

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B01 Symmetry:
 Span Length: Span 1 Span 2 Span 3 Span 4 Span 5
 38.833 0.000 0.000 0.000 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	38.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	1.917	235.5	235.5	35.000	0.0
1	P	5.417	0.0	0.0	0.000	7.6
1	P	12.417	0.0	0.0	0.000	6.2
1	P	19.417	0.0	0.0	0.000	6.9
1	P	26.417	0.0	0.0	0.000	6.9
1	P	33.420	0.0	0.0	0.000	7.6

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B01

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend		-Bend	
							Top	Bott.	Top	Bott.
.										
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
1.474 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B01

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B02 Symmetry:
 Span Length: Span 1 38.833 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	15.000	1	0		0.0	0.0
1	2	3.000	2	0		0.0	0.0
1	3	20.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	121.2	121.2	33.330	0.0
1	P	5.417	0.0	0.0	0.000	21.6
1	P	12.417	0.0	0.0	0.000	17.5
1	P	19.417	0.0	0.0	0.000	19.5
1	P	26.417	0.0	0.0	0.000	19.5
1	P	33.420	0.0	0.0	0.000	21.6

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B02

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus				
			Top	Bott.			+Bend		-Bend		
							Top	Bott.	Top	Bott.	
.											
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
1.474 7	239.31	239.31	1.91	34.79	56774.6	19812.3	29663.6	1632.1	1093.0	1066.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B02

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
1.474	137.37	137.37	8.71	27.99	40926.4	19812.3	4697.3	1462.3	1093.0	1066.7
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B03 Symmetry:
 Span Length: Span 1 38.833 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	15.000	1	0		0.0	0.0
1	2	3.000	2	0		0.0	0.0
1	3	20.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	131.7	131.7	33.330	0.0
1	P	5.417	0.0	0.0	0.000	18.6
1	P	12.417	0.0	0.0	0.000	15.0
1	P	19.417	0.0	0.0	0.000	16.8
1	P	26.417	0.0	0.0	0.000	16.8
1	P	33.420	0.0	0.0	0.000	18.6

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B03

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus				
			Top	Bott.			+Bend		-Bend		
							Top	Bott.	Top	Bott.	
.											
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
1.474 8	233.51	233.51	1.49	35.01	53677.7	18428.4	35966.1	1533.3	1019.9	999.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B03

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	131.57	131.57	8.26	28.24	38915.8	18428.4	4709.3	1378.2	1019.9	999.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B04 Symmetry:
 Span Length: Span 1 Span 2 Span 3 Span 4 Span 5
 38.833 0.000 0.000 0.000 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	38.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	131.7	131.7	33.330	0.0
1	P	5.417	0.0	0.0	0.000	19.3
1	P	12.417	0.0	0.0	0.000	15.6
1	P	19.417	0.0	0.0	0.000	17.5
1	P	26.417	0.0	0.0	0.000	17.5
1	P	33.420	0.0	0.0	0.000	19.3

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B04

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend		-Bend	
							Top	Bott.	Top	Bott.
.										
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
1.474 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B04

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B05 Symmetry:
 Span Length: Span 1 38.833 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	15.000	1	0		0.0	0.0
1	2	3.000	2	0		0.0	0.0
1	3	20.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	131.7	131.7	33.330	0.0
1	P	5.417	0.0	0.0	0.000	19.1
1	P	12.417	0.0	0.0	0.000	15.5
1	P	19.417	0.0	0.0	0.000	17.3
1	P	26.417	0.0	0.0	0.000	17.3
1	P	33.420	0.0	0.0	0.000	19.1

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B05

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	132.07	132.07	8.47	28.03	39508.3	18538.9	4665.6	1409.4	1010.8	1020.9
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B06 Symmetry:
 Span Length: Span 1 38.833 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	15.000	1	0		0.0	0.0
1	2	3.000	2	0		0.0	0.0
1	3	20.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	131.7	131.7	33.330	0.0
1	P	5.417	0.0	0.0	0.000	19.2
1	P	12.417	0.0	0.0	0.000	15.5
1	P	19.417	0.0	0.0	0.000	17.4
1	P	26.417	0.0	0.0	0.000	17.4
1	P	33.420	0.0	0.0	0.000	19.2

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B06

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend		-Bend	
							Top	Bott.	Top	Bott.
.										
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
1.474 2	233.71	233.71	1.61	34.89	54649.2	18490.7	33868.0	1566.5	1005.3	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B06

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	131.77	131.77	8.47	28.03	39507.3	18490.7	4663.3	1409.6	1005.3	1021.2
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B07 Symmetry:
 Span Length: Span 1 38.833 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	15.000	1	0		0.0	0.0
1	2	3.000	2	0		0.0	0.0
1	3	20.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	131.7	131.7	33.330	0.0
1	P	5.417	0.0	0.0	0.000	19.1
1	P	12.417	0.0	0.0	0.000	15.5
1	P	19.417	0.0	0.0	0.000	17.3
1	P	26.417	0.0	0.0	0.000	17.3
1	P	33.420	0.0	0.0	0.000	19.1

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B07

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend		-Bend	
							Top	Bott.	Top	Bott.
.										
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
1.474 6	233.41	233.41	1.61	34.89	54633.2	18471.1	34037.9	1565.7	1002.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B07

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	131.47	131.47	8.47	28.03	39506.9	18471.1	4664.4	1409.4	1002.8	1021.6
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B08 Symmetry:
 Span Length: Span 1 38.833 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	15.000	1	0		0.0	0.0
1	2	3.000	2	0		0.0	0.0
1	3	20.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	131.7	131.7	33.330	0.0
1	P	5.417	0.0	0.0	0.000	19.3
1	P	12.417	0.0	0.0	0.000	15.6
1	P	19.417	0.0	0.0	0.000	17.5
1	P	26.417	0.0	0.0	0.000	17.5
1	P	33.420	0.0	0.0	0.000	19.3

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B08

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus				
			Top	Bott.			+Bend		-Bend		
							Top	Bott.	Top	Bott.	
.											
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
1.474 6	233.41	233.41	1.61	34.89	54633.2	18471.1	34037.9	1565.7	1002.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.	
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.	

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B08

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	131.47	131.47	8.47	28.03	39506.9	18471.1	4664.4	1409.4	1002.8	1021.6
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B09 Symmetry:
 Span Length: Span 1 Span 2 Span 3 Span 4 Span 5
 38.833 0.000 0.000 0.000 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	15.000	1	0		0.0	0.0
1	2	3.000	2	0		0.0	0.0
1	3	20.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	131.7	131.7	33.330	0.0
1	P	5.417	0.0	0.0	0.000	18.6
1	P	12.417	0.0	0.0	0.000	15.0
1	P	19.417	0.0	0.0	0.000	16.8
1	P	26.417	0.0	0.0	0.000	16.8
1	P	33.420	0.0	0.0	0.000	18.6

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B09

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend		-Bend	
							Top	Bott.	Top	Bott.
.										
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
1.474 3	232.81	232.81	1.38	35.12	52758.9	18159.9	38180.4	1502.3	1014.5	976.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B09

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	130.87	130.87	8.11	28.39	38311.2	18159.9	4726.8	1349.2	1014.5	976.3
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B10 Symmetry:
 Span Length: Span 1 38.833 Span 2 0.000 Span 3 0.000 Span 4 0.000 Span 5 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	38.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	121.2	121.2	33.330	0.0
1	P	5.417	0.0	0.0	0.000	21.6
1	P	12.417	0.0	0.0	0.000	17.5
1	P	19.417	0.0	0.0	0.000	19.5
1	P	26.417	0.0	0.0	0.000	19.5
1	P	33.420	0.0	0.0	0.000	21.6

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B10

Span	Section Gross	Area Net	Neutral Axis Top Bott.		Moment +Bend	of Inertia -Bend	Section Modulus				
							+Bend		-Bend		
							Top	Bott.	Top	Bott.	
.											
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
1.474 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 3	240.51	240.51	2.08	34.62	58044.4	20135.6	27965.5	1676.4	1097.3	1097.	
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	
-1.000 4	240.51	240.51	2.08	34.62	58044.4	26405.9	27965.5	1676.4	1704.1	1245.	

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B10

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
1.474	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	20135.6	4669.5	1502.7	1097.3	1097.3
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4
-1.000	138.57	138.57	8.93	27.77	41722.0	26405.9	4669.5	1502.7	1704.1	1245.4

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 25.00

Comments:

Member I. D. B11 Symmetry:
 Span Length: Span 1 Span 2 Span 3 Span 4 Span 5
 38.833 0.000 0.000 0.000 0.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	38.833	1	0		0.0	0.0

Range Length -- Composite:

Span No.	Range No.	Range Length	Composite Code
1	1	38.833	C

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	1.917	235.5	235.5	35.000	0.0
1	P	5.417	0.0	0.0	0.000	7.6
1	P	12.417	0.0	0.0	0.000	6.2
1	P	19.417	0.0	0.0	0.000	6.9
1	P	26.417	0.0	0.0	0.000	6.9
1	P	33.420	0.0	0.0	0.000	7.6

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION STRENGTH (N=N) (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B11

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend		-Bend	
							Top	Bott.	Top	Bott.
.										
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
1.474 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 8	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.000 5	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.

SECTION STRENGTH (N=3N) (ASD/LFD)

Structure I. D. HAM500

Member I. D. B11

Span	Section Area		Neutral Axis		Moment of Inertia		Section Modulus			
	Gross	Net	Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
1.474	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	18647.9	4677.3	1408.9	1021.8	1021.8
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5
-1.000	132.57	132.57	8.45	28.05	39520.9	24816.4	4677.3	1408.9	1630.1	1166.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction SS
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 10

Live Load Distribution Factor 1.143

Second Live Load Dist. Factor 1.143

Comments:

Member I. D.	S01					Symmetry:
Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5	
	25.000	25.000	25.000	25.000	25.000	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	25.000	25.000	25.000	25.000	25.000	

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	25.000	1	0		0.0	0.0
2	1	25.000	2	0		0.0	0.0
3	1	25.000	2	0		0.0	0.0
4	1	25.000	2	0		0.0	0.0
5	1	25.000	2	0		0.0	0.0
6	1	25.000	2	0		0.0	0.0
7	1	25.000	2	0		0.0	0.0
8	1	25.000	2	0		0.0	0.0
9	1	25.000	2	0		0.0	0.0
10	1	25.000	1	0		0.0	0.0

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	0.000	765.0	765.0	25.000	0.0
1	P	12.500	0.0	0.0	0.000	0.1
2	W	0.000	765.0	765.0	25.000	0.0
2	P	12.500	0.0	0.0	0.000	0.1
3	W	0.000	765.0	765.0	25.000	0.0
3	P	12.500	0.0	0.0	0.000	0.1
4	W	0.000	765.0	765.0	25.000	0.0
4	P	12.500	0.0	0.0	0.000	0.1
5	W	0.000	765.0	765.0	25.000	0.0
5	P	12.500	0.0	0.0	0.000	0.1
6	W	0.000	765.0	765.0	25.000	0.0
6	P	12.500	0.0	0.0	0.000	0.1
7	W	0.000	765.0	765.0	25.000	0.0
7	P	12.500	0.0	0.0	0.000	0.1
8	W	0.000	765.0	765.0	25.000	0.0
8	P	12.500	0.0	0.0	0.000	0.1

9	W	0.000	765.0	765.0	25.000	0.0
9	P	12.500	0.0	0.0	0.000	0.1
10	W	0.000	765.0	765.0	25.000	0.0
10	P	12.500	0.0	0.0	0.000	0.1

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.						
S01						
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
1.000	21.24	19.76	0.46	0.0	0.0	33.
1.100	21.24	19.76	0.46	0.0	0.0	33.
1.200	21.24	19.76	0.46	0.0	0.0	33.
1.300	21.24	19.76	0.46	0.0	0.0	33.
1.400	21.24	19.76	0.46	0.0	0.0	33.
1.500	21.24	19.76	0.46	0.0	0.0	33.
1.600	21.24	19.76	0.46	0.0	0.0	33.
1.700	21.24	19.76	0.46	0.0	0.0	33.
1.800	21.24	19.76	0.46	0.0	0.0	33.
1.900	21.24	19.76	0.46	0.0	0.0	33.
2.000	21.24	19.76	0.46	0.0	0.0	33.
2.000	20.99	19.76	0.40	0.0	0.0	33.
2.100	20.99	19.76	0.40	0.0	0.0	33.
2.200	20.99	19.76	0.40	0.0	0.0	33.
2.300	20.99	19.76	0.40	0.0	0.0	33.
2.400	20.99	19.76	0.40	0.0	0.0	33.
2.500	20.99	19.76	0.40	0.0	0.0	33.
2.600	20.99	19.76	0.40	0.0	0.0	33.
2.700	20.99	19.76	0.40	0.0	0.0	33.
2.800	20.99	19.76	0.40	0.0	0.0	33.
2.900	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.100	20.99	19.76	0.40	0.0	0.0	33.
3.200	20.99	19.76	0.40	0.0	0.0	33.
3.300	20.99	19.76	0.40	0.0	0.0	33.
3.400	20.99	19.76	0.40	0.0	0.0	33.
3.500	20.99	19.76	0.40	0.0	0.0	33.
3.600	20.99	19.76	0.40	0.0	0.0	33.
3.700	20.99	19.76	0.40	0.0	0.0	33.
3.800	20.99	19.76	0.40	0.0	0.0	33.
3.900	20.99	19.76	0.40	0.0	0.0	33.
4.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.						
S01						
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
4.000	20.99	19.76	0.40	0.0	0.0	33.
4.100	20.99	19.76	0.40	0.0	0.0	33.
4.200	20.99	19.76	0.40	0.0	0.0	33.
4.300	20.99	19.76	0.40	0.0	0.0	33.
4.400	20.99	19.76	0.40	0.0	0.0	33.
4.500	20.99	19.76	0.40	0.0	0.0	33.
4.600	20.99	19.76	0.40	0.0	0.0	33.
4.700	20.99	19.76	0.40	0.0	0.0	33.
4.800	20.99	19.76	0.40	0.0	0.0	33.
4.900	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.100	20.99	19.76	0.40	0.0	0.0	33.
5.200	20.99	19.76	0.40	0.0	0.0	33.
5.300	20.99	19.76	0.40	0.0	0.0	33.
5.400	20.99	19.76	0.40	0.0	0.0	33.
5.500	20.99	19.76	0.40	0.0	0.0	33.
5.600	20.99	19.76	0.40	0.0	0.0	33.
5.700	20.99	19.76	0.40	0.0	0.0	33.
5.800	20.99	19.76	0.40	0.0	0.0	33.
5.900	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.100	20.99	19.76	0.40	0.0	0.0	33.
6.200	20.99	19.76	0.40	0.0	0.0	33.
6.300	20.99	19.76	0.40	0.0	0.0	33.
6.400	20.99	19.76	0.40	0.0	0.0	33.
6.500	20.99	19.76	0.40	0.0	0.0	33.
6.600	20.99	19.76	0.40	0.0	0.0	33.
6.700	20.99	19.76	0.40	0.0	0.0	33.
6.800	20.99	19.76	0.40	0.0	0.0	33.
6.900	20.99	19.76	0.40	0.0	0.0	33.
7.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.		S01				
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
7.000	20.99	19.76	0.40	0.0	0.0	33.
7.100	20.99	19.76	0.40	0.0	0.0	33.
7.200	20.99	19.76	0.40	0.0	0.0	33.
7.300	20.99	19.76	0.40	0.0	0.0	33.
7.400	20.99	19.76	0.40	0.0	0.0	33.
7.500	20.99	19.76	0.40	0.0	0.0	33.
7.600	20.99	19.76	0.40	0.0	0.0	33.
7.700	20.99	19.76	0.40	0.0	0.0	33.
7.800	20.99	19.76	0.40	0.0	0.0	33.
7.900	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.100	20.99	19.76	0.40	0.0	0.0	33.
8.200	20.99	19.76	0.40	0.0	0.0	33.
8.300	20.99	19.76	0.40	0.0	0.0	33.
8.400	20.99	19.76	0.40	0.0	0.0	33.
8.500	20.99	19.76	0.40	0.0	0.0	33.
8.600	20.99	19.76	0.40	0.0	0.0	33.
8.700	20.99	19.76	0.40	0.0	0.0	33.
8.800	20.99	19.76	0.40	0.0	0.0	33.
8.900	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.100	20.99	19.76	0.40	0.0	0.0	33.
9.200	20.99	19.76	0.40	0.0	0.0	33.
9.300	20.99	19.76	0.40	0.0	0.0	33.
9.400	20.99	19.76	0.40	0.0	0.0	33.
9.500	20.99	19.76	0.40	0.0	0.0	33.
9.600	20.99	19.76	0.40	0.0	0.0	33.
9.700	20.99	19.76	0.40	0.0	0.0	33.
9.800	20.99	19.76	0.40	0.0	0.0	33.
9.900	20.99	19.76	0.40	0.0	0.0	33.
10.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S01

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
10.000	21.24	19.76	0.46	0.0	0.0	33.
10.100	21.24	19.76	0.46	0.0	0.0	33.
10.200	21.24	19.76	0.46	0.0	0.0	33.
10.300	21.24	19.76	0.46	0.0	0.0	33.
10.400	21.24	19.76	0.46	0.0	0.0	33.
10.500	21.24	19.76	0.46	0.0	0.0	33.
10.600	21.24	19.76	0.46	0.0	0.0	33.
10.700	21.24	19.76	0.46	0.0	0.0	33.
10.800	21.24	19.76	0.46	0.0	0.0	33.
10.900	21.24	19.76	0.46	0.0	0.0	33.
11.000	21.24	19.76	0.46	0.0	0.0	33.

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S01

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
1.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S01

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S01

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
10.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S01

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
					Top	Bott.	Top	Bott.	Top	Bott.
10.000	21.50	21.50	10.60	10.60	1600.0	1600.0	127.0	127.0	127.0	127.0
10.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
11.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.7	66.91 L	41.79	51.47	32.15
1.200	2.8	28.5	108.85 L	71.41	83.73	54.93
1.300	3.5	35.6	128.35 L	91.13	98.73	70.10
1.400	3.7	38.0	128.61 L	99.47	98.93	76.51
1.500	3.5	35.5	121.30 L	99.09	93.31	76.22
1.600	2.8	28.1	115.16 L	88.90	88.59	68.38
1.700	1.7	15.9	99.53 L	71.95	76.56	55.35
1.800	0.1	-1.1	63.96 L	47.55	49.20	36.58
1.900	-2.0	-22.8	-62.02 L	-57.83	-47.71	-44.49
2.000	-4.5	-49.4	-103.95 L	-95.85	-79.96	-73.73
2.000	-4.5	-49.4	-103.95 L	-95.84	-79.96	-73.73
2.100	-2.6	-26.5	-67.93 R	-58.59	-52.25	-45.07
2.200	-1.0	-8.5	58.49 R	40.87	45.00	31.44
2.300	0.1	4.8	85.73 R	61.84	65.95	47.57
2.400	0.8	13.3	96.49 R	74.80	74.22	57.54
2.500	1.2	17.0	94.36 L	80.36	72.58	61.82
2.600	1.1	15.7	96.30 L	76.22	74.08	58.63
2.700	0.7	9.7	86.17 L	64.63	66.29	49.71
2.800	-0.1	-1.1	59.46 L	45.30	45.74	34.84
2.900	-1.3	-16.7	-59.00 L	-53.33	-45.39	-41.03
3.000	-2.9	-37.0	-98.43 L	-89.21	-75.72	-68.63
3.000	-2.9	-37.0	-98.43 L	-89.21	-75.72	-68.63
3.100	-1.2	-15.8	-58.69 R	-52.89	-45.15	-40.68
3.200	0.1	0.7	59.37 R	44.98	45.67	34.60
3.300	1.0	12.4	86.43 R	65.39	66.48	50.30
3.400	1.6	19.3	96.97 R	77.63	74.59	59.72
3.500	1.7	21.5	94.67 R	82.45	72.82	63.42
3.600	1.5	18.7	97.00 L	77.56	74.62	59.66
3.700	0.9	11.1	86.47 L	65.25	66.52	50.19
3.800	-0.1	-1.3	59.43 L	45.25	45.72	34.81
3.900	-1.5	-18.4	-58.98 L	-54.10	-45.37	-41.62
4.000	-3.3	-40.3	-98.55 L	-90.65	-75.80	-69.73

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-40.3	-98.55 L	-90.65	-75.80	-69.73
4.100	-1.6	-18.7	-58.96 R	-54.15	-45.35	-41.66
4.200	-0.2	-1.8	59.43 R	44.49	45.71	34.23
4.300	0.8	10.4	86.47 R	65.00	66.52	50.00
4.400	1.4	17.7	97.00 R	77.32	74.62	59.48
4.500	1.6	20.3	94.68 R	82.22	72.83	63.25
4.600	1.4	17.9	97.01 L	77.41	74.62	59.55
4.700	0.8	10.7	86.48 L	65.18	66.52	50.14
4.800	-0.1	-1.2	59.43 L	45.27	45.72	34.83
4.900	-1.5	-17.9	-58.98 L	-54.00	-45.37	-41.54
5.000	-3.2	-39.4	-98.55 L	-90.47	-75.81	-69.59
5.000	-3.2	-39.4	-98.55 L	-90.47	-75.81	-69.59
5.100	-1.5	-17.9	-58.98 R	-54.00	-45.37	-41.54
5.200	-0.1	-1.1	59.43 R	44.77	45.72	34.44
5.300	0.9	10.9	86.48 R	65.23	66.52	50.17
5.400	1.4	18.1	97.01 R	77.50	74.62	59.62
5.500	1.6	20.6	94.68 L	82.35	72.83	63.34
5.600	1.4	18.1	97.01 L	77.49	74.62	59.61
5.700	0.8	10.8	86.48 L	65.20	66.52	50.15
5.800	-0.1	-1.3	59.43 L	45.25	45.72	34.81
5.900	-1.5	-18.1	-58.98 L	-54.07	-45.37	-41.59
6.000	-3.3	-39.7	-98.55 R	-90.58	-75.81	-69.68
6.000	-3.3	-39.7	-98.55 R	-90.58	-75.81	-69.68
6.100	-1.5	-18.1	-58.98 R	-54.09	-45.37	-41.61
6.200	-0.1	-1.3	59.43 R	44.74	45.72	34.41
6.300	0.8	10.8	86.48 R	65.20	66.52	50.15
6.400	1.4	18.1	97.01 R	77.49	74.62	59.61
6.500	1.6	20.6	94.68 L	82.35	72.83	63.34
6.600	1.4	18.1	97.01 L	77.50	74.62	59.62
6.700	0.9	10.9	86.48 L	65.23	66.52	50.17
6.800	-0.1	-1.1	59.43 L	45.29	45.72	34.84
6.900	-1.5	-17.9	-58.98 L	-53.97	-45.37	-41.52
7.000	-3.2	-39.4	-98.55 L	-90.47	-75.81	-69.59

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-39.4	-98.55 L	-90.47	-75.81	-69.59
7.100	-1.5	-17.9	-58.98 R	-54.03	-45.37	-41.56
7.200	-0.1	-1.2	59.43 R	44.76	45.72	34.43
7.300	0.8	10.7	86.48 R	65.18	66.52	50.14
7.400	1.4	17.9	97.01 R	77.41	74.62	59.55
7.500	1.6	20.3	94.68 L	82.22	72.83	63.25
7.600	1.4	17.7	97.00 L	77.32	74.62	59.48
7.700	0.8	10.4	86.47 L	65.00	66.52	50.00
7.800	-0.2	-1.8	59.43 L	45.01	45.71	34.62
7.900	-1.6	-18.7	-58.96 L	-54.13	-45.35	-41.64
8.000	-3.3	-40.3	-98.55 R	-90.65	-75.80	-69.73
8.000	-3.3	-40.3	-98.55 R	-90.65	-75.80	-69.73
8.100	-1.5	-18.4	-58.98 R	-54.13	-45.37	-41.64
8.200	-0.1	-1.3	59.43 R	44.74	45.72	34.41
8.300	0.9	11.1	86.47 R	65.25	66.52	50.19
8.400	1.5	18.7	97.01 R	77.56	74.62	59.66
8.500	1.7	21.5	94.67 L	82.45	72.82	63.42
8.600	1.6	19.3	96.97 L	77.63	74.59	59.72
8.700	1.0	12.4	86.43 L	65.39	66.48	50.30
8.800	0.1	0.7	59.36 L	45.49	45.67	34.99
8.900	-1.2	-15.8	-58.69 L	-52.86	-45.15	-40.66
9.000	-2.9	-37.0	-98.43 R	-89.21	-75.72	-68.63
9.000	-2.9	-37.0	-98.43 R	-89.21	-75.72	-68.63
9.100	-1.3	-16.7	-59.00 R	-53.36	-45.39	-41.05
9.200	-0.1	-1.1	59.46 R	44.78	45.74	34.45
9.300	0.7	9.7	86.17 R	64.63	66.29	49.71
9.400	1.1	15.7	96.30 R	76.22	74.08	58.63
9.500	1.2	17.0	94.36 R	80.36	72.58	61.82
9.600	0.8	13.3	96.49 L	74.80	74.22	57.54
9.700	0.1	4.8	85.73 L	61.84	65.95	47.57
9.800	-1.0	-8.5	58.49 L	41.39	45.00	31.84
9.900	-2.6	-26.5	-67.93 L	-58.56	-52.25	-45.05
10.000	-4.5	-49.4	-103.30 R	-95.85	-79.46	-73.73

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-49.4	-103.30 R	-95.85	-79.46	-73.73
10.100	-2.0	-22.8	-62.02 R	-57.85	-47.71	-44.50
10.200	0.1	-1.1	63.97 R	47.55	49.20	36.58
10.300	1.7	15.9	99.53 R	71.95	76.56	55.35
10.400	2.8	28.1	115.16 R	88.90	88.59	68.38
10.500	3.5	35.5	121.30 R	99.09	93.31	76.22
10.600	3.7	38.0	128.61 R	99.47	98.93	76.52
10.700	3.5	35.6	128.35 R	91.13	98.73	70.10
10.800	2.8	28.5	108.85 R	71.41	83.73	54.93
10.900	1.6	16.7	66.91 R	41.79	51.47	32.15
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 8	1.000	215.8C	191.7	-191.7	-215.8C	215.8	191.7	-191.7	-215.
8	1.100	215.8C	191.7	-191.7	-215.8C	204.8	180.7	-202.6	-226.
6	1.200	215.8C	191.7	-191.7	-215.8C	197.0	172.9	-210.4	-234.
3	1.300	215.8C	191.7	-191.7	-215.8C	192.4	168.2	-215.1	-239.
8	1.400	215.8C	191.7	-191.7	-215.8C	190.8	166.7	-216.6	-240.
2	1.500	215.8C	191.7	-191.7	-215.8C	192.4	168.3	-215.0	-239.
4	1.600	215.8C	191.7	-191.7	-215.8C	197.3	173.1	-210.2	-234.
4	1.700	215.8C	191.7	-191.7	-215.8C	205.3	181.1	-202.2	-226.
2	1.800	215.8C	191.7	-191.7	-215.8C	216.4	192.2	-191.1	-215.
9	1.900	215.8C	191.7	-191.7	-215.8C	230.7	206.5	-176.8	-200.
5	2.000	215.8C	191.7	-191.7	-215.8C	248.1	223.9	-159.4	-183.
1	2.000	180.4C	161.2	-161.2	-180.4C	212.7	193.5	-128.9	-148.
9	2.100	180.4C	161.2	-161.2	-180.4C	197.8	178.6	-143.7	-162.
7	2.200	180.4C	161.2	-161.2	-180.4C	186.1	166.9	-155.5	-174.
3	2.300	180.4C	161.2	-161.2	-180.4C	177.5	158.3	-164.1	-183.
8	2.400	180.4C	161.2	-161.2	-180.4C	171.9	152.7	-169.6	-188.
3	2.500	180.4C	161.2	-161.2	-180.4C	169.5	150.3	-172.1	-191.
5	2.600	180.4C	161.2	-161.2	-180.4C	170.3	151.1	-171.3	-190.
6	2.700	180.4C	161.2	-161.2	-180.4C	174.1	154.9	-167.4	-186.
7	2.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
6	2.900	180.4C	161.2	-161.2	-180.4C	191.2	172.0	-150.4	-169.

4	3.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.2	-156.
4	3.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.2	-156.
2	3.100	180.4C	161.2	-161.2	-180.4C	190.6	171.4	-151.0	-170.
9	3.200	180.4C	161.2	-161.2	-180.4C	179.9	160.7	-161.7	-180.
5	3.300	180.4C	161.2	-161.2	-180.4C	172.3	153.1	-169.3	-188.
9	3.400	180.4C	161.2	-161.2	-180.4C	167.8	148.6	-173.7	-192.
3	3.500	180.4C	161.2	-161.2	-180.4C	166.5	147.3	-175.1	-194.
5	3.600	180.4C	161.2	-161.2	-180.4C	168.3	149.1	-173.3	-192.
6	3.700	180.4C	161.2	-161.2	-180.4C	173.2	154.0	-168.4	-187.
5	3.800	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.3	-179.
4	3.900	180.4C	161.2	-161.2	-180.4C	192.4	173.2	-149.2	-168.
2	4.000	180.4C	161.2	-161.2	-180.4C	206.6	187.4	-135.0	-154.

6	6.000	180.4C	161.2	-161.2	-180.4C	206.2	187.0	-135.4	-154.
6	6.000	180.4C	161.2	-161.2	-180.4C	206.2	187.0	-135.4	-154.
6	6.100	180.4C	161.2	-161.2	-180.4C	192.2	173.0	-149.4	-168.
5	6.200	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.3	-179.
4	6.300	180.4C	161.2	-161.2	-180.4C	173.4	154.2	-168.2	-187.
1	6.400	180.4C	161.2	-161.2	-180.4C	168.7	149.5	-172.9	-192.
7	6.500	180.4C	161.2	-161.2	-180.4C	167.1	147.9	-174.5	-193.
1	6.600	180.4C	161.2	-161.2	-180.4C	168.6	149.5	-172.9	-192.
4	6.700	180.4C	161.2	-161.2	-180.4C	173.3	154.1	-168.2	-187.
7	6.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
8	6.900	180.4C	161.2	-161.2	-180.4C	192.0	172.8	-149.6	-168.
8	7.000	180.4C	161.2	-161.2	-180.4C	206.0	186.8	-135.6	-154.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	180.4C	161.2	-161.2	-180.4C	206.0	186.8	-135.6	-154.
7.100	180.4C	161.2	-161.2	-180.4C	192.0	172.8	-149.5	-168.
7.200	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.4	-179.
7.300	180.4C	161.2	-161.2	-180.4C	173.4	154.3	-168.1	-187.
7.400	180.4C	161.2	-161.2	-180.4C	168.8	149.6	-172.8	-192.
7.500	180.4C	161.2	-161.2	-180.4C	167.3	148.1	-174.3	-193.
7.600	180.4C	161.2	-161.2	-180.4C	168.9	149.7	-172.6	-191.
7.700	180.4C	161.2	-161.2	-180.4C	173.7	154.5	-167.9	-187.
7.800	180.4C	161.2	-161.2	-180.4C	181.6	162.4	-160.0	-179.
7.900	180.4C	161.2	-161.2	-180.4C	192.5	173.3	-149.1	-168.
8.000	180.4C	161.2	-161.2	-180.4C	206.6	187.4	-135.0	-154.
8.000	180.4C	161.2	-161.2	-180.4C	206.6	187.4	-135.0	-154.
8.100	180.4C	161.2	-161.2	-180.4C	192.4	173.2	-149.2	-168.
8.200	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.3	-179.
8.300	180.4C	161.2	-161.2	-180.4C	173.2	154.0	-168.4	-187.
8.400	180.4C	161.2	-161.2	-180.4C	168.3	149.1	-173.3	-192.
8.500	180.4C	161.2	-161.2	-180.4C	166.5	147.3	-175.1	-194.
8.600	180.4C	161.2	-161.2	-180.4C	167.8	148.6	-173.7	-192.
8.700	180.4C	161.2	-161.2	-180.4C	172.3	153.1	-169.3	-188.
8.800	180.4C	161.2	-161.2	-180.4C	179.9	160.7	-161.7	-180.
8.900	180.4C	161.2	-161.2	-180.4C	190.6	171.4	-151.0	-170.

4	9.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.2	-156.
4	9.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.2	-156.
6	9.100	180.4C	161.2	-161.2	-180.4C	191.2	172.0	-150.4	-169.
7	9.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
6	9.300	180.4C	161.2	-161.2	-180.4C	174.1	154.9	-167.4	-186.
5	9.400	180.4C	161.2	-161.2	-180.4C	170.3	151.1	-171.3	-190.
3	9.500	180.4C	161.2	-161.2	-180.4C	169.5	150.3	-172.1	-191.
8	9.600	180.4C	161.2	-161.2	-180.4C	171.9	152.7	-169.6	-188.
3	9.700	180.4C	161.2	-161.2	-180.4C	177.5	158.3	-164.1	-183.
7	9.800	180.4C	161.2	-161.2	-180.4C	186.1	166.9	-155.5	-174.
9	9.900	180.4C	161.2	-161.2	-180.4C	197.8	178.6	-143.7	-162.
1	10.000	180.4C	161.2	-161.2	-180.4C	212.7	193.5	-128.9	-148.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	3.06	32.39	2.70	36.26	HS 54.01	97.2
1.200	1.81	16.82	1.59	18.75	HS 31.76	57.2
1.300	1.50	11.46	1.31	12.75	HS 26.21	47.2
1.400	1.48	8.66	1.30	9.62	HS 25.92	46.6
1.500	1.59	6.88	1.39	7.65	HS 27.74	49.9
1.600	1.71	5.60	1.50	6.24	HS 30.06	54.1
1.700	2.06	4.62	1.82	5.17	HS 36.39	65.5
1.800	3.38	3.82	3.01	4.30	HS 60.11	108.2
1.900	9.77	2.85	8.75	3.24	HS 57.01	102.6
2.000	14.80	1.53	13.36	1.76	HS 30.66	55.2
2.000	12.69	1.24	11.54	1.42	HS 24.80	44.6
2.100	9.20	2.12	8.31	2.40	HS 42.32	76.2
2.200	3.18	2.79	2.85	3.14	HS 55.86	100.6
2.300	2.07	3.55	1.85	3.97	HS 36.92	66.5
2.400	1.78	4.62	1.58	5.14	HS 31.66	57.0
2.500	1.80	6.30	1.59	7.01	HS 31.86	57.3
2.600	1.77	5.69	1.57	6.32	HS 31.38	56.5
2.700	2.02	4.41	1.80	4.92	HS 35.96	64.7
2.800	3.05	3.51	2.72	3.93	HS 54.46	98.0
2.900	7.51	2.55	6.76	2.87	HS 50.98	91.8
3.000	10.23	1.39	9.27	1.59	HS 27.88	50.2
3.000	10.23	1.39	9.27	1.59	HS 27.88	50.2
3.100	7.34	2.57	6.60	2.90	HS 51.46	92.6
3.200	3.03	3.57	2.71	3.99	HS 54.14	97.5
3.300	1.99	4.50	1.77	5.01	HS 35.43	63.8
3.400	1.73	5.81	1.53	6.45	HS 30.66	55.2
3.500	1.76	7.81	1.56	8.66	HS 31.11	56.0
3.600	1.74	5.74	1.54	6.37	HS 30.74	55.3
3.700	2.00	4.43	1.78	4.94	HS 35.62	64.1
3.800	3.05	3.51	2.73	3.92	HS 54.53	98.2
3.900	7.67	2.53	6.91	2.86	HS 50.60	91.1
4.000	12.58	1.37	11.41	1.56	HS 27.39	49.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	12.58	1.37	11.41	1.56	HS 27.39	49.3
4.100	7.59	2.53	6.83	2.85	HS 50.56	91.0
4.200	3.06	3.50	2.73	3.92	HS 54.64	98.4
4.300	2.01	4.42	1.79	4.93	HS 35.73	64.3
4.400	1.74	5.72	1.54	6.35	HS 30.87	55.6
4.500	1.77	7.65	1.56	8.49	HS 31.28	56.3
4.600	1.74	5.72	1.54	6.36	HS 30.85	55.5
4.700	2.01	4.43	1.78	4.93	HS 35.68	64.2
4.800	3.05	3.51	2.73	3.92	HS 54.52	98.1
4.900	7.60	2.54	6.84	2.86	HS 50.71	91.3
5.000	12.34	1.38	11.19	1.57	HS 27.52	49.5
5.000	12.34	1.38	11.19	1.57	HS 27.52	49.5
5.100	7.47	2.54	6.72	2.86	HS 50.72	91.3
5.200	3.05	3.51	2.72	3.93	HS 54.49	98.1
5.300	2.00	4.43	1.78	4.93	HS 35.65	64.2
5.400	1.74	5.72	1.54	6.36	HS 30.81	55.5
5.500	1.76	7.68	1.56	8.52	HS 31.24	56.2
5.600	1.74	5.72	1.54	6.36	HS 30.82	55.5
5.700	2.01	4.43	1.78	4.93	HS 35.67	64.2
5.800	3.05	3.51	2.73	3.92	HS 54.53	98.2
5.900	7.62	2.53	6.86	2.86	HS 50.67	91.2
6.000	12.41	1.37	11.25	1.57	HS 27.47	49.5
6.000	12.41	1.37	11.25	1.57	HS 27.47	49.5
6.100	7.49	2.53	6.74	2.86	HS 50.67	91.2
6.200	3.05	3.51	2.73	3.92	HS 54.53	98.2
6.300	2.01	4.43	1.78	4.93	HS 35.67	64.2
6.400	1.74	5.72	1.54	6.36	HS 30.82	55.5
6.500	1.76	7.68	1.56	8.52	HS 31.24	56.2
6.600	1.74	5.72	1.54	6.36	HS 30.81	55.5
6.700	2.00	4.43	1.78	4.93	HS 35.65	64.2
6.800	3.05	3.51	2.72	3.93	HS 54.49	98.1
6.900	7.60	2.54	6.84	2.86	HS 50.72	91.3
7.000	12.34	1.38	11.19	1.57	HS 27.52	49.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
7.000	12.34	1.38	11.19	1.57	HS 27.52 49.5
7.100	7.47	2.54	6.73	2.86	HS 50.71 91.3
7.200	3.05	3.51	2.73	3.92	HS 54.52 98.1
7.300	2.01	4.43	1.78	4.93	HS 35.68 64.2
7.400	1.74	5.72	1.54	6.36	HS 30.85 55.5
7.500	1.77	7.65	1.56	8.49	HS 31.28 56.3
7.600	1.74	5.72	1.54	6.35	HS 30.87 55.6
7.700	2.01	4.42	1.79	4.93	HS 35.73 64.3
7.800	3.06	3.50	2.73	3.92	HS 54.64 98.4
7.900	7.72	2.53	6.95	2.85	HS 50.56 91.0
8.000	12.58	1.37	11.41	1.56	HS 27.39 49.3
8.000	12.58	1.37	11.41	1.56	HS 27.39 49.3
8.100	7.54	2.53	6.79	2.86	HS 50.60 91.1
8.200	3.05	3.51	2.73	3.92	HS 54.53 98.2
8.300	2.00	4.43	1.78	4.94	HS 35.62 64.1
8.400	1.74	5.74	1.54	6.37	HS 30.74 55.3
8.500	1.76	7.81	1.56	8.66	HS 31.11 56.0
8.600	1.73	5.81	1.53	6.45	HS 30.66 55.2
8.700	1.99	4.50	1.77	5.01	HS 35.43 63.8
8.800	3.03	3.57	2.71	3.99	HS 54.14 97.5
8.900	7.46	2.57	6.71	2.90	HS 51.46 92.6
9.000	10.23	1.39	9.27	1.59	HS 27.88 50.2
9.000	10.23	1.39	9.27	1.59	HS 27.88 50.2
9.100	7.39	2.55	6.64	2.87	HS 50.98 91.8
9.200	3.05	3.51	2.72	3.93	HS 54.46 98.0
9.300	2.02	4.41	1.80	4.92	HS 35.96 64.7
9.400	1.77	5.69	1.57	6.32	HS 31.38 56.5
9.500	1.80	6.30	1.59	7.01	HS 31.86 57.3
9.600	1.78	4.62	1.58	5.14	HS 31.66 57.0
9.700	2.07	3.55	1.85	3.97	HS 36.92 66.5
9.800	3.18	2.79	2.85	3.14	HS 55.86 100.6
9.900	9.39	2.12	8.48	2.40	HS 42.32 76.2
10.000	12.69	1.25	11.54	1.43	HS 24.96 44.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
10.000	14.80	1.25	11.54	1.78	HS 24.96	44.9
10.100	9.59	2.85	8.59	3.24	HS 57.01	102.6
10.200	3.38	3.82	3.01	4.30	HS 60.11	108.2
10.300	2.06	4.62	1.82	5.17	HS 36.39	65.5
10.400	1.71	5.60	1.50	6.24	HS 30.06	54.1
10.500	1.59	6.88	1.39	7.65	HS 27.74	49.9
10.600	1.48	8.66	1.30	9.62	HS 25.92	46.6
10.700	1.50	11.46	1.31	12.75	HS 26.21	47.2
10.800	1.81	16.82	1.59	18.75	HS 31.76	57.2
10.900	3.06	32.39	2.70	36.26	HS 54.01	97.2
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	32.02	24.72	24.63	19.01
1.100	0.6	5.7	26.76	21.20	20.59	16.31
1.200	0.4	3.8	21.77	17.86	16.75	13.74
1.300	0.2	1.9	17.11	14.73	13.16	11.33
1.400	0.0	-0.1	12.86	11.81	9.89	9.09
1.500	-0.2	-2.0	-15.07	-13.93	-11.59	-10.71
1.600	-0.4	-3.9	-18.19	-16.67	-14.00	-12.82
1.700	-0.5	-5.8	-23.31	-19.35	-17.93	-14.88
1.800	-0.7	-7.7	-28.22	-21.94	-21.70	-16.88
1.900	-0.9	-9.7	-32.71	-24.40	-25.16	-18.77
2.000	-1.1	-11.6	-36.72	-26.68	-28.25	-20.52
2.000	0.8	-11.6	34.96	26.43	26.89	20.33
2.100	0.7	8.2	30.26	23.88	23.28	18.37
2.200	0.5	6.3	25.52	21.08	19.63	16.22
2.300	0.4	4.3	20.66	18.14	15.90	13.95
2.400	0.2	2.4	16.99	15.15	13.07	11.65
2.500	0.1	0.5	13.29	12.21	10.22	9.39
2.600	-0.1	-1.5	-16.75	-14.76	-12.88	-11.35
2.700	-0.2	-3.4	-20.51	-17.75	-15.77	-13.66
2.800	-0.4	-5.3	-25.34	-20.71	-19.49	-15.93
2.900	-0.6	-7.2	-30.06	-23.53	-23.12	-18.10
3.000	-0.7	-9.1	-34.48	-26.11	-26.52	-20.08
3.000	0.8	9.5	34.53	26.28	26.56	20.22
3.100	0.6	7.6	30.12	23.71	23.17	18.24
3.200	0.5	5.6	25.40	20.91	19.54	16.08
3.300	0.3	3.7	20.57	17.96	15.82	13.81
3.400	0.1	1.8	16.78	14.97	12.90	11.51
3.500	0.0	-0.1	13.12	-12.11	10.09	-9.32
3.600	-0.2	-2.1	-16.78	-15.05	-12.91	-11.57
3.700	-0.3	-4.0	-20.56	-18.03	-15.82	-13.87
3.800	-0.5	-5.9	-25.39	-20.98	-19.53	-16.14
3.900	-0.6	-7.8	-30.11	-23.79	-23.16	-18.30
4.000	-0.8	-9.7	-34.52	-26.36	-26.56	-20.28

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
4.000	0.8	-9.7	34.53	26.35	26.56	20.27
4.100	0.6	7.7	30.12	23.78	23.17	18.29
4.200	0.5	5.8	25.40	20.97	19.54	16.13
4.300	0.3	3.9	20.57	18.02	15.82	13.86
4.400	0.2	2.0	16.78	15.04	12.91	11.57
4.500	0.0	0.1	13.12	12.10	10.10	9.31
4.600	-0.2	-1.9	-16.78	-15.01	-12.91	-11.55
4.700	-0.3	-3.8	-20.57	-18.00	-15.82	-13.85
4.800	-0.5	-5.7	-25.40	-20.95	-19.54	-16.12
4.900	-0.6	-7.7	-30.11	-23.76	-23.17	-18.28
5.000	-0.8	-9.6	-34.53	-26.33	-26.56	-20.25
5.000	0.8	9.6	34.53	26.34	26.56	20.26
5.100	0.6	7.7	30.12	23.77	23.17	18.29
5.200	0.5	5.8	25.40	20.96	19.54	16.12
5.300	0.3	3.8	20.57	18.01	15.82	13.86
5.400	0.2	1.9	16.78	15.03	12.91	11.56
5.500	0.0	0.0	13.12	-12.10	10.10	-9.31
5.600	-0.2	-2.0	-16.78	-15.03	-12.91	-11.56
5.700	-0.3	-3.9	-20.57	-18.02	-15.82	-13.86
5.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
5.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
6.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27
6.000	0.8	9.6	34.53	26.35	26.56	20.27
6.100	0.6	7.7	30.12	23.78	23.17	18.29
6.200	0.5	5.8	25.40	20.97	19.54	16.13
6.300	0.3	3.9	20.57	18.02	15.82	13.86
6.400	0.2	2.0	16.78	15.03	12.91	11.56
6.500	0.0	0.0	13.12	12.10	10.10	9.31
6.600	-0.2	-1.9	-16.78	-15.03	-12.91	-11.56
6.700	-0.3	-3.8	-20.57	-18.01	-15.82	-13.86
6.800	-0.5	-5.8	-25.40	-20.96	-19.54	-16.12
6.900	-0.6	-7.7	-30.12	-23.77	-23.17	-18.29
7.000	-0.8	-9.6	-34.53	-26.34	-26.56	-20.26

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	34.53	26.33	26.56	20.25
7.100	0.6	7.7	30.11	23.76	23.17	18.28
7.200	0.5	5.7	25.40	20.95	19.54	16.12
7.300	0.3	3.8	20.57	18.00	15.82	13.85
7.400	0.2	1.9	16.78	15.01	12.91	11.55
7.500	0.0	0.0	13.12	-12.10	10.10	-9.31
7.600	-0.2	-2.0	-16.78	-15.04	-12.91	-11.57
7.700	-0.3	-3.9	-20.57	-18.02	-15.82	-13.86
7.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
7.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
8.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27
8.000	0.8	9.7	34.52	26.36	26.56	20.28
8.100	0.6	7.8	30.11	23.79	23.16	18.30
8.200	0.5	5.9	25.39	20.98	19.53	16.14
8.300	0.3	4.0	20.56	18.03	15.82	13.87
8.400	0.2	2.1	16.78	15.05	12.91	11.57
8.500	0.0	0.2	13.12	12.11	10.09	9.32
8.600	-0.1	-1.8	-16.78	-14.97	-12.90	-11.51
8.700	-0.3	-3.7	-20.57	-17.96	-15.82	-13.81
8.800	-0.5	-5.6	-25.40	-20.91	-19.54	-16.08
8.900	-0.6	-7.6	-30.12	-23.71	-23.17	-18.24
9.000	-0.8	-9.5	-34.53	-26.28	-26.56	-20.22
9.000	0.7	-9.5	34.48	26.11	26.52	20.08
9.100	0.6	7.2	30.06	23.53	23.12	18.10
9.200	0.4	5.3	25.34	20.71	19.49	15.93
9.300	0.2	3.4	20.51	17.75	15.77	13.66
9.400	0.1	1.5	16.75	14.76	12.88	11.35
9.500	-0.1	-0.5	-13.29	-12.21	-10.22	-9.39
9.600	-0.2	-2.4	-16.99	-15.15	-13.07	-11.65
9.700	-0.4	-4.3	-20.66	-18.14	-15.90	-13.95
9.800	-0.5	-6.3	-25.52	-21.08	-19.63	-16.22
9.900	-0.7	-8.2	-30.26	-23.88	-23.28	-18.37
10.000	-0.8	-10.1	-34.68	-26.43	-26.68	-20.33

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
10.000	1.1	11.6	36.72	26.68	28.25	20.52
10.100	0.9	9.7	32.71	24.40	25.16	18.77
10.200	0.7	7.7	28.22	21.94	21.70	16.88
10.300	0.5	5.8	23.31	19.35	17.93	14.88
10.400	0.4	3.9	18.19	16.67	14.00	12.82
10.500	0.2	2.0	15.07	13.93	11.59	10.71
10.600	0.0	0.1	-12.86	-11.81	-9.89	-9.09
10.700	-0.2	-1.9	-17.11	-14.73	-13.16	-11.33
10.800	-0.4	-3.8	-21.77	-17.86	-16.75	-13.74
10.900	-0.6	-5.7	-26.76	-21.20	-20.59	-16.31
11.000	-0.7	-7.6	-32.02	-24.72	-24.63	-19.01

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	103.3	-84.4	74.4
1.100	103.3	-83.2	75.7
1.200	103.3	-81.9	76.9
1.300	103.3	-80.7	78.2
1.400	103.3	-79.4	79.4
1.500	103.3	-78.2	80.7
1.600	103.3	-76.9	82.0
1.700	103.3	-75.6	83.2
1.800	103.3	-74.3	84.5
1.900	103.3	-73.1	85.8
2.000	103.3	-71.8	87.0
2.000	90.8	-71.8	63.3
2.100	90.8	-75.1	64.5
2.200	90.8	-73.9	65.7
2.300	90.8	-72.7	67.0
2.400	90.8	-71.4	68.2
2.500	90.8	-70.2	69.5
2.600	90.8	-68.9	70.8
2.700	90.8	-67.7	72.0
2.800	90.8	-66.4	73.2
2.900	90.8	-65.2	74.5
3.000	90.8	-63.9	70.3
3.000	90.8	-63.9	63.7
3.100	90.8	-74.7	64.9
3.200	90.8	-73.5	66.2
3.300	90.8	-72.2	67.4
3.400	90.8	-71.0	68.7
3.500	90.8	-69.8	69.9
3.600	90.8	-68.5	71.2
3.700	90.8	-67.2	72.4
3.800	90.8	-66.0	73.7
3.900	90.8	-64.8	74.9
4.000	90.8	-63.5	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	90.8	-63.5	63.6
4.100	90.8	-74.8	64.8
4.200	90.8	-73.6	66.1
4.300	90.8	-72.3	67.3
4.400	90.8	-71.1	68.5
4.500	90.8	-69.9	69.8
4.600	90.8	-68.6	71.1
4.700	90.8	-67.3	72.3
4.800	90.8	-66.1	73.5
4.900	90.8	-64.9	74.8
5.000	90.8	-63.6	70.3
5.000	90.8	-63.6	63.6
5.100	90.8	-74.8	64.8
5.200	90.8	-73.6	66.1
5.300	90.8	-72.3	67.3
5.400	90.8	-71.1	68.6
5.500	90.8	-69.8	69.8
5.600	90.8	-68.6	71.1
5.700	90.8	-67.3	72.3
5.800	90.8	-66.1	73.6
5.900	90.8	-64.8	74.8
6.000	90.8	-63.6	70.3
6.000	90.8	-63.6	63.6
6.100	90.8	-74.8	64.8
6.200	90.8	-73.6	66.1
6.300	90.8	-72.3	67.3
6.400	90.8	-71.1	68.6
6.500	90.8	-69.9	69.8
6.600	90.8	-68.6	71.1
6.700	90.8	-67.3	72.3
6.800	90.8	-66.1	73.6
6.900	90.8	-64.8	74.8
7.000	90.8	-63.6	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	90.8	-63.6	63.6
7.100	90.8	-74.8	64.9
7.200	90.8	-73.5	66.1
7.300	90.8	-72.3	67.3
7.400	90.8	-71.1	68.6
7.500	90.8	-69.8	69.8
7.600	90.8	-68.5	71.1
7.700	90.8	-67.3	72.3
7.800	90.8	-66.1	73.6
7.900	90.8	-64.8	74.8
8.000	90.8	-63.6	70.3
8.000	90.8	-63.6	63.5
8.100	90.8	-74.9	64.8
8.200	90.8	-73.7	66.0
8.300	90.8	-72.4	67.2
8.400	90.8	-71.2	68.5
8.500	90.8	-69.9	69.7
8.600	90.8	-68.7	71.0
8.700	90.8	-67.4	72.2
8.800	90.8	-66.2	73.5
8.900	90.8	-64.9	74.7
9.000	90.8	-63.7	70.3
9.000	90.8	-63.7	63.9
9.100	90.8	-74.5	65.2
9.200	90.8	-73.2	66.4
9.300	90.8	-72.0	67.7
9.400	90.8	-70.8	68.9
9.500	90.8	-69.5	70.1
9.600	90.8	-68.2	71.4
9.700	90.8	-67.0	72.7
9.800	90.8	-65.7	73.9
9.900	90.8	-64.5	75.1
10.000	90.8	-63.3	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	103.3	-63.3	71.8
10.100	103.3	-85.8	73.1
10.200	103.3	-84.5	74.3
10.300	103.3	-83.2	75.6
10.400	103.3	-82.0	76.9
10.500	103.3	-80.7	78.1
10.600	103.3	-79.4	79.4
10.700	103.3	-78.2	80.7
10.800	103.3	-76.9	81.9
10.900	103.3	-75.7	83.2
11.000	103.3	-74.4	79.9

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	35.22	2.32	HS 46.48	83.7
1.100	26.29	2.83	HS 56.55	101.8
1.200	13.95	3.53	HS 70.67	127.2
1.300	9.25	4.57	HS 91.37	164.5
1.400	6.93	6.18	HS 123.53	222.4
1.500	5.19	8.32	HS 103.74	186.7
1.600	4.22	12.15	HS 84.48	152.1
1.700	3.24	17.95	HS 64.87	116.8
1.800	2.63	29.87	HS 52.69	94.8
1.900	2.23	63.91	HS 44.69	80.4
2.000	1.96	135.48	HS 39.12	70.4
2.000	1.96	1.81	HS 36.20	65.2
2.100	25.09	2.13	HS 42.63	76.7
2.200	17.63	2.58	HS 51.52	92.7
2.300	11.25	3.24	HS 64.84	116.7
2.400	7.91	4.02	HS 80.32	144.6
2.500	5.36	5.23	HS 104.54	188.2
2.600	4.11	7.52	HS 82.27	148.1
2.700	3.30	10.55	HS 65.98	118.8
2.800	2.62	16.14	HS 52.43	94.4
2.900	2.17	19.69	HS 43.36	78.1
3.000	1.85	18.57	HS 37.08	66.7
3.000	1.85	1.85	HS 36.89	66.4
3.100	23.15	2.16	HS 43.12	77.6
3.200	16.44	2.61	HS 52.10	93.8
3.300	10.71	3.28	HS 65.54	118.0
3.400	7.62	4.09	HS 81.85	147.3
3.500	5.32	5.33	HS 106.32	191.4
3.600	4.08	7.70	HS 81.63	146.9
3.700	3.27	10.86	HS 65.39	117.7
3.800	2.60	16.78	HS 51.98	93.6
3.900	2.15	23.89	HS 43.01	77.4
4.000	1.84	22.74	HS 36.79	66.2

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	1.84	1.84	HS 36.79	66.2
4.100	23.44	2.15	HS 43.04	77.5
4.200	16.59	2.60	HS 52.02	93.6
4.300	10.78	3.27	HS 65.44	117.8
4.400	7.66	4.09	HS 81.70	147.1
4.500	5.32	5.32	HS 106.34	191.4
4.600	4.09	7.64	HS 81.75	147.2
4.700	3.27	10.74	HS 65.49	117.9
4.800	2.60	16.49	HS 52.06	93.7
4.900	2.15	23.27	HS 43.08	77.5
5.000	1.84	22.17	HS 36.85	66.3
5.000	1.84	1.84	HS 36.84	66.3
5.100	23.29	2.15	HS 43.07	77.5
5.200	16.51	2.60	HS 52.04	93.7
5.300	10.74	3.27	HS 65.47	117.8
5.400	7.64	4.09	HS 81.73	147.1
5.500	5.32	5.32	HS 106.38	191.5
5.600	4.09	7.65	HS 81.71	147.1
5.700	3.27	10.76	HS 65.46	117.8
5.800	2.60	16.54	HS 52.03	93.7
5.900	2.15	23.35	HS 43.06	77.5
6.000	1.84	22.24	HS 36.83	66.3
6.000	1.84	1.84	HS 36.83	66.3
6.100	23.35	2.15	HS 43.06	77.5
6.200	16.54	2.60	HS 52.03	93.7
6.300	10.76	3.27	HS 65.46	117.8
6.400	7.65	4.09	HS 81.71	147.1
6.500	5.32	5.32	HS 106.36	191.4
6.600	4.09	7.64	HS 81.73	147.1
6.700	3.27	10.74	HS 65.47	117.8
6.800	2.60	16.51	HS 52.04	93.7
6.900	2.15	23.29	HS 43.07	77.5
7.000	1.84	22.19	HS 36.84	66.3

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	1.84	1.84	HS 36.84	66.3
7.100	23.27	2.15	HS 43.08	77.5
7.200	16.49	2.60	HS 52.06	93.7
7.300	10.74	3.27	HS 65.49	117.9
7.400	7.64	4.09	HS 81.75	147.2
7.500	5.32	5.32	HS 106.40	191.5
7.600	4.09	7.66	HS 81.70	147.1
7.700	3.27	10.78	HS 65.44	117.8
7.800	2.60	16.59	HS 52.02	93.6
7.900	2.15	23.44	HS 43.04	77.5
8.000	1.84	22.33	HS 36.83	66.3
8.000	1.84	1.84	HS 36.79	66.2
8.100	23.89	2.15	HS 43.01	77.4
8.200	16.78	2.60	HS 51.98	93.6
8.300	10.86	3.27	HS 65.39	117.7
8.400	7.70	4.08	HS 81.63	146.9
8.500	5.33	5.31	HS 106.26	191.3
8.600	4.09	7.62	HS 81.85	147.3
8.700	3.28	10.71	HS 65.54	118.0
8.800	2.61	16.44	HS 52.10	93.8
8.900	2.16	23.15	HS 43.12	77.6
9.000	1.85	22.07	HS 36.89	66.4
9.000	1.85	1.85	HS 36.89	66.4
9.100	20.46	2.17	HS 43.36	78.1
9.200	16.14	2.62	HS 52.43	94.4
9.300	10.55	3.30	HS 65.98	118.8
9.400	7.52	4.11	HS 82.27	148.1
9.500	5.23	5.36	HS 104.60	188.3
9.600	4.02	7.91	HS 80.32	144.6
9.700	3.24	11.25	HS 64.84	116.7
9.800	2.58	17.63	HS 51.52	92.7
9.900	2.13	24.04	HS 42.63	76.7
10.000	1.82	22.50	HS 36.49	65.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	1.82	1.96	HS 36.49	65.7
10.100	63.91	2.23	HS 44.69	80.4
10.200	29.87	2.63	HS 52.69	94.8
10.300	17.95	3.24	HS 64.87	116.8
10.400	12.15	4.22	HS 84.48	152.1
10.500	8.32	5.18	HS 103.69	186.6
10.600	6.18	6.93	HS 123.53	222.4
10.700	4.57	9.25	HS 91.37	164.5
10.800	3.53	13.95	HS 70.67	127.2
10.900	2.83	26.29	HS 56.55	101.8
11.000	2.32	33.80	HS 46.48	83.7

3.000	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
43.7								
3.000	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
43.7								
3.100	160.8	160.8	-174.4	-174.4	177.8	177.8	-157.4	-1
57.4								
3.200	168.0	168.0	-167.3	-167.3	167.2	167.2	-168.1	-1
68.1								
3.300	173.0	173.0	-162.3	-162.3	159.6	159.6	-175.7	-1
75.7								
3.400	176.0	176.0	-159.3	-159.3	155.1	155.1	-180.2	-1
80.2								
3.500	176.9	176.9	-158.4	-158.4	153.7	153.7	-181.6	-1
81.6								
3.600	175.7	175.7	-159.6	-159.6	155.5	155.5	-179.7	-1
79.7								
3.700	172.4	172.4	-162.9	-162.9	160.5	160.5	-174.8	-1
74.8								
3.800	167.1	167.1	-168.2	-168.2	168.5	168.5	-166.8	-1
66.8								
3.900	159.7	159.7	-175.6	-175.6	179.6	179.6	-155.7	-1
55.7								
4.000	150.2	150.2	-185.1	-185.1	193.9	193.9	-141.4	-1
41.4								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 41.4	150.2	150.2	-185.1	-185.1	193.9	193.9	-141.4	-1
4.100 55.5	159.5	159.5	-175.7	-175.7	179.8	179.8	-155.5	-1
4.200 66.5	166.9	166.9	-168.4	-168.4	168.8	168.8	-166.5	-1
4.300 74.3	172.1	172.1	-163.2	-163.2	160.9	160.9	-174.3	-1
4.400 79.1	175.3	175.3	-160.0	-160.0	156.2	156.2	-179.1	-1
4.500 80.8	176.4	176.4	-158.9	-158.9	154.5	154.5	-180.8	-1
4.600 79.2	175.4	175.4	-159.9	-159.9	156.1	156.1	-179.2	-1
4.700 74.6	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
4.800 66.8	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
4.900 56.0	159.9	159.9	-175.4	-175.4	179.3	179.3	-156.0	-1
5.000 42.0	150.6	150.6	-184.7	-184.7	193.2	193.2	-142.0	-1
5.000 42.0	150.6	150.6	-184.7	-184.7	193.2	193.2	-142.0	-1
5.100 56.0	159.9	159.9	-175.4	-175.4	179.3	179.3	-156.0	-1
5.200 66.9	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
5.300 74.7	172.3	172.3	-162.9	-162.9	160.6	160.6	-174.7	-1
5.400 79.4	175.5	175.5	-159.8	-159.8	155.9	155.9	-179.4	-1
5.500 81.0	176.5	176.5	-158.8	-158.8	154.3	154.3	-181.0	-1
5.600 79.3	175.4	175.4	-159.8	-159.8	155.9	155.9	-179.3	-1
5.700 74.6	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
5.800 66.8	167.1	167.1	-168.2	-168.2	168.5	168.5	-166.8	-1
5.900 55.9	159.8	159.8	-175.5	-175.5	179.4	179.4	-155.9	-1

6.000	150.4	150.4	-184.8	-184.8	193.4	193.4	-141.8	-1
41.8								
6.000	150.4	150.4	-184.8	-184.8	193.4	193.4	-141.8	-1
41.8								
6.100	159.8	159.8	-175.5	-175.5	179.4	179.4	-155.9	-1
55.9								
6.200	167.1	167.1	-168.2	-168.2	168.5	168.5	-166.8	-1
66.8								
6.300	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
74.6								
6.400	175.4	175.4	-159.8	-159.8	155.9	155.9	-179.3	-1
79.3								
6.500	176.5	176.5	-158.8	-158.8	154.3	154.3	-181.0	-1
81.0								
6.600	175.5	175.5	-159.8	-159.8	155.9	155.9	-179.4	-1
79.4								
6.700	172.3	172.3	-162.9	-162.9	160.6	160.6	-174.7	-1
74.7								
6.800	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
66.9								
6.900	159.9	159.9	-175.4	-175.4	179.3	179.3	-156.0	-1
56.0								
7.000	150.6	150.6	-184.7	-184.7	193.2	193.2	-142.0	-1
42.0								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 42.0	150.6	150.6	-184.7	-184.7	193.2	193.2	-142.0	-1
7.100 56.0	159.9	159.9	-175.4	-175.4	179.3	179.3	-156.0	-1
7.200 66.8	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
7.300 74.6	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
7.400 79.2	175.4	175.4	-159.9	-159.9	156.1	156.1	-179.2	-1
7.500 80.8	176.4	176.4	-158.9	-158.9	154.5	154.5	-180.8	-1
7.600 79.1	175.3	175.3	-160.0	-160.0	156.2	156.2	-179.1	-1
7.700 74.3	172.1	172.1	-163.2	-163.2	160.9	160.9	-174.3	-1
7.800 66.5	166.9	166.9	-168.4	-168.4	168.8	168.8	-166.5	-1
7.900 55.5	159.5	159.5	-175.7	-175.7	179.8	179.8	-155.5	-1
8.000 41.4	150.2	150.2	-185.1	-185.1	193.9	193.9	-141.4	-1
8.000 41.4	150.2	150.2	-185.1	-185.1	193.9	193.9	-141.4	-1
8.100 55.7	159.7	159.7	-175.6	-175.6	179.6	179.6	-155.7	-1
8.200 66.8	167.1	167.1	-168.2	-168.2	168.5	168.5	-166.8	-1
8.300 74.8	172.4	172.4	-162.9	-162.9	160.5	160.5	-174.8	-1
8.400 79.7	175.7	175.7	-159.6	-159.6	155.5	155.5	-179.7	-1
8.500 81.6	176.9	176.9	-158.4	-158.4	153.7	153.7	-181.6	-1
8.600 80.2	176.0	176.0	-159.3	-159.3	155.1	155.1	-180.2	-1
8.700 75.7	173.0	173.0	-162.3	-162.3	159.6	159.6	-175.7	-1
8.800 68.1	168.0	168.0	-167.3	-167.3	167.2	167.2	-168.1	-1
8.900 57.4	160.8	160.8	-174.4	-174.4	177.8	177.8	-157.4	-1

9.000	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
43.7								
9.000	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
43.7								
9.100	160.4	160.4	-174.8	-174.8	178.4	178.4	-156.8	-1
56.8								
9.200	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
66.9								
9.300	171.8	171.8	-163.5	-163.5	161.4	161.4	-173.9	-1
73.9								
9.400	174.4	174.4	-160.9	-160.9	157.5	157.5	-177.8	-1
77.8								
9.500	174.9	174.9	-160.4	-160.4	156.8	156.8	-178.5	-1
78.5								
9.600	173.3	173.3	-162.0	-162.0	159.2	159.2	-176.1	-1
76.1								
9.700	169.6	169.6	-165.7	-165.7	164.7	164.7	-170.6	-1
70.6								
9.800	163.8	163.8	-171.4	-171.4	173.4	173.4	-161.9	-1
61.9								
9.900	156.0	156.0	-179.3	-179.3	185.1	185.1	-150.2	-1
50.2								
10.000	146.1	146.1	-189.2	-189.2	199.9	199.9	-135.3	-1
35.3								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	2.82	33.62	2.82	33.62	HS 56.30	101.3
1.200	1.66	17.43	1.66	17.43	HS 33.17	59.7
1.300	1.37	11.87	1.37	11.87	HS 27.40	49.3
1.400	1.36	8.97	1.36	8.97	HS 27.11	48.8
1.500	1.45	7.12	1.45	7.12	HS 29.01	52.2
1.600	1.57	5.80	1.57	5.80	HS 31.40	56.5
1.700	1.90	4.79	1.90	4.79	HS 37.93	68.3
1.800	3.12	3.97	3.12	3.97	HS 62.51	112.5
1.900	9.07	2.97	9.07	2.97	HS 59.48	107.1
2.000	13.82	1.61	13.82	1.61	HS 32.14	57.8
2.000	11.93	1.30	11.93	1.30	HS 26.04	46.9
2.100	8.61	2.21	8.61	2.21	HS 44.22	79.6
2.200	2.96	2.91	2.96	2.91	HS 58.18	104.7
2.300	1.92	3.69	1.92	3.69	HS 38.43	69.2
2.400	1.65	4.79	1.65	4.79	HS 32.99	59.4
2.500	1.66	6.54	1.66	6.54	HS 33.23	59.8
2.600	1.64	5.90	1.64	5.90	HS 32.72	58.9
2.700	1.87	4.58	1.87	4.58	HS 37.46	67.4
2.800	2.83	3.65	2.83	3.65	HS 56.63	101.9
2.900	7.01	2.66	7.01	2.66	HS 53.16	95.7
3.000	9.59	1.46	9.59	1.46	HS 29.19	52.5
3.000	9.59	1.46	9.59	1.46	HS 29.19	52.5
3.100	6.85	2.68	6.85	2.68	HS 53.65	96.6
3.200	2.82	3.71	2.82	3.71	HS 56.31	101.4
3.300	1.85	4.67	1.85	4.67	HS 36.93	66.5
3.400	1.60	6.02	1.60	6.02	HS 31.99	57.6
3.500	1.62	8.10	1.62	8.10	HS 32.47	58.5
3.600	1.60	5.95	1.60	5.95	HS 32.07	57.7
3.700	1.86	4.60	1.86	4.60	HS 37.11	66.8
3.800	2.84	3.65	2.84	3.65	HS 56.70	102.1
3.900	7.16	2.64	7.16	2.64	HS 52.78	95.0
4.000	11.80	1.43	11.80	1.43	HS 28.70	51.7

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
4.000	11.80	1.43	11.80	1.43	HS 28.70	51.7
4.100	7.08	2.64	7.08	2.64	HS 52.75	94.9
4.200	2.84	3.64	2.84	3.64	HS 56.81	102.3
4.300	1.86	4.59	1.86	4.59	HS 37.22	67.0
4.400	1.61	5.93	1.61	5.93	HS 32.20	58.0
4.500	1.63	7.93	1.63	7.93	HS 32.64	58.8
4.600	1.61	5.93	1.61	5.93	HS 32.18	57.9
4.700	1.86	4.60	1.86	4.60	HS 37.17	66.9
4.800	2.83	3.65	2.83	3.65	HS 56.69	102.0
4.900	7.10	2.64	7.10	2.64	HS 52.90	95.2
5.000	11.58	1.44	11.58	1.44	HS 28.82	51.9
5.000	11.58	1.44	11.58	1.44	HS 28.82	51.9
5.100	6.97	2.65	6.97	2.65	HS 52.91	95.2
5.200	2.83	3.65	2.83	3.65	HS 56.66	102.0
5.300	1.86	4.60	1.86	4.60	HS 37.14	66.8
5.400	1.61	5.94	1.61	5.94	HS 32.14	57.9
5.500	1.63	7.96	1.63	7.96	HS 32.60	58.7
5.600	1.61	5.94	1.61	5.94	HS 32.15	57.9
5.700	1.86	4.60	1.86	4.60	HS 37.16	66.9
5.800	2.84	3.65	2.84	3.65	HS 56.70	102.1
5.900	7.11	2.64	7.11	2.64	HS 52.86	95.1
6.000	11.64	1.44	11.64	1.44	HS 28.78	51.8
6.000	11.64	1.44	11.64	1.44	HS 28.78	51.8
6.100	6.99	2.64	6.99	2.64	HS 52.85	95.1
6.200	2.84	3.65	2.84	3.65	HS 56.70	102.1
6.300	1.86	4.60	1.86	4.60	HS 37.16	66.9
6.400	1.61	5.94	1.61	5.94	HS 32.15	57.9
6.500	1.63	7.96	1.63	7.96	HS 32.60	58.7
6.600	1.61	5.94	1.61	5.94	HS 32.14	57.9
6.700	1.86	4.60	1.86	4.60	HS 37.14	66.8
6.800	2.83	3.65	2.83	3.65	HS 56.66	102.0
6.900	7.09	2.65	7.09	2.65	HS 52.91	95.2
7.000	11.58	1.44	11.58	1.44	HS 28.82	51.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	11.58	1.44	11.58	1.44	HS 28.82	51.9
7.100	6.98	2.64	6.98	2.64	HS 52.90	95.2
7.200	2.83	3.65	2.83	3.65	HS 56.69	102.0
7.300	1.86	4.60	1.86	4.60	HS 37.17	66.9
7.400	1.61	5.93	1.61	5.93	HS 32.18	57.9
7.500	1.63	7.93	1.63	7.93	HS 32.64	58.8
7.600	1.61	5.93	1.61	5.93	HS 32.20	58.0
7.700	1.86	4.59	1.86	4.59	HS 37.22	67.0
7.800	2.84	3.64	2.84	3.64	HS 56.81	102.3
7.900	7.21	2.64	7.21	2.64	HS 52.75	94.9
8.000	11.80	1.43	11.80	1.43	HS 28.70	51.7
8.000	11.80	1.43	11.80	1.43	HS 28.70	51.7
8.100	7.04	2.64	7.04	2.64	HS 52.78	95.0
8.200	2.84	3.65	2.84	3.65	HS 56.70	102.1
8.300	1.86	4.60	1.86	4.60	HS 37.11	66.8
8.400	1.60	5.95	1.60	5.95	HS 32.07	57.7
8.500	1.62	8.10	1.62	8.10	HS 32.47	58.5
8.600	1.60	6.02	1.60	6.02	HS 31.99	57.6
8.700	1.85	4.67	1.85	4.67	HS 36.93	66.5
8.800	2.82	3.71	2.82	3.71	HS 56.31	101.4
8.900	6.96	2.68	6.96	2.68	HS 53.65	96.6
9.000	9.59	1.46	9.59	1.46	HS 29.19	52.5
9.000	9.59	1.46	9.59	1.46	HS 29.19	52.5
9.100	6.89	2.66	6.89	2.66	HS 53.16	95.7
9.200	2.83	3.65	2.83	3.65	HS 56.63	101.9
9.300	1.87	4.58	1.87	4.58	HS 37.46	67.4
9.400	1.64	5.90	1.64	5.90	HS 32.72	58.9
9.500	1.66	6.54	1.66	6.54	HS 33.23	59.8
9.600	1.65	4.79	1.65	4.79	HS 32.99	59.4
9.700	1.92	3.69	1.92	3.69	HS 38.43	69.2
9.800	2.96	2.91	2.96	2.91	HS 58.18	104.7
9.900	8.79	2.21	8.79	2.21	HS 44.22	79.6
10.000	11.93	1.31	11.93	1.31	HS 26.20	47.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	11.93	1.31	11.93	1.31	HS 26.20	47.2
10.100	8.91	2.97	8.91	2.97	HS 59.48	107.1
10.200	3.12	3.97	3.12	3.97	HS 62.51	112.5
10.300	1.90	4.79	1.90	4.79	HS 37.93	68.3
10.400	1.57	5.80	1.57	5.80	HS 31.40	56.5
10.500	1.45	7.12	1.45	7.12	HS 29.01	52.2
10.600	1.36	8.97	1.36	8.97	HS 27.11	48.8
10.700	1.37	11.87	1.37	11.87	HS 27.40	49.3
10.800	1.66	17.43	1.66	17.43	HS 33.17	59.7
10.900	2.82	33.62	2.82	33.62	HS 56.30	101.3
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.7	66.91 L	41.79	51.47	32.15
1.200	2.8	28.5	108.85 L	71.41	83.73	54.93
1.300	3.5	35.6	128.35 L	91.13	98.73	70.10
1.400	3.7	38.0	128.61 L	99.47	98.93	76.51
1.500	3.5	35.5	121.30 L	99.09	93.31	76.22
1.600	2.8	28.1	115.16 L	88.90	88.59	68.38
1.700	1.7	15.9	99.53 L	71.95	76.56	55.35
1.800	0.1	-1.1	63.96 L	47.55	49.20	36.58
1.900	-2.0	-22.8	-62.02 L	-57.83	-47.71	-44.49
2.000	-4.5	-49.4	-103.95 L	-95.85	-79.96	-73.73
2.000	-4.5	-49.4	-103.95 L	-95.84	-79.96	-73.73
2.100	-2.6	-26.5	-67.93 R	-58.59	-52.25	-45.07
2.200	-1.0	-8.5	58.49 R	40.87	45.00	31.44
2.300	0.1	4.8	85.73 R	61.84	65.95	47.57
2.400	0.8	13.3	96.49 R	74.80	74.22	57.54
2.500	1.2	17.0	94.36 L	80.36	72.58	61.82
2.600	1.1	15.7	96.30 L	76.22	74.08	58.63
2.700	0.7	9.7	86.17 L	64.63	66.29	49.71
2.800	-0.1	-1.1	59.46 L	45.30	45.74	34.84
2.900	-1.3	-16.7	-59.00 L	-53.33	-45.39	-41.03
3.000	-2.9	-37.0	-98.43 L	-89.21	-75.72	-68.63
3.000	-2.9	-37.0	-98.43 L	-89.21	-75.72	-68.63
3.100	-1.2	-15.8	-58.69 R	-52.89	-45.15	-40.68
3.200	0.1	0.7	59.37 R	44.98	45.67	34.60
3.300	1.0	12.4	86.43 R	65.39	66.48	50.30
3.400	1.6	19.3	96.97 R	77.63	74.59	59.72
3.500	1.7	21.5	94.67 R	82.45	72.82	63.42
3.600	1.5	18.7	97.00 L	77.56	74.62	59.66
3.700	0.9	11.1	86.47 L	65.25	66.52	50.19
3.800	-0.1	-1.3	59.43 L	45.25	45.72	34.81
3.900	-1.5	-18.4	-58.98 L	-54.10	-45.37	-41.62
4.000	-3.3	-40.3	-98.55 L	-90.65	-75.80	-69.73

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-40.3	-98.55 L	-90.65	-75.80	-69.73
4.100	-1.6	-18.7	-58.96 R	-54.15	-45.35	-41.66
4.200	-0.2	-1.8	59.43 R	44.49	45.71	34.23
4.300	0.8	10.4	86.47 R	65.00	66.52	50.00
4.400	1.4	17.7	97.00 R	77.32	74.62	59.48
4.500	1.6	20.3	94.68 R	82.22	72.83	63.25
4.600	1.4	17.9	97.01 L	77.41	74.62	59.55
4.700	0.8	10.7	86.48 L	65.18	66.52	50.14
4.800	-0.1	-1.2	59.43 L	45.27	45.72	34.83
4.900	-1.5	-17.9	-58.98 L	-54.00	-45.37	-41.54
5.000	-3.2	-39.4	-98.55 L	-90.47	-75.81	-69.59
5.000	-3.2	-39.4	-98.55 L	-90.47	-75.81	-69.59
5.100	-1.5	-17.9	-58.98 R	-54.00	-45.37	-41.54
5.200	-0.1	-1.1	59.43 R	44.77	45.72	34.44
5.300	0.9	10.9	86.48 R	65.23	66.52	50.17
5.400	1.4	18.1	97.01 R	77.50	74.62	59.62
5.500	1.6	20.6	94.68 L	82.35	72.83	63.34
5.600	1.4	18.1	97.01 L	77.49	74.62	59.61
5.700	0.8	10.8	86.48 L	65.20	66.52	50.15
5.800	-0.1	-1.3	59.43 L	45.25	45.72	34.81
5.900	-1.5	-18.1	-58.98 L	-54.07	-45.37	-41.59
6.000	-3.3	-39.7	-98.55 R	-90.58	-75.81	-69.68
6.000	-3.3	-39.7	-98.55 R	-90.58	-75.81	-69.68
6.100	-1.5	-18.1	-58.98 R	-54.09	-45.37	-41.61
6.200	-0.1	-1.3	59.43 R	44.74	45.72	34.41
6.300	0.8	10.8	86.48 R	65.20	66.52	50.15
6.400	1.4	18.1	97.01 R	77.49	74.62	59.61
6.500	1.6	20.6	94.68 L	82.35	72.83	63.34
6.600	1.4	18.1	97.01 L	77.50	74.62	59.62
6.700	0.9	10.9	86.48 L	65.23	66.52	50.17
6.800	-0.1	-1.1	59.43 L	45.29	45.72	34.84
6.900	-1.5	-17.9	-58.98 L	-53.97	-45.37	-41.52
7.000	-3.2	-39.4	-98.55 L	-90.47	-75.81	-69.59

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	
7.000	-3.2	-39.4	-98.55	L	-90.47	-75.81	-69.59
7.100	-1.5	-17.9	-58.98	R	-54.03	-45.37	-41.56
7.200	-0.1	-1.2	59.43	R	44.76	45.72	34.43
7.300	0.8	10.7	86.48	R	65.18	66.52	50.14
7.400	1.4	17.9	97.01	R	77.41	74.62	59.55
7.500	1.6	20.3	94.68	L	82.22	72.83	63.25
7.600	1.4	17.7	97.00	L	77.32	74.62	59.48
7.700	0.8	10.4	86.47	L	65.00	66.52	50.00
7.800	-0.2	-1.8	59.43	L	45.01	45.71	34.62
7.900	-1.6	-18.7	-58.96	L	-54.13	-45.35	-41.64
8.000	-3.3	-40.3	-98.55	R	-90.65	-75.80	-69.73
8.000	-3.3	-40.3	-98.55	R	-90.65	-75.80	-69.73
8.100	-1.5	-18.4	-58.98	R	-54.13	-45.37	-41.64
8.200	-0.1	-1.3	59.43	R	44.74	45.72	34.41
8.300	0.9	11.1	86.47	R	65.25	66.52	50.19
8.400	1.5	18.7	97.01	R	77.56	74.62	59.66
8.500	1.7	21.5	94.67	L	82.45	72.82	63.42
8.600	1.6	19.3	96.97	L	77.63	74.59	59.72
8.700	1.0	12.4	86.43	L	65.39	66.48	50.30
8.800	0.1	0.7	59.36	L	45.49	45.67	34.99
8.900	-1.2	-15.8	-58.69	L	-52.86	-45.15	-40.66
9.000	-2.9	-37.0	-98.43	R	-89.21	-75.72	-68.63
9.000	-2.9	-37.0	-98.43	R	-89.21	-75.72	-68.63
9.100	-1.3	-16.7	-59.00	R	-53.36	-45.39	-41.05
9.200	-0.1	-1.1	59.46	R	44.78	45.74	34.45
9.300	0.7	9.7	86.17	R	64.63	66.29	49.71
9.400	1.1	15.7	96.30	R	76.22	74.08	58.63
9.500	1.2	17.0	94.36	R	80.36	72.58	61.82
9.600	0.8	13.3	96.49	L	74.80	74.22	57.54
9.700	0.1	4.8	85.73	L	61.84	65.95	47.57
9.800	-1.0	-8.5	58.49	L	41.39	45.00	31.84
9.900	-2.6	-26.5	-67.93	L	-58.56	-52.25	-45.05
10.000	-4.5	-49.4	-103.30	R	-95.85	-79.46	-73.73

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-49.4	-103.30 R	-95.85	-79.46	-73.73
10.100	-2.0	-22.8	-62.02 R	-57.85	-47.71	-44.50
10.200	0.1	-1.1	63.97 R	47.55	49.20	36.58
10.300	1.7	15.9	99.53 R	71.95	76.56	55.35
10.400	2.8	28.1	115.16 R	88.90	88.59	68.38
10.500	3.5	35.5	121.30 R	99.09	93.31	76.22
10.600	3.7	38.0	128.61 R	99.47	98.93	76.52
10.700	3.5	35.6	128.35 R	91.13	98.73	70.10
10.800	2.8	28.5	108.85 R	71.41	83.73	54.93
10.900	1.6	16.7	66.91 R	41.79	51.47	32.15
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
0	1.100	359.7C	319.4	-319.4	-359.7C	341.4	301.2	-337.7	-378.
0	1.200	359.7C	319.4	-319.4	-359.7C	328.4	288.1	-350.7	-391.
8	1.300	359.7C	319.4	-319.4	-359.7C	320.6	280.3	-358.5	-398.
3	1.400	359.7C	319.4	-319.4	-359.7C	318.0	277.8	-361.1	-401.
7	1.500	359.7C	319.4	-319.4	-359.7C	320.7	280.4	-358.4	-398.
6	1.600	359.7C	319.4	-319.4	-359.7C	328.8	288.5	-350.3	-390.
3	1.700	359.7C	319.4	-319.4	-359.7C	342.1	301.8	-337.0	-377.
7	1.800	359.7C	319.4	-319.4	-359.7C	360.7	320.4	-318.4	-358.
9	1.900	359.7C	319.4	-319.4	-359.7C	384.5	344.2	-294.6	-334.
9	2.000	359.7C	319.4	-319.4	-359.7C	413.5	373.2	-265.6	-305.
8	2.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.
6	2.100	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
1	2.200	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
5	2.300	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
7	2.400	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
8	2.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
5	2.600	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
0	2.700	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
4	2.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
6	2.900	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.

7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	3.100	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.
5	3.200	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
1	3.300	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
6	3.400	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8	3.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8	3.600	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
6	3.700	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
2	3.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
7	3.900	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
0	4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
4.100	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
4.200	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
4.300	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
4.400	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
4.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
4.600	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
4.700	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
4.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4.900	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.100	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
5.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.300	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
5.400	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
5.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
5.600	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
5.700	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
5.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
5.900	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.

6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
0	6.100	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.
2	6.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
3	6.300	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
1	6.400	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
8	6.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
2	6.600	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
4	6.700	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
4	6.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
3	6.900	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
0	7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
7.100	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
7.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
7.300	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
7.400	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
7.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
7.600	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
7.700	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
7.800	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
7.900	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
8.100	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
8.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
8.300	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
8.400	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
8.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8.600	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8.700	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
8.800	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
8.900	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.

7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	9.100	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.
4	9.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
0	9.300	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
5	9.400	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
8	9.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
7	9.600	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
5	9.700	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
1	9.800	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
6	9.900	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
8	10.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	HS 999.00 999.0
1.100	5.10	53.99	4.50	60.43	HS 90.02 162.0
1.200	3.02	28.04	2.65	31.25	HS 52.94 95.3
1.300	2.50	19.11	2.18	21.25	HS 43.68 78.6
1.400	2.47	14.43	2.16	16.04	HS 43.19 77.7
1.500	2.64	11.46	2.31	12.75	HS 46.24 83.2
1.600	2.86	9.33	2.51	10.41	HS 50.11 90.2
1.700	3.44	7.70	3.03	8.62	HS 60.65 109.2
1.800	5.64	6.36	5.01	7.17	HS 100.18 180.3
1.900	16.28	4.75	14.58	5.40	HS 95.01 171.0
2.000	24.67	2.56	22.27	2.94	HS 51.10 92.0
2.000	21.15	2.07	19.24	2.37	HS 41.33 74.4
2.100	15.34	3.53	13.85	4.00	HS 70.53 127.0
2.200	5.30	4.66	4.76	5.23	HS 93.10 167.6
2.300	3.45	5.92	3.08	6.61	HS 61.54 110.8
2.400	2.97	7.69	2.64	8.56	HS 52.76 95.0
2.500	2.99	10.51	2.65	11.68	HS 53.10 95.6
2.600	2.95	9.48	2.62	10.54	HS 52.29 94.1
2.700	3.37	7.36	3.00	8.20	HS 59.94 107.9
2.800	5.08	5.84	4.54	6.54	HS 90.77 163.4
2.900	12.52	4.25	11.26	4.79	HS 84.96 152.9
3.000	17.05	2.32	15.44	2.65	HS 46.47 83.6
3.000	17.05	2.32	15.44	2.65	HS 46.47 83.6
3.100	12.23	4.29	11.00	4.83	HS 85.76 154.4
3.200	5.05	5.95	4.51	6.65	HS 90.23 162.4
3.300	3.32	7.50	2.95	8.35	HS 59.06 106.3
3.400	2.88	9.68	2.56	10.75	HS 51.10 92.0
3.500	2.93	13.01	2.59	14.44	HS 51.85 93.3
3.600	2.89	9.56	2.56	10.62	HS 51.23 92.2
3.700	3.34	7.39	2.97	8.23	HS 59.37 106.9
3.800	5.08	5.84	4.54	6.54	HS 90.88 163.6
3.900	12.79	4.22	11.51	4.76	HS 84.33 151.8
4.000	20.96	2.28	19.02	2.61	HS 45.66 82.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
4.000	20.96	2.28	19.02	2.61	HS 45.66	82.2
4.100	12.64	4.21	11.38	4.76	HS 84.27	151.7
4.200	5.09	5.83	4.55	6.53	HS 91.07	163.9
4.300	3.35	7.37	2.98	8.21	HS 59.55	107.2
4.400	2.90	9.53	2.57	10.59	HS 51.45	92.6
4.500	2.94	12.74	2.61	14.15	HS 52.13	93.8
4.600	2.90	9.53	2.57	10.59	HS 51.41	92.5
4.700	3.34	7.38	2.97	8.22	HS 59.46	107.0
4.800	5.08	5.84	4.54	6.54	HS 90.86	163.5
4.900	12.67	4.23	11.40	4.77	HS 84.52	152.1
5.000	20.57	2.29	18.65	2.62	HS 45.86	82.5
5.000	20.57	2.29	18.65	2.62	HS 45.86	82.5
5.100	12.45	4.23	11.20	4.77	HS 84.54	152.2
5.200	5.08	5.85	4.54	6.55	HS 90.82	163.5
5.300	3.34	7.38	2.97	8.23	HS 59.41	106.9
5.400	2.90	9.54	2.57	10.60	HS 51.36	92.4
5.500	2.94	12.79	2.60	14.20	HS 52.06	93.7
5.600	2.90	9.54	2.57	10.60	HS 51.37	92.5
5.700	3.34	7.38	2.97	8.22	HS 59.44	107.0
5.800	5.08	5.84	4.54	6.54	HS 90.88	163.6
5.900	12.70	4.22	11.43	4.76	HS 84.45	152.0
6.000	20.68	2.29	18.76	2.61	HS 45.79	82.4
6.000	20.68	2.29	18.76	2.61	HS 45.79	82.4
6.100	12.49	4.22	11.24	4.76	HS 84.45	152.0
6.200	5.08	5.84	4.54	6.54	HS 90.88	163.6
6.300	3.34	7.38	2.97	8.22	HS 59.44	107.0
6.400	2.90	9.54	2.57	10.60	HS 51.37	92.5
6.500	2.94	12.79	2.60	14.20	HS 52.06	93.7
6.600	2.90	9.54	2.57	10.60	HS 51.36	92.4
6.700	3.34	7.38	2.97	8.23	HS 59.41	106.9
6.800	5.08	5.85	4.54	6.55	HS 90.82	163.5
6.900	12.66	4.23	11.40	4.77	HS 84.54	152.2
7.000	20.57	2.29	18.65	2.62	HS 45.86	82.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
7.000	20.57	2.29	18.65	2.62	HS 45.86	82.5
7.100	12.45	4.23	11.21	4.77	HS 84.52	152.1
7.200	5.08	5.84	4.54	6.54	HS 90.86	163.5
7.300	3.34	7.38	2.97	8.22	HS 59.46	107.0
7.400	2.90	9.53	2.57	10.59	HS 51.41	92.5
7.500	2.94	12.74	2.61	14.15	HS 52.13	93.8
7.600	2.90	9.53	2.57	10.59	HS 51.45	92.6
7.700	3.35	7.37	2.98	8.21	HS 59.56	107.2
7.800	5.09	5.83	4.55	6.53	HS 91.07	163.9
7.900	12.86	4.21	11.58	4.76	HS 84.27	151.7
8.000	20.96	2.28	19.01	2.61	HS 45.66	82.2
8.000	20.96	2.28	19.01	2.61	HS 45.66	82.2
8.100	12.57	4.22	11.32	4.76	HS 84.33	151.8
8.200	5.08	5.84	4.54	6.54	HS 90.88	163.6
8.300	3.34	7.39	2.97	8.23	HS 59.37	106.9
8.400	2.89	9.56	2.56	10.62	HS 51.23	92.2
8.500	2.93	13.01	2.59	14.44	HS 51.85	93.3
8.600	2.88	9.68	2.56	10.75	HS 51.10	92.0
8.700	3.32	7.50	2.95	8.35	HS 59.06	106.3
8.800	5.05	5.95	4.51	6.65	HS 90.24	162.4
8.900	12.44	4.29	11.19	4.83	HS 85.76	154.4
9.000	17.05	2.32	15.44	2.65	HS 46.47	83.6
9.000	17.05	2.32	15.44	2.65	HS 46.47	83.6
9.100	12.31	4.25	11.07	4.79	HS 84.96	152.9
9.200	5.08	5.84	4.54	6.54	HS 90.77	163.4
9.300	3.37	7.36	3.00	8.20	HS 59.94	107.9
9.400	2.95	9.48	2.62	10.54	HS 52.29	94.1
9.500	2.99	10.51	2.65	11.68	HS 53.10	95.6
9.600	2.97	7.69	2.64	8.56	HS 52.76	95.0
9.700	3.45	5.92	3.08	6.61	HS 61.54	110.8
9.800	5.30	4.66	4.76	5.23	HS 93.10	167.6
9.900	15.65	3.53	14.13	4.00	HS 70.53	127.0
10.000	21.15	2.08	19.24	2.39	HS 41.59	74.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	24.67	2.08	19.24	2.96	HS 41.59	74.9
10.100	15.99	4.75	14.31	5.40	HS 95.01	171.0
10.200	5.64	6.36	5.01	7.17	HS 100.18	180.3
10.300	3.44	7.70	3.03	8.62	HS 60.65	109.2
10.400	2.86	9.33	2.51	10.41	HS 50.11	90.2
10.500	2.64	11.46	2.31	12.75	HS 46.24	83.2
10.600	2.47	14.43	2.16	16.04	HS 43.19	77.7
10.700	2.50	19.11	2.18	21.25	HS 43.68	78.6
10.800	3.02	28.04	2.65	31.25	HS 52.94	95.3
10.900	5.10	53.99	4.50	60.43	HS 90.02	162.0
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	32.02	24.72	24.63	19.01
1.100	0.6	5.7	26.76	21.20	20.59	16.31
1.200	0.4	3.8	21.77	17.86	16.75	13.74
1.300	0.2	1.9	17.11	14.73	13.16	11.33
1.400	0.0	-0.1	12.86	11.81	9.89	9.09
1.500	-0.2	-2.0	-15.07	-13.93	-11.59	-10.71
1.600	-0.4	-3.9	-18.19	-16.67	-14.00	-12.82
1.700	-0.5	-5.8	-23.31	-19.35	-17.93	-14.88
1.800	-0.7	-7.7	-28.22	-21.94	-21.70	-16.88
1.900	-0.9	-9.7	-32.71	-24.40	-25.16	-18.77
2.000	-1.1	-11.6	-36.72	-26.68	-28.25	-20.52
2.000	0.8	-11.6	34.96	26.43	26.89	20.33
2.100	0.7	8.2	30.26	23.88	23.28	18.37
2.200	0.5	6.3	25.52	21.08	19.63	16.22
2.300	0.4	4.3	20.66	18.14	15.90	13.95
2.400	0.2	2.4	16.99	15.15	13.07	11.65
2.500	0.1	0.5	13.29	12.21	10.22	9.39
2.600	-0.1	-1.5	-16.75	-14.76	-12.88	-11.35
2.700	-0.2	-3.4	-20.51	-17.75	-15.77	-13.66
2.800	-0.4	-5.3	-25.34	-20.71	-19.49	-15.93
2.900	-0.6	-7.2	-30.06	-23.53	-23.12	-18.10
3.000	-0.7	-9.1	-34.48	-26.11	-26.52	-20.08
3.000	0.8	9.5	34.53	26.28	26.56	20.22
3.100	0.6	7.6	30.12	23.71	23.17	18.24
3.200	0.5	5.6	25.40	20.91	19.54	16.08
3.300	0.3	3.7	20.57	17.96	15.82	13.81
3.400	0.1	1.8	16.78	14.97	12.90	11.51
3.500	0.0	-0.1	13.12	-12.11	10.09	-9.32
3.600	-0.2	-2.1	-16.78	-15.05	-12.91	-11.57
3.700	-0.3	-4.0	-20.56	-18.03	-15.82	-13.87
3.800	-0.5	-5.9	-25.39	-20.98	-19.53	-16.14
3.900	-0.6	-7.8	-30.11	-23.79	-23.16	-18.30
4.000	-0.8	-9.7	-34.52	-26.36	-26.56	-20.28

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
4.000	0.8	-9.7	34.53	26.35	26.56	20.27
4.100	0.6	7.7	30.12	23.78	23.17	18.29
4.200	0.5	5.8	25.40	20.97	19.54	16.13
4.300	0.3	3.9	20.57	18.02	15.82	13.86
4.400	0.2	2.0	16.78	15.04	12.91	11.57
4.500	0.0	0.1	13.12	12.10	10.10	9.31
4.600	-0.2	-1.9	-16.78	-15.01	-12.91	-11.55
4.700	-0.3	-3.8	-20.57	-18.00	-15.82	-13.85
4.800	-0.5	-5.7	-25.40	-20.95	-19.54	-16.12
4.900	-0.6	-7.7	-30.11	-23.76	-23.17	-18.28
5.000	-0.8	-9.6	-34.53	-26.33	-26.56	-20.25
5.000	0.8	9.6	34.53	26.34	26.56	20.26
5.100	0.6	7.7	30.12	23.77	23.17	18.29
5.200	0.5	5.8	25.40	20.96	19.54	16.12
5.300	0.3	3.8	20.57	18.01	15.82	13.86
5.400	0.2	1.9	16.78	15.03	12.91	11.56
5.500	0.0	0.0	13.12	-12.10	10.10	-9.31
5.600	-0.2	-2.0	-16.78	-15.03	-12.91	-11.56
5.700	-0.3	-3.9	-20.57	-18.02	-15.82	-13.86
5.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
5.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
6.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27
6.000	0.8	9.6	34.53	26.35	26.56	20.27
6.100	0.6	7.7	30.12	23.78	23.17	18.29
6.200	0.5	5.8	25.40	20.97	19.54	16.13
6.300	0.3	3.9	20.57	18.02	15.82	13.86
6.400	0.2	2.0	16.78	15.03	12.91	11.56
6.500	0.0	0.0	13.12	12.10	10.10	9.31
6.600	-0.2	-1.9	-16.78	-15.03	-12.91	-11.56
6.700	-0.3	-3.8	-20.57	-18.01	-15.82	-13.86
6.800	-0.5	-5.8	-25.40	-20.96	-19.54	-16.12
6.900	-0.6	-7.7	-30.12	-23.77	-23.17	-18.29
7.000	-0.8	-9.6	-34.53	-26.34	-26.56	-20.26

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	34.53	26.33	26.56	20.25
7.100	0.6	7.7	30.11	23.76	23.17	18.28
7.200	0.5	5.7	25.40	20.95	19.54	16.12
7.300	0.3	3.8	20.57	18.00	15.82	13.85
7.400	0.2	1.9	16.78	15.01	12.91	11.55
7.500	0.0	0.0	13.12	-12.10	10.10	-9.31
7.600	-0.2	-2.0	-16.78	-15.04	-12.91	-11.57
7.700	-0.3	-3.9	-20.57	-18.02	-15.82	-13.86
7.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
7.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
8.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27
8.000	0.8	9.7	34.52	26.36	26.56	20.28
8.100	0.6	7.8	30.11	23.79	23.16	18.30
8.200	0.5	5.9	25.39	20.98	19.53	16.14
8.300	0.3	4.0	20.56	18.03	15.82	13.87
8.400	0.2	2.1	16.78	15.05	12.91	11.57
8.500	0.0	0.2	13.12	12.11	10.09	9.32
8.600	-0.1	-1.8	-16.78	-14.97	-12.90	-11.51
8.700	-0.3	-3.7	-20.57	-17.96	-15.82	-13.81
8.800	-0.5	-5.6	-25.40	-20.91	-19.54	-16.08
8.900	-0.6	-7.6	-30.12	-23.71	-23.17	-18.24
9.000	-0.8	-9.5	-34.53	-26.28	-26.56	-20.22
9.000	0.7	-9.5	34.48	26.11	26.52	20.08
9.100	0.6	7.2	30.06	23.53	23.12	18.10
9.200	0.4	5.3	25.34	20.71	19.49	15.93
9.300	0.2	3.4	20.51	17.75	15.77	13.66
9.400	0.1	1.5	16.75	14.76	12.88	11.35
9.500	-0.1	-0.5	-13.29	-12.21	-10.22	-9.39
9.600	-0.2	-2.4	-16.99	-15.15	-13.07	-11.65
9.700	-0.4	-4.3	-20.66	-18.14	-15.90	-13.95
9.800	-0.5	-6.3	-25.52	-21.08	-19.63	-16.22
9.900	-0.7	-8.2	-30.26	-23.88	-23.28	-18.37
10.000	-0.8	-10.1	-34.68	-26.43	-26.68	-20.33

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
10.000	1.1	11.6	36.72	26.68	28.25	20.52
10.100	0.9	9.7	32.71	24.40	25.16	18.77
10.200	0.7	7.7	28.22	21.94	21.70	16.88
10.300	0.5	5.8	23.31	19.35	17.93	14.88
10.400	0.4	3.9	18.19	16.67	14.00	12.82
10.500	0.2	2.0	15.07	13.93	11.59	10.71
10.600	0.0	0.1	-12.86	-11.81	-9.89	-9.09
10.700	-0.2	-1.9	-17.11	-14.73	-13.16	-11.33
10.800	-0.4	-3.8	-21.77	-17.86	-16.75	-13.74
10.900	-0.6	-5.7	-26.76	-21.20	-20.59	-16.31
11.000	-0.7	-7.6	-32.02	-24.72	-24.63	-19.01

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.7	124.0
1.100	172.1	-138.6	126.1
1.200	172.1	-136.5	128.2
1.300	172.1	-134.4	130.3
1.400	172.1	-132.3	132.4
1.500	172.1	-130.3	134.5
1.600	172.1	-128.1	136.7
1.700	172.1	-126.0	138.7
1.800	172.1	-123.9	140.8
1.900	172.1	-121.8	142.9
2.000	172.1	-119.7	145.0
2.000	151.3	-119.7	105.4
2.100	151.3	-125.2	107.5
2.200	151.3	-123.2	109.6
2.300	151.3	-121.1	111.6
2.400	151.3	-119.0	113.7
2.500	151.3	-117.0	115.8
2.600	151.3	-114.8	117.9
2.700	151.3	-112.8	120.0
2.800	151.3	-110.7	122.1
2.900	151.3	-108.6	124.1
3.000	151.3	-106.6	117.1
3.000	151.3	-106.6	106.1
3.100	151.3	-124.5	108.2
3.200	151.3	-122.5	110.3
3.300	151.3	-120.4	112.4
3.400	151.3	-118.3	114.4
3.500	151.3	-116.3	116.5
3.600	151.3	-114.1	118.6
3.700	151.3	-112.1	120.7
3.800	151.3	-110.0	122.8
3.900	151.3	-107.9	124.8
4.000	151.3	-105.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-105.8	106.0
4.100	151.3	-124.7	108.0
4.200	151.3	-122.6	110.1
4.300	151.3	-120.6	112.2
4.400	151.3	-118.5	114.2
4.500	151.3	-116.4	116.3
4.600	151.3	-114.3	118.4
4.700	151.3	-112.2	120.5
4.800	151.3	-110.2	122.6
4.900	151.3	-108.1	124.6
5.000	151.3	-106.0	117.1
5.000	151.3	-106.0	106.0
5.100	151.3	-124.7	108.1
5.200	151.3	-122.6	110.1
5.300	151.3	-120.5	112.2
5.400	151.3	-118.5	114.3
5.500	151.3	-116.4	116.4
5.600	151.3	-114.3	118.5
5.700	151.3	-112.2	120.6
5.800	151.3	-110.1	122.6
5.900	151.3	-108.1	124.7
6.000	151.3	-106.0	117.2
6.000	151.3	-106.0	106.0
6.100	151.3	-124.7	108.1
6.200	151.3	-122.6	110.1
6.300	151.3	-120.6	112.2
6.400	151.3	-118.5	114.3
6.500	151.3	-116.4	116.3
6.600	151.3	-114.3	118.5
6.700	151.3	-112.2	120.5
6.800	151.3	-110.1	122.6
6.900	151.3	-108.1	124.7
7.000	151.3	-106.0	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.0	106.0
7.100	151.3	-124.6	108.1
7.200	151.3	-122.6	110.2
7.300	151.3	-120.5	112.2
7.400	151.3	-118.4	114.3
7.500	151.3	-116.4	116.4
7.600	151.3	-114.2	118.5
7.700	151.3	-112.2	120.6
7.800	151.3	-110.1	122.6
7.900	151.3	-108.0	124.7
8.000	151.3	-106.0	117.2
8.000	151.3	-106.0	105.8
8.100	151.3	-124.8	107.9
8.200	151.3	-122.8	110.0
8.300	151.3	-120.7	112.1
8.400	151.3	-118.6	114.1
8.500	151.3	-116.6	116.2
8.600	151.3	-114.4	118.3
8.700	151.3	-112.4	120.4
8.800	151.3	-110.3	122.5
8.900	151.3	-108.2	124.5
9.000	151.3	-106.1	117.1
9.000	151.3	-106.1	106.6
9.100	151.3	-124.1	108.6
9.200	151.3	-122.1	110.7
9.300	151.3	-120.0	112.8
9.400	151.3	-117.9	114.8
9.500	151.3	-115.8	116.9
9.600	151.3	-113.7	119.0
9.700	151.3	-111.6	121.1
9.800	151.3	-109.6	123.2
9.900	151.3	-107.5	125.2
10.000	151.3	-105.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-105.4	119.7
10.100	172.1	-142.9	121.8
10.200	172.1	-140.8	123.9
10.300	172.1	-138.7	126.0
10.400	172.1	-136.7	128.1
10.500	172.1	-134.6	130.2
10.600	172.1	-132.4	132.3
10.700	172.1	-130.3	134.4
10.800	172.1	-128.2	136.5
10.900	172.1	-126.1	138.6
11.000	172.1	-124.0	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	58.71	3.87	HS 77.46	139.4
1.100	43.82	4.71	HS 94.24	169.6
1.200	23.25	5.89	HS 117.78	212.0
1.300	15.41	7.61	HS 152.28	274.1
1.400	11.54	10.29	HS 205.89	370.6
1.500	8.65	13.86	HS 172.91	311.2
1.600	7.04	20.25	HS 140.80	253.4
1.700	5.41	29.92	HS 108.12	194.6
1.800	4.39	49.79	HS 87.82	158.1
1.900	3.72	106.52	HS 74.48	134.1
2.000	3.26	225.81	HS 65.20	117.4
2.000	3.26	3.02	HS 60.33	108.6
2.100	41.81	3.55	HS 71.06	127.9
2.200	29.38	4.29	HS 85.87	154.6
2.300	18.75	5.40	HS 108.06	194.5
2.400	13.19	6.69	HS 133.87	241.0
2.500	8.94	8.71	HS 174.24	313.6
2.600	6.86	12.54	HS 137.11	246.8
2.700	5.50	17.59	HS 109.97	197.9
2.800	4.37	26.90	HS 87.38	157.3
2.900	3.61	32.82	HS 72.27	130.1
3.000	3.09	30.96	HS 61.81	111.2
3.000	3.09	3.07	HS 61.49	110.7
3.100	38.58	3.59	HS 71.86	129.4
3.200	27.40	4.34	HS 86.84	156.3
3.300	17.85	5.46	HS 109.23	196.6
3.400	12.70	6.82	HS 136.42	245.5
3.500	8.86	8.88	HS 177.20	319.0
3.600	6.80	12.84	HS 136.05	244.9
3.700	5.45	18.11	HS 108.98	196.2
3.800	4.33	27.97	HS 86.63	155.9
3.900	3.58	39.82	HS 71.68	129.0
4.000	3.07	37.91	HS 61.32	110.4

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.07	3.07	HS 61.32	110.4
4.100	39.07	3.59	HS 71.74	129.1
4.200	27.65	4.34	HS 86.69	156.1
4.300	17.97	5.45	HS 109.06	196.3
4.400	12.77	6.81	HS 136.16	245.1
4.500	8.87	8.86	HS 177.23	319.0
4.600	6.81	12.73	HS 136.26	245.3
4.700	5.46	17.90	HS 109.15	196.5
4.800	4.34	27.49	HS 86.76	156.2
4.900	3.59	38.78	HS 71.80	129.2
5.000	3.07	36.96	HS 61.42	110.6
5.000	3.07	3.07	HS 61.41	110.5
5.100	38.82	3.59	HS 71.78	129.2
5.200	27.51	4.34	HS 86.74	156.1
5.300	17.91	5.46	HS 109.12	196.4
5.400	12.73	6.81	HS 136.22	245.2
5.500	8.87	8.86	HS 177.31	319.2
5.600	6.81	12.75	HS 136.19	245.1
5.700	5.45	17.93	HS 109.09	196.4
5.800	4.34	27.57	HS 86.72	156.1
5.900	3.59	38.92	HS 71.76	129.2
6.000	3.07	37.07	HS 61.39	110.5
6.000	3.07	3.07	HS 61.39	110.5
6.100	38.92	3.59	HS 71.76	129.2
6.200	27.57	4.34	HS 86.72	156.1
6.300	17.93	5.45	HS 109.09	196.4
6.400	12.75	6.81	HS 136.19	245.1
6.500	8.87	8.86	HS 177.27	319.1
6.600	6.81	12.73	HS 136.22	245.2
6.700	5.46	17.91	HS 109.12	196.4
6.800	4.34	27.51	HS 86.74	156.1
6.900	3.59	38.82	HS 71.78	129.2
7.000	3.07	36.98	HS 61.41	110.5

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.07	3.07	HS 61.41	110.5
7.100	38.78	3.59	HS 71.80	129.2
7.200	27.49	4.34	HS 86.76	156.2
7.300	17.90	5.46	HS 109.15	196.5
7.400	12.73	6.81	HS 136.26	245.3
7.500	8.87	8.87	HS 177.33	319.2
7.600	6.81	12.77	HS 136.16	245.1
7.700	5.45	17.97	HS 109.06	196.3
7.800	4.34	27.65	HS 86.69	156.1
7.900	3.59	39.07	HS 71.74	129.1
8.000	3.07	37.21	HS 61.38	110.5
8.000	3.07	3.07	HS 61.32	110.4
8.100	39.82	3.58	HS 71.68	129.0
8.200	27.97	4.33	HS 86.63	155.9
8.300	18.11	5.45	HS 108.98	196.2
8.400	12.84	6.80	HS 136.05	244.9
8.500	8.88	8.85	HS 177.10	318.8
8.600	6.82	12.70	HS 136.42	245.5
8.700	5.46	17.85	HS 109.23	196.6
8.800	4.34	27.40	HS 86.84	156.3
8.900	3.59	38.58	HS 71.86	129.4
9.000	3.07	36.78	HS 61.49	110.7
9.000	3.07	3.09	HS 61.49	110.7
9.100	34.09	3.61	HS 72.27	130.1
9.200	26.90	4.37	HS 87.38	157.3
9.300	17.59	5.50	HS 109.97	197.9
9.400	12.54	6.86	HS 137.11	246.8
9.500	8.72	8.94	HS 174.34	313.8
9.600	6.69	13.19	HS 133.87	241.0
9.700	5.40	18.75	HS 108.06	194.5
9.800	4.29	29.38	HS 85.87	154.6
9.900	3.55	40.06	HS 71.06	127.9
10.000	3.04	37.50	HS 60.81	109.5

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.04	3.26	HS 60.81	109.5
10.100	106.52	3.72	HS 74.48	134.1
10.200	49.79	4.39	HS 87.82	158.1
10.300	29.92	5.41	HS 108.12	194.6
10.400	20.25	7.04	HS 140.80	253.4
10.500	13.87	8.64	HS 172.82	311.1
10.600	10.29	11.54	HS 205.89	370.6
10.700	7.61	15.41	HS 152.28	274.1
10.800	5.89	23.25	HS 117.78	212.0
10.900	4.71	43.82	HS 94.24	169.6
11.000	3.87	56.33	HS 77.46	139.4

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 50.5	332.2	332.2	-332.2	-332.2	313.9	313.9	-350.5	-3
1.200 63.5	332.2	332.2	-332.2	-332.2	300.9	300.9	-363.5	-3
1.300 71.3	332.2	332.2	-332.2	-332.2	293.1	293.1	-371.3	-3
1.400 73.9	332.2	332.2	-332.2	-332.2	290.5	290.5	-373.9	-3
1.500 71.2	332.2	332.2	-332.2	-332.2	293.2	293.2	-371.2	-3
1.600 63.1	332.2	332.2	-332.2	-332.2	301.3	301.3	-363.1	-3
1.700 49.8	332.2	332.2	-332.2	-332.2	314.6	314.6	-349.8	-3
1.800 31.2	332.2	332.2	-332.2	-332.2	333.2	333.2	-331.2	-3
1.900 07.4	332.2	332.2	-332.2	-332.2	357.0	357.0	-307.4	-3
2.000 78.4	332.2	332.2	-332.2	-332.2	386.0	386.0	-278.4	-2
2.000 25.6	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
2.100 50.3	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
2.200 69.9	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
2.300 84.3	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
2.400 93.5	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
2.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
2.600 96.3	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
2.700 89.8	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
2.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
2.900 61.4	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2

3.000 39.4	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
3.000 39.4	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
3.100 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
3.200 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
3.300 92.9	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
3.400 00.3	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
3.500 02.6	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
3.600 99.6	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
3.700 91.4	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
3.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
3.900 59.4	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
4.100 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
4.200 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
4.300 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
4.400 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
4.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
4.600 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
4.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
4.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
4.900 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.300 91.2	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
5.400 99.0	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
5.500 01.6	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
5.600 98.9	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
5.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
5.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
5.900 59.8	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2

6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.100	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2
59.8								
6.200	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
78.0								
6.300	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
6.400	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
98.9								
6.500	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
01.6								
6.600	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
99.0								
6.700	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
91.2								
6.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.900	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
60.0								
7.000	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
36.7								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
7.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
7.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
7.300 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
7.400 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
7.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
7.600 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
7.700 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
7.800 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
7.900 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
8.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
8.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
8.100 59.4	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
8.200 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
8.300 91.4	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
8.400 99.6	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
8.500 02.6	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
8.600 00.3	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
8.700 92.9	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
8.800 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
8.900 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2

9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.100	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2
61.4								
9.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
9.300	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
89.8								
9.400	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
96.3								
9.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
97.5								
9.600	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
93.5								
9.700	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
84.3								
9.800	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
69.9								
9.900	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
50.3								
10.000	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
25.6								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	4.69	56.03	4.69	56.03	HS 93.84	168.9
1.200	2.76	29.06	2.76	29.06	HS 55.29	99.5
1.300	2.28	19.79	2.28	19.79	HS 45.67	82.2
1.400	2.26	14.94	2.26	14.94	HS 45.18	81.3
1.500	2.42	11.87	2.42	11.87	HS 48.35	87.0
1.600	2.62	9.68	2.62	9.68	HS 52.33	94.2
1.700	3.16	7.99	3.16	7.99	HS 63.22	113.8
1.800	5.21	6.62	5.21	6.62	HS 104.18	187.5
1.900	15.12	4.96	15.12	4.96	HS 99.13	178.4
2.000	23.03	2.68	23.03	2.68	HS 53.56	96.4
2.000	19.88	2.17	19.88	2.17	HS 43.40	78.1
2.100	14.35	3.68	14.35	3.68	HS 73.70	132.7
2.200	4.94	4.85	4.94	4.85	HS 96.96	174.5
2.300	3.20	6.15	3.20	6.15	HS 64.04	115.3
2.400	2.75	7.99	2.75	7.99	HS 54.99	99.0
2.500	2.77	10.90	2.77	10.90	HS 55.38	99.7
2.600	2.73	9.83	2.73	9.83	HS 54.53	98.1
2.700	3.12	7.64	3.12	7.64	HS 62.43	112.4
2.800	4.72	6.08	4.72	6.08	HS 94.38	169.9
2.900	11.68	4.43	11.68	4.43	HS 88.61	159.5
3.000	15.98	2.43	15.98	2.43	HS 48.65	87.6
3.000	15.98	2.43	15.98	2.43	HS 48.65	87.6
3.100	11.41	4.47	11.41	4.47	HS 89.42	161.0
3.200	4.69	6.18	4.69	6.18	HS 93.86	168.9
3.300	3.08	7.79	3.08	7.79	HS 61.54	110.8
3.400	2.67	10.04	2.67	10.04	HS 53.31	96.0
3.500	2.71	13.49	2.71	13.49	HS 54.12	97.4
3.600	2.67	9.92	2.67	9.92	HS 53.45	96.2
3.700	3.09	7.67	3.09	7.67	HS 61.85	111.3
3.800	4.72	6.08	4.72	6.08	HS 94.50	170.1
3.900	11.94	4.40	11.94	4.40	HS 87.97	158.4
4.000	19.67	2.39	19.67	2.39	HS 47.84	86.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	19.67	2.39	19.67	2.39	HS 47.84	86.1
4.100	11.81	4.40	11.81	4.40	HS 87.92	158.2
4.200	4.73	6.07	4.73	6.07	HS 94.69	170.4
4.300	3.10	7.65	3.10	7.65	HS 62.04	111.7
4.400	2.68	9.88	2.68	9.88	HS 53.67	96.6
4.500	2.72	13.22	2.72	13.22	HS 54.40	97.9
4.600	2.68	9.89	2.68	9.89	HS 53.63	96.5
4.700	3.10	7.66	3.10	7.66	HS 61.94	111.5
4.800	4.72	6.08	4.72	6.08	HS 94.48	170.1
4.900	11.83	4.41	11.83	4.41	HS 88.16	158.7
5.000	19.30	2.40	19.30	2.40	HS 48.04	86.5
5.000	19.30	2.40	19.30	2.40	HS 48.04	86.5
5.100	11.62	4.41	11.62	4.41	HS 88.19	158.7
5.200	4.72	6.08	4.72	6.08	HS 94.43	170.0
5.300	3.10	7.67	3.10	7.67	HS 61.90	111.4
5.400	2.68	9.90	2.68	9.90	HS 53.57	96.4
5.500	2.72	13.27	2.72	13.27	HS 54.33	97.8
5.600	2.68	9.90	2.68	9.90	HS 53.58	96.5
5.700	3.10	7.66	3.10	7.66	HS 61.93	111.5
5.800	4.72	6.08	4.72	6.08	HS 94.50	170.1
5.900	11.86	4.41	11.86	4.41	HS 88.09	158.6
6.000	19.40	2.40	19.40	2.40	HS 47.97	86.3
6.000	19.40	2.40	19.40	2.40	HS 47.97	86.3
6.100	11.66	4.41	11.66	4.41	HS 88.09	158.6
6.200	4.72	6.08	4.72	6.08	HS 94.50	170.1
6.300	3.10	7.66	3.10	7.66	HS 61.93	111.5
6.400	2.68	9.90	2.68	9.90	HS 53.58	96.5
6.500	2.72	13.27	2.72	13.27	HS 54.33	97.8
6.600	2.68	9.90	2.68	9.90	HS 53.57	96.4
6.700	3.10	7.67	3.10	7.67	HS 61.90	111.4
6.800	4.72	6.08	4.72	6.08	HS 94.43	170.0
6.900	11.82	4.41	11.82	4.41	HS 88.19	158.7
7.000	19.30	2.40	19.30	2.40	HS 48.04	86.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	19.30	2.40	19.30	2.40	HS 48.04	86.5
7.100	11.63	4.41	11.63	4.41	HS 88.16	158.7
7.200	4.72	6.08	4.72	6.08	HS 94.48	170.1
7.300	3.10	7.66	3.10	7.66	HS 61.94	111.5
7.400	2.68	9.89	2.68	9.89	HS 53.63	96.5
7.500	2.72	13.22	2.72	13.22	HS 54.40	97.9
7.600	2.68	9.88	2.68	9.88	HS 53.67	96.6
7.700	3.10	7.65	3.10	7.65	HS 62.04	111.7
7.800	4.73	6.07	4.73	6.07	HS 94.69	170.4
7.900	12.01	4.40	12.01	4.40	HS 87.92	158.2
8.000	19.67	2.39	19.67	2.39	HS 47.84	86.1
8.000	19.67	2.39	19.67	2.39	HS 47.84	86.1
8.100	11.74	4.40	11.74	4.40	HS 87.97	158.4
8.200	4.72	6.08	4.72	6.08	HS 94.50	170.1
8.300	3.09	7.67	3.09	7.67	HS 61.85	111.3
8.400	2.67	9.92	2.67	9.92	HS 53.45	96.2
8.500	2.71	13.49	2.71	13.49	HS 54.12	97.4
8.600	2.67	10.04	2.67	10.04	HS 53.31	96.0
8.700	3.08	7.79	3.08	7.79	HS 61.54	110.8
8.800	4.69	6.18	4.69	6.18	HS 93.86	168.9
8.900	11.61	4.47	11.61	4.47	HS 89.42	161.0
9.000	15.98	2.43	15.98	2.43	HS 48.65	87.6
9.000	15.98	2.43	15.98	2.43	HS 48.65	87.6
9.100	11.49	4.43	11.49	4.43	HS 88.61	159.5
9.200	4.72	6.08	4.72	6.08	HS 94.38	169.9
9.300	3.12	7.64	3.12	7.64	HS 62.43	112.4
9.400	2.73	9.83	2.73	9.83	HS 54.53	98.1
9.500	2.77	10.90	2.77	10.90	HS 55.38	99.7
9.600	2.75	7.99	2.75	7.99	HS 54.99	99.0
9.700	3.20	6.15	3.20	6.15	HS 64.04	115.3
9.800	4.94	4.85	4.94	4.85	HS 96.96	174.5
9.900	14.64	3.68	14.64	3.68	HS 73.70	132.7
10.000	19.88	2.18	19.88	2.18	HS 43.67	78.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	19.88	2.18	19.88	2.18	HS 43.67	78.6
10.100	14.84	4.96	14.84	4.96	HS 99.13	178.4
10.200	5.21	6.62	5.21	6.62	HS 104.18	187.5
10.300	3.16	7.99	3.16	7.99	HS 63.22	113.8
10.400	2.62	9.68	2.62	9.68	HS 52.33	94.2
10.500	2.42	11.87	2.42	11.87	HS 48.35	87.0
10.600	2.26	14.94	2.26	14.94	HS 45.18	81.3
10.700	2.28	19.79	2.28	19.79	HS 45.67	82.2
10.800	2.76	29.06	2.76	29.06	HS 55.29	99.5
10.900	4.69	56.03	4.69	56.03	HS 93.84	168.9
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.7	40.11 R	0.00	30.86	0.00
1.200	2.8	28.5	67.31 R	0.00	51.78	0.00
1.300	3.5	35.6	82.40 R	0.00	63.39	0.00
1.400	3.7	38.0	86.55 R	0.00	66.58	0.00
1.500	3.5	35.5	82.85 L	0.00	63.73	0.00
1.600	2.8	28.1	77.81 L	0.00	59.86	0.00
1.700	1.7	15.9	63.30 L	0.00	48.69	0.00
1.800	0.1	-1.1	41.11 L	0.00	31.62	0.00
1.900	-2.0	-22.8	-36.69 R	0.00	-28.22	0.00
2.000	-4.5	-49.4	-44.89 L	0.00	-34.53	0.00
2.000	-4.5	-49.4	-44.89 L	0.00	-34.53	0.00
2.100	-2.6	-26.5	-39.20 L	0.00	-30.15	0.00
2.200	-1.0	-8.5	37.81 R	0.00	29.08	0.00
2.300	0.1	4.8	55.98 R	0.00	43.07	0.00
2.400	0.8	13.3	65.95 R	0.00	50.73	0.00
2.500	1.2	17.0	67.18 R	0.00	51.67	0.00
2.600	1.1	15.7	66.15 L	0.00	50.88	0.00
2.700	0.7	9.7	56.41 L	0.00	43.39	0.00
2.800	-0.1	-1.1	38.40 L	0.00	29.53	0.00
2.900	-1.3	-16.7	-34.91 R	0.00	-26.86	0.00
3.000	-2.9	-37.0	-40.01 R	0.00	-30.77	0.00
3.000	-2.9	-37.0	-40.01 R	0.00	-30.77	0.00
3.100	-1.2	-15.8	-34.72 L	0.00	-26.71	0.00
3.200	0.1	0.7	38.35 R	0.00	29.50	0.00
3.300	1.0	12.4	56.46 R	0.00	43.43	0.00
3.400	1.6	19.3	66.30 R	0.00	51.00	0.00
3.500	1.7	21.5	67.40 R	0.00	51.85	0.00
3.600	1.5	18.7	66.32 L	0.00	51.01	0.00
3.700	0.9	11.1	56.49 L	0.00	43.45	0.00
3.800	-0.1	-1.3	38.39 L	0.00	29.53	0.00
3.900	-1.5	-18.4	-34.88 R	0.00	-26.83	0.00
4.000	-3.3	-40.3	-39.95 R	0.00	-30.73	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.3	-39.95 R 0.00	-30.73 0.00
4.100	-1.6	-18.7	-34.87 L 0.00	-26.82 0.00
4.200	-0.2	-1.8	38.38 R 0.00	29.53 0.00
4.300	0.8	10.4	56.49 R 0.00	43.45 0.00
4.400	1.4	17.7	66.33 R 0.00	51.02 0.00
4.500	1.6	20.3	67.42 R 0.00	51.86 0.00
4.600	1.4	17.9	66.33 L 0.00	51.02 0.00
4.700	0.8	10.7	56.49 L 0.00	43.45 0.00
4.800	-0.1	-1.2	38.39 L 0.00	29.53 0.00
4.900	-1.5	-17.9	-34.88 R 0.00	-26.83 0.00
5.000	-3.2	-39.4	-39.95 R 0.00	-30.73 0.00
5.000	-3.2	-39.4	-39.95 R 0.00	-30.73 0.00
5.100	-1.5	-17.9	-34.88 L 0.00	-26.83 0.00
5.200	-0.1	-1.1	38.39 R 0.00	29.53 0.00
5.300	0.9	10.9	56.49 R 0.00	43.46 0.00
5.400	1.4	18.1	66.33 R 0.00	51.02 0.00
5.500	1.6	20.6	67.42 L 0.00	51.86 0.00
5.600	1.4	18.1	66.33 L 0.00	51.02 0.00
5.700	0.8	10.8	56.49 L 0.00	43.46 0.00
5.800	-0.1	-1.3	38.39 L 0.00	29.53 0.00
5.900	-1.5	-18.1	-34.88 R 0.00	-26.83 0.00
6.000	-3.3	-39.7	-39.95 L 0.00	-30.73 0.00
6.000	-3.3	-39.7	-39.95 L 0.00	-30.73 0.00
6.100	-1.5	-18.1	-34.88 L 0.00	-26.83 0.00
6.200	-0.1	-1.3	38.39 R 0.00	29.53 0.00
6.300	0.8	10.8	56.49 R 0.00	43.46 0.00
6.400	1.4	18.1	66.33 R 0.00	51.02 0.00
6.500	1.6	20.6	67.42 L 0.00	51.86 0.00
6.600	1.4	18.1	66.33 L 0.00	51.02 0.00
6.700	0.9	10.9	56.49 L 0.00	43.46 0.00
6.800	-0.1	-1.1	38.39 L 0.00	29.53 0.00
6.900	-1.5	-17.9	-34.88 R 0.00	-26.83 0.00
7.000	-3.2	-39.4	-39.95 L 0.00	-30.73 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.4	-39.95 L 0.00	-30.73 0.00
7.100	-1.5	-17.9	-34.88 L 0.00	-26.83 0.00
7.200	-0.1	-1.2	38.39 R 0.00	29.53 0.00
7.300	0.8	10.7	56.49 R 0.00	43.46 0.00
7.400	1.4	17.9	66.33 R 0.00	51.02 0.00
7.500	1.6	20.3	67.42 L 0.00	51.86 0.00
7.600	1.4	17.7	66.33 L 0.00	51.02 0.00
7.700	0.8	10.4	56.49 L 0.00	43.45 0.00
7.800	-0.2	-1.8	38.38 L 0.00	29.53 0.00
7.900	-1.6	-18.7	-34.87 R 0.00	-26.82 0.00
8.000	-3.3	-40.3	-39.95 L 0.00	-30.73 0.00
8.000	-3.3	-40.3	-39.95 L 0.00	-30.73 0.00
8.100	-1.5	-18.4	-34.88 L 0.00	-26.83 0.00
8.200	-0.1	-1.3	38.39 R 0.00	29.53 0.00
8.300	0.9	11.1	56.49 R 0.00	43.45 0.00
8.400	1.5	18.7	66.32 R 0.00	51.01 0.00
8.500	1.7	21.5	67.40 L 0.00	51.85 0.00
8.600	1.6	19.3	66.30 L 0.00	51.00 0.00
8.700	1.0	12.4	56.46 L 0.00	43.43 0.00
8.800	0.1	0.7	38.35 L 0.00	29.50 0.00
8.900	-1.2	-15.8	-34.72 R 0.00	-26.71 0.00
9.000	-2.9	-37.0	-40.01 L 0.00	-30.77 0.00
9.000	-2.9	-37.0	-40.01 L 0.00	-30.77 0.00
9.100	-1.3	-16.7	-34.91 L 0.00	-26.86 0.00
9.200	-0.1	-1.1	38.40 R 0.00	29.54 0.00
9.300	0.7	9.7	56.41 R 0.00	43.39 0.00
9.400	1.1	15.7	66.15 R 0.00	50.88 0.00
9.500	1.2	17.0	67.18 L 0.00	51.67 0.00
9.600	0.8	13.3	65.95 L 0.00	50.73 0.00
9.700	0.1	4.8	55.98 L 0.00	43.07 0.00
9.800	-1.0	-8.5	37.81 L 0.00	29.08 0.00
9.900	-2.6	-26.5	-39.20 R 0.00	-30.15 0.00
10.000	-4.5	-49.4	-44.89 R 0.00	-34.53 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	
10.000	-4.5	-49.4	-44.89	R	0.00	-34.53	0.00
10.100	-2.0	-22.8	-36.69	L	0.00	-28.22	0.00
10.200	0.1	-1.1	41.11	R	0.00	31.62	0.00
10.300	1.7	15.9	63.30	R	0.00	48.69	0.00
10.400	2.8	28.1	77.81	R	0.00	59.86	0.00
10.500	3.5	35.5	82.85	R	0.00	63.73	0.00
10.600	3.7	38.0	86.55	L	0.00	66.58	0.00
10.700	3.5	35.6	82.40	L	0.00	63.39	0.00
10.800	2.8	28.5	67.31	L	0.00	51.78	0.00
10.900	1.6	16.7	40.11	L	0.00	30.86	0.00
11.000	0.0	0.0	0.00	R	0.00	0.00	0.00

7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	3.100	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.
5	3.200	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
1	3.300	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
6	3.400	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8	3.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8	3.600	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
6	3.700	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
2	3.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
7	3.900	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
0	4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
4.100	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
4.200	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
4.300	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
4.400	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
4.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
4.600	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
4.700	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
4.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4.900	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.100	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
5.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.300	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
5.400	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
5.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
5.600	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
5.700	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
5.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
5.900	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.

6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
0	6.100	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.
2	6.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
3	6.300	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
1	6.400	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
8	6.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
2	6.600	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
4	6.700	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
4	6.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
3	6.900	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
0	7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

2F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
0	7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
2	7.100	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
3	7.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
2	7.300	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
9	7.400	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
5	7.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
7	7.600	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
8	7.700	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
7	7.800	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
4	7.900	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
0	8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
0	8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
7	8.100	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
2	8.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
6	8.300	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
8	8.400	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
8	8.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
6	8.600	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
1	8.700	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
5	8.800	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
6	8.900	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.

7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	9.100	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.
4	9.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
0	9.300	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
5	9.400	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
8	9.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
7	9.600	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
5	9.700	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
1	9.800	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
6	9.900	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
8	10.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	8.51	82.84	7.51	92.71	0.00	112.6
1.200	4.88	43.02	4.28	47.96	0.00	64.2
1.300	3.89	29.32	3.40	32.61	0.00	51.0
1.400	3.67	22.14	3.21	24.61	0.00	48.1
1.500	3.87	17.58	3.38	19.56	0.00	50.8
1.600	4.22	14.32	3.71	15.97	0.00	55.6
1.700	5.40	11.81	4.77	13.22	0.00	71.5
1.800	8.77	9.76	7.79	11.00	0.00	116.9
1.900	28.76	8.03	25.75	9.13	0.00	120.5
2.000	37.86	5.92	34.17	6.81	0.00	88.7
2.000	32.45	4.79	29.52	5.50	0.00	71.8
2.100	25.47	6.11	23.00	6.93	0.00	91.7
2.200	8.20	7.73	7.36	8.69	0.00	110.4
2.300	5.28	9.83	4.71	10.98	0.00	70.7
2.400	4.34	12.78	3.86	14.23	0.00	57.9
2.500	4.20	17.45	3.73	19.40	0.00	55.9
2.600	4.29	14.54	3.81	16.17	0.00	57.1
2.700	5.14	11.29	4.58	12.58	0.00	68.7
2.800	7.86	8.97	7.03	10.04	0.00	105.4
2.900	23.52	7.18	21.16	8.10	0.00	107.7
3.000	28.32	5.72	25.66	6.52	0.00	85.7
3.000	28.32	5.72	25.66	6.52	0.00	85.7
3.100	23.62	7.25	21.24	8.17	0.00	108.7
3.200	7.82	9.08	6.99	10.16	0.00	104.8
3.300	5.09	11.45	4.52	12.75	0.00	67.8
3.400	4.22	14.78	3.74	16.41	0.00	56.0
3.500	4.12	19.97	3.64	22.16	0.00	54.6
3.600	4.23	14.67	3.75	16.30	0.00	56.2
3.700	5.11	11.34	4.54	12.63	0.00	68.2
3.800	7.87	8.96	7.03	10.03	0.00	105.5
3.900	23.76	7.13	21.39	8.05	0.00	106.9
4.000	32.17	5.63	29.18	6.43	0.00	84.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
4.000	32.17	5.63	29.18	6.43	84.5
4.100	23.80	7.12	21.42	8.04	106.9
4.200	7.88	8.95	7.05	10.02	105.7
4.300	5.12	11.31	4.56	12.60	68.4
4.400	4.24	14.62	3.76	16.25	56.4
4.500	4.14	19.87	3.66	22.06	54.9
4.600	4.24	14.63	3.76	16.25	56.4
4.700	5.12	11.32	4.55	12.61	68.3
4.800	7.87	8.97	7.03	10.04	105.5
4.900	23.73	7.14	21.36	8.06	107.2
5.000	32.07	5.66	29.08	6.46	84.9
5.000	32.07	5.66	29.08	6.46	84.9
5.100	23.73	7.15	21.35	8.06	107.2
5.200	7.86	8.97	7.03	10.04	105.5
5.300	5.11	11.33	4.55	12.62	68.2
5.400	4.24	14.64	3.76	16.26	56.3
5.500	4.13	19.89	3.66	22.08	54.8
5.600	4.24	14.64	3.76	16.26	56.3
5.700	5.12	11.32	4.55	12.62	68.2
5.800	7.87	8.96	7.03	10.03	105.5
5.900	23.75	7.14	21.38	8.06	107.1
6.000	32.10	5.65	29.12	6.45	84.7
6.000	32.10	5.65	29.12	6.45	84.7
6.100	23.75	7.14	21.38	8.06	107.1
6.200	7.87	8.96	7.03	10.03	105.5
6.300	5.12	11.32	4.55	12.62	68.2
6.400	4.24	14.64	3.76	16.26	56.3
6.500	4.13	19.89	3.66	22.08	54.8
6.600	4.24	14.64	3.76	16.26	56.3
6.700	5.11	11.33	4.55	12.62	68.2
6.800	7.86	8.97	7.03	10.04	105.5
6.900	23.73	7.15	21.35	8.06	107.2
7.000	32.07	5.66	29.08	6.46	84.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
7.000	32.07	5.66	29.08	6.46	0.00	84.9
7.100	23.73	7.14	21.36	8.06	0.00	107.2
7.200	7.87	8.97	7.03	10.04	0.00	105.5
7.300	5.12	11.32	4.55	12.61	0.00	68.3
7.400	4.24	14.63	3.76	16.25	0.00	56.4
7.500	4.14	19.87	3.66	22.06	0.00	54.9
7.600	4.24	14.62	3.76	16.25	0.00	56.4
7.700	5.12	11.31	4.56	12.60	0.00	68.4
7.800	7.88	8.95	7.05	10.02	0.00	105.8
7.900	23.80	7.12	21.42	8.04	0.00	106.9
8.000	32.16	5.63	29.18	6.43	0.00	84.5
8.000	32.16	5.63	29.18	6.43	0.00	84.5
8.100	23.76	7.13	21.39	8.05	0.00	106.9
8.200	7.87	8.96	7.03	10.03	0.00	105.5
8.300	5.11	11.34	4.54	12.63	0.00	68.2
8.400	4.23	14.67	3.75	16.30	0.00	56.2
8.500	4.12	19.97	3.64	22.16	0.00	54.6
8.600	4.22	14.78	3.74	16.41	0.00	56.0
8.700	5.09	11.45	4.52	12.75	0.00	67.8
8.800	7.82	9.08	6.99	10.16	0.00	104.8
8.900	23.62	7.25	21.24	8.17	0.00	108.7
9.000	28.32	5.72	25.66	6.52	0.00	85.7
9.000	28.32	5.72	25.66	6.52	0.00	85.7
9.100	23.52	7.18	21.16	8.10	0.00	107.7
9.200	7.86	8.97	7.03	10.04	0.00	105.4
9.300	5.14	11.29	4.58	12.58	0.00	68.7
9.400	4.29	14.54	3.81	16.17	0.00	57.1
9.500	4.20	17.45	3.73	19.40	0.00	55.9
9.600	4.34	12.78	3.86	14.23	0.00	57.9
9.700	5.28	9.83	4.71	10.98	0.00	70.7
9.800	8.20	7.73	7.36	8.69	0.00	110.4
9.900	25.47	6.11	23.00	6.93	0.00	91.7
10.000	32.45	4.79	29.52	5.50	0.00	71.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	37.85	4.79	29.52	6.81	0.00	71.8
10.100	28.76	8.03	25.75	9.13	0.00	120.5
10.200	8.77	9.76	7.79	11.00	0.00	116.9
10.300	5.40	11.81	4.77	13.22	0.00	71.5
10.400	4.22	14.32	3.71	15.97	0.00	55.6
10.500	3.87	17.58	3.38	19.56	0.00	50.8
10.600	3.67	22.14	3.21	24.61	0.00	48.1
10.700	3.89	29.32	3.40	32.61	0.00	51.0
10.800	4.88	43.02	4.28	47.96	0.00	64.2
10.900	8.51	82.84	7.51	92.71	0.00	112.6
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	18.71	0.00	14.39	0.00
1.100	0.6	5.7	16.05	0.00	12.34	0.00
1.200	0.4	3.8	13.46	0.00	10.36	0.00
1.300	0.2	1.9	10.99	0.00	8.45	0.00
1.400	0.0	-0.1	8.65	0.00	6.66	0.00
1.500	-0.2	-2.0	-9.72	0.00	-7.47	0.00
1.600	-0.4	-3.9	-12.15	0.00	-9.34	0.00
1.700	-0.5	-5.8	-14.43	0.00	-11.10	0.00
1.800	-0.7	-7.7	-16.52	0.00	-12.71	0.00
1.900	-0.9	-9.7	-18.39	0.00	-14.15	0.00
2.000	-1.1	-11.6	-20.02	0.00	-15.40	0.00
2.000	0.8	-11.6	19.64	0.00	15.11	0.00
2.100	0.7	8.2	17.51	0.00	13.47	0.00
2.200	0.5	6.3	15.29	0.00	11.76	0.00
2.300	0.4	4.3	12.90	0.00	9.92	0.00
2.400	0.2	2.4	10.44	0.00	8.03	0.00
2.500	0.1	0.5	8.01	0.00	6.16	0.00
2.600	-0.1	-1.5	-10.36	0.00	-7.97	0.00
2.700	-0.2	-3.4	-12.82	0.00	-9.86	0.00
2.800	-0.4	-5.3	-15.22	0.00	-11.71	0.00
2.900	-0.6	-7.2	-17.46	0.00	-13.43	0.00
3.000	-0.7	-9.1	-19.43	0.00	-14.95	0.00
3.000	0.8	9.5	19.45	0.00	14.96	0.00
3.100	0.6	7.6	17.48	0.00	13.45	0.00
3.200	0.5	5.6	15.25	0.00	11.73	0.00
3.300	0.3	3.7	12.86	0.00	9.89	0.00
3.400	0.1	1.8	10.40	0.00	8.00	0.00
3.500	0.0	-0.1	7.98	0.00	6.14	0.00
3.600	-0.2	-2.1	-10.40	0.00	-8.00	0.00
3.700	-0.3	-4.0	-12.86	0.00	-9.89	0.00
3.800	-0.5	-5.9	-15.25	0.00	-11.73	0.00
3.900	-0.6	-7.8	-17.48	0.00	-13.44	0.00
4.000	-0.8	-9.7	-19.45	0.00	-14.96	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	19.45	0.00	14.96	0.00
4.100	0.6	7.7	17.48	0.00	13.45	0.00
4.200	0.5	5.8	15.25	0.00	11.73	0.00
4.300	0.3	3.9	12.86	0.00	9.89	0.00
4.400	0.2	2.0	10.40	0.00	8.00	0.00
4.500	0.0	0.1	7.98	0.00	6.14	0.00
4.600	-0.2	-1.9	-10.40	0.00	-8.00	0.00
4.700	-0.3	-3.8	-12.86	0.00	-9.89	0.00
4.800	-0.5	-5.7	-15.25	0.00	-11.73	0.00
4.900	-0.6	-7.7	-17.48	0.00	-13.45	0.00
5.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00
5.000	0.8	9.6	19.45	0.00	14.96	0.00
5.100	0.6	7.7	17.48	0.00	13.45	0.00
5.200	0.5	5.8	15.25	0.00	11.73	0.00
5.300	0.3	3.8	12.86	0.00	9.89	0.00
5.400	0.2	1.9	10.40	0.00	8.00	0.00
5.500	0.0	0.0	7.98	0.00	6.14	0.00
5.600	-0.2	-2.0	-10.40	0.00	-8.00	0.00
5.700	-0.3	-3.9	-12.86	0.00	-9.89	0.00
5.800	-0.5	-5.8	-15.25	0.00	-11.73	0.00
5.900	-0.6	-7.7	-17.48	0.00	-13.45	0.00
6.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00
6.000	0.8	9.6	19.45	0.00	14.96	0.00
6.100	0.6	7.7	17.48	0.00	13.45	0.00
6.200	0.5	5.8	15.25	0.00	11.73	0.00
6.300	0.3	3.9	12.86	0.00	9.89	0.00
6.400	0.2	2.0	10.40	0.00	8.00	0.00
6.500	0.0	0.0	7.98	0.00	6.14	0.00
6.600	-0.2	-1.9	-10.40	0.00	-8.00	0.00
6.700	-0.3	-3.8	-12.86	0.00	-9.89	0.00
6.800	-0.5	-5.8	-15.25	0.00	-11.73	0.00
6.900	-0.6	-7.7	-17.48	0.00	-13.45	0.00
7.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	19.45	0.00	14.96	0.00
7.100	0.6	7.7	17.48	0.00	13.45	0.00
7.200	0.5	5.7	15.25	0.00	11.73	0.00
7.300	0.3	3.8	12.86	0.00	9.89	0.00
7.400	0.2	1.9	10.40	0.00	8.00	0.00
7.500	0.0	0.0	7.98	0.00	6.14	0.00
7.600	-0.2	-2.0	-10.40	0.00	-8.00	0.00
7.700	-0.3	-3.9	-12.86	0.00	-9.89	0.00
7.800	-0.5	-5.8	-15.25	0.00	-11.73	0.00
7.900	-0.6	-7.7	-17.48	0.00	-13.45	0.00
8.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00
8.000	0.8	9.7	19.45	0.00	14.96	0.00
8.100	0.6	7.8	17.48	0.00	13.44	0.00
8.200	0.5	5.9	15.25	0.00	11.73	0.00
8.300	0.3	4.0	12.86	0.00	9.89	0.00
8.400	0.2	2.1	10.40	0.00	8.00	0.00
8.500	0.0	0.2	-7.98	0.00	-6.14	0.00
8.600	-0.1	-1.8	-10.40	0.00	-8.00	0.00
8.700	-0.3	-3.7	-12.86	0.00	-9.89	0.00
8.800	-0.5	-5.6	-15.25	0.00	-11.73	0.00
8.900	-0.6	-7.6	-17.48	0.00	-13.45	0.00
9.000	-0.8	-9.5	-19.45	0.00	-14.96	0.00
9.000	0.7	-9.5	19.43	0.00	14.95	0.00
9.100	0.6	7.2	17.46	0.00	13.43	0.00
9.200	0.4	5.3	15.22	0.00	11.71	0.00
9.300	0.2	3.4	12.82	0.00	9.86	0.00
9.400	0.1	1.5	10.36	0.00	7.97	0.00
9.500	-0.1	-0.5	-8.01	0.00	-6.16	0.00
9.600	-0.2	-2.4	-10.44	0.00	-8.03	0.00
9.700	-0.4	-4.3	-12.90	0.00	-9.92	0.00
9.800	-0.5	-6.3	-15.29	0.00	-11.76	0.00
9.900	-0.7	-8.2	-17.51	0.00	-13.47	0.00
10.000	-0.8	-10.1	-19.46	0.00	-14.97	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	20.02	0.00	15.40	0.00
10.100	0.9	9.7	18.39	0.00	14.15	0.00
10.200	0.7	7.7	16.52	0.00	12.71	0.00
10.300	0.5	5.8	14.43	0.00	11.10	0.00
10.400	0.4	3.9	12.15	0.00	9.34	0.00
10.500	0.2	2.0	9.72	0.00	7.47	0.00
10.600	0.0	0.1	-8.65	0.00	-6.66	0.00
10.700	-0.2	-1.9	-10.99	0.00	-8.45	0.00
10.800	-0.4	-3.8	-13.46	0.00	-10.36	0.00
10.900	-0.6	-5.7	-16.05	0.00	-12.34	0.00
11.000	-0.7	-7.6	-18.71	0.00	-14.39	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.7	124.0
1.100	172.1	-138.6	126.1
1.200	172.1	-136.5	128.2
1.300	172.1	-134.4	130.3
1.400	172.1	-132.3	132.4
1.500	172.1	-130.3	134.5
1.600	172.1	-128.1	136.7
1.700	172.1	-126.0	138.7
1.800	172.1	-123.9	140.8
1.900	172.1	-121.8	142.9
2.000	172.1	-119.7	145.0
2.000	151.3	-119.7	105.4
2.100	151.3	-125.2	107.5
2.200	151.3	-123.2	109.6
2.300	151.3	-121.1	111.6
2.400	151.3	-119.0	113.7
2.500	151.3	-117.0	115.8
2.600	151.3	-114.8	117.9
2.700	151.3	-112.8	120.0
2.800	151.3	-110.7	122.1
2.900	151.3	-108.6	124.1
3.000	151.3	-106.6	117.1
3.000	151.3	-106.6	106.1
3.100	151.3	-124.5	108.2
3.200	151.3	-122.5	110.3
3.300	151.3	-120.4	112.4
3.400	151.3	-118.3	114.4
3.500	151.3	-116.3	116.5
3.600	151.3	-114.1	118.6
3.700	151.3	-112.1	120.7
3.800	151.3	-110.0	122.8
3.900	151.3	-107.9	124.8
4.000	151.3	-105.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-105.8	106.0
4.100	151.3	-124.7	108.0
4.200	151.3	-122.6	110.1
4.300	151.3	-120.6	112.2
4.400	151.3	-118.5	114.2
4.500	151.3	-116.4	116.3
4.600	151.3	-114.3	118.4
4.700	151.3	-112.2	120.5
4.800	151.3	-110.2	122.6
4.900	151.3	-108.1	124.6
5.000	151.3	-106.0	117.1
5.000	151.3	-106.0	106.0
5.100	151.3	-124.7	108.1
5.200	151.3	-122.6	110.1
5.300	151.3	-120.5	112.2
5.400	151.3	-118.5	114.3
5.500	151.3	-116.4	116.4
5.600	151.3	-114.3	118.5
5.700	151.3	-112.2	120.6
5.800	151.3	-110.1	122.6
5.900	151.3	-108.1	124.7
6.000	151.3	-106.0	117.2
6.000	151.3	-106.0	106.0
6.100	151.3	-124.7	108.1
6.200	151.3	-122.6	110.1
6.300	151.3	-120.6	112.2
6.400	151.3	-118.5	114.3
6.500	151.3	-116.4	116.3
6.600	151.3	-114.3	118.5
6.700	151.3	-112.2	120.5
6.800	151.3	-110.1	122.6
6.900	151.3	-108.1	124.7
7.000	151.3	-106.0	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.0	106.0
7.100	151.3	-124.6	108.1
7.200	151.3	-122.6	110.2
7.300	151.3	-120.5	112.2
7.400	151.3	-118.4	114.3
7.500	151.3	-116.4	116.4
7.600	151.3	-114.2	118.5
7.700	151.3	-112.2	120.6
7.800	151.3	-110.1	122.6
7.900	151.3	-108.0	124.7
8.000	151.3	-106.0	117.2
8.000	151.3	-106.0	105.8
8.100	151.3	-124.8	107.9
8.200	151.3	-122.8	110.0
8.300	151.3	-120.7	112.1
8.400	151.3	-118.6	114.1
8.500	151.3	-116.6	116.2
8.600	151.3	-114.4	118.3
8.700	151.3	-112.4	120.4
8.800	151.3	-110.3	122.5
8.900	151.3	-108.2	124.5
9.000	151.3	-106.1	117.1
9.000	151.3	-106.1	106.6
9.100	151.3	-124.1	108.6
9.200	151.3	-122.1	110.7
9.300	151.3	-120.0	112.8
9.400	151.3	-117.9	114.8
9.500	151.3	-115.8	116.9
9.600	151.3	-113.7	119.0
9.700	151.3	-111.6	121.1
9.800	151.3	-109.6	123.2
9.900	151.3	-107.5	125.2
10.000	151.3	-105.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-105.4	119.7
10.100	172.1	-142.9	121.8
10.200	172.1	-140.8	123.9
10.300	172.1	-138.7	126.0
10.400	172.1	-136.7	128.1
10.500	172.1	-134.6	130.2
10.600	172.1	-132.4	132.3
10.700	172.1	-130.3	134.4
10.800	172.1	-128.2	136.5
10.900	172.1	-126.1	138.6
11.000	172.1	-124.0	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	86.30	6.63	0.00	99.4
1.100	75.09	7.86	0.00	117.9
1.200	37.20	9.52	0.00	142.9
1.300	24.66	11.86	0.00	177.9
1.400	18.47	15.30	0.00	229.5
1.500	13.40	20.70	0.00	201.1
1.600	10.54	30.06	0.00	158.2
1.700	8.73	48.81	0.00	131.0
1.800	7.50	100.16	0.00	112.5
1.900	6.62	327.15	0.00	99.3
2.000	5.98	331.94	0.00	89.7
2.000	5.98	5.37	0.00	80.5
2.100	61.47	6.14	0.00	92.1
2.200	60.46	7.17	0.00	107.5
2.300	33.88	8.65	0.00	129.8
2.400	21.07	10.89	0.00	163.4
2.500	14.73	14.45	0.00	216.8
2.600	11.08	20.66	0.00	166.2
2.700	8.79	33.09	0.00	131.9
2.800	7.27	53.61	0.00	109.1
2.900	6.22	54.52	0.00	93.3
3.000	5.48	51.43	0.00	82.2
3.000	5.48	5.46	0.00	81.9
3.100	61.44	6.19	0.00	92.9
3.200	60.42	7.23	0.00	108.5
3.300	33.38	8.73	0.00	131.0
3.400	20.83	11.00	0.00	165.0
3.500	14.58	14.60	0.00	218.7
3.600	10.98	20.87	0.00	164.6
3.700	8.72	33.44	0.00	130.7
3.800	7.21	60.88	0.00	108.2
3.900	6.18	61.90	0.00	92.6
4.000	5.44	58.10	0.00	81.6

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	5.44	5.45	0.00	81.6
4.100	61.56	6.18	0.00	92.7
4.200	60.53	7.22	0.00	108.3
4.300	33.42	8.72	0.00	130.8
4.400	20.86	10.98	0.00	164.7
4.500	14.60	14.58	0.00	218.7
4.600	10.99	20.84	0.00	164.9
4.700	8.73	33.40	0.00	130.9
4.800	7.22	60.52	0.00	108.4
4.900	6.18	61.54	0.00	92.8
5.000	5.45	57.84	0.00	81.8
5.000	5.45	5.45	0.00	81.8
5.100	61.53	6.18	0.00	92.7
5.200	60.51	7.22	0.00	108.3
5.300	33.41	8.73	0.00	130.9
5.400	20.85	10.99	0.00	164.8
5.500	14.59	14.59	0.00	218.8
5.600	10.98	20.85	0.00	164.8
5.700	8.73	33.41	0.00	130.9
5.800	7.22	60.52	0.00	108.3
5.900	6.18	61.54	0.00	92.7
6.000	5.45	57.82	0.00	81.7
6.000	5.45	5.45	0.00	81.7
6.100	61.54	6.18	0.00	92.7
6.200	60.52	7.22	0.00	108.3
6.300	33.41	8.73	0.00	130.9
6.400	20.85	10.98	0.00	164.8
6.500	14.60	14.58	0.00	218.7
6.600	10.99	20.85	0.00	164.8
6.700	8.73	33.41	0.00	130.9
6.800	7.22	60.51	0.00	108.3
6.900	6.18	61.53	0.00	92.7
7.000	5.45	57.82	0.00	81.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	5.45	5.45	0.00	81.8
7.100	61.54	6.18	0.00	92.8
7.200	60.52	7.22	0.00	108.4
7.300	33.40	8.73	0.00	130.9
7.400	20.84	10.99	0.00	164.9
7.500	14.59	14.59	0.00	218.8
7.600	10.98	20.86	0.00	164.7
7.700	8.72	33.42	0.00	130.8
7.800	7.22	60.53	0.00	108.3
7.900	6.18	61.55	0.00	92.7
8.000	5.45	57.82	0.00	81.7
8.000	5.45	5.44	0.00	81.6
8.100	61.90	6.18	0.00	92.6
8.200	60.88	7.21	0.00	108.2
8.300	33.44	8.72	0.00	130.7
8.400	20.87	10.98	0.00	164.6
8.500	14.61	14.57	0.00	218.6
8.600	11.00	20.83	0.00	165.0
8.700	8.73	33.38	0.00	131.0
8.800	7.23	60.42	0.00	108.5
8.900	6.19	61.44	0.00	92.9
9.000	5.46	57.79	0.00	81.9
9.000	5.46	5.48	0.00	81.9
9.100	54.52	6.22	0.00	93.3
9.200	53.61	7.27	0.00	109.1
9.300	33.09	8.79	0.00	131.9
9.400	20.66	11.08	0.00	166.2
9.500	14.46	14.73	0.00	216.9
9.600	10.89	21.07	0.00	163.4
9.700	8.65	33.88	0.00	129.8
9.800	7.17	60.46	0.00	107.5
9.900	6.14	61.47	0.00	92.1
10.000	5.42	57.54	0.00	81.3

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	5.42	5.98	0.00	81.3
10.100	327.14	6.62	0.00	99.3
10.200	100.16	7.50	0.00	112.5
10.300	48.81	8.73	0.00	131.0
10.400	30.06	10.54	0.00	158.2
10.500	20.71	13.40	0.00	201.0
10.600	15.30	18.47	0.00	229.5
10.700	11.86	24.66	0.00	177.9
10.800	9.52	37.20	0.00	142.9
10.900	7.86	75.09	0.00	117.9
11.000	6.63	999.00	0.00	99.4

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 50.5	332.2	332.2	-332.2	-332.2	313.9	313.9	-350.5	-3
1.200 63.5	332.2	332.2	-332.2	-332.2	300.9	300.9	-363.5	-3
1.300 71.3	332.2	332.2	-332.2	-332.2	293.1	293.1	-371.3	-3
1.400 73.9	332.2	332.2	-332.2	-332.2	290.5	290.5	-373.9	-3
1.500 71.2	332.2	332.2	-332.2	-332.2	293.2	293.2	-371.2	-3
1.600 63.1	332.2	332.2	-332.2	-332.2	301.3	301.3	-363.1	-3
1.700 49.8	332.2	332.2	-332.2	-332.2	314.6	314.6	-349.8	-3
1.800 31.2	332.2	332.2	-332.2	-332.2	333.2	333.2	-331.2	-3
1.900 07.4	332.2	332.2	-332.2	-332.2	357.0	357.0	-307.4	-3
2.000 78.4	332.2	332.2	-332.2	-332.2	386.0	386.0	-278.4	-2
2.000 25.6	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
2.100 50.3	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
2.200 69.9	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
2.300 84.3	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
2.400 93.5	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
2.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
2.600 96.3	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
2.700 89.8	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
2.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
2.900 61.4	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2

3.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
3.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
3.100	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
62.4								
3.200	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
80.2								
3.300	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
92.9								
3.400	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
00.3								
3.500	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
02.6								
3.600	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
99.6								
3.700	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
91.4								
3.800	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
78.0								
3.900	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
59.4								
4.000	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
35.7								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
4.100 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
4.200 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
4.300 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
4.400 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
4.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
4.600 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
4.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
4.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
4.900 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.300 91.2	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
5.400 99.0	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
5.500 01.6	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
5.600 98.9	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
5.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
5.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
5.900 59.8	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2

6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.100	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2
59.8								
6.200	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
78.0								
6.300	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
6.400	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
98.9								
6.500	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
01.6								
6.600	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
99.0								
6.700	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
91.2								
6.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.900	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
60.0								
7.000	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
36.7								

9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.100	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2
61.4								
9.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
9.300	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
89.8								
9.400	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
96.3								
9.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
97.5								
9.600	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
93.5								
9.700	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
84.3								
9.800	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
69.9								
9.900	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
50.3								
10.000	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
25.6								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	7.83	85.97	7.83	85.97	0.00	117.4
1.200	4.47	44.58	4.47	44.58	0.00	67.1
1.300	3.56	30.36	3.56	30.36	0.00	53.4
1.400	3.36	22.93	3.36	22.93	0.00	50.4
1.500	3.54	18.21	3.54	18.21	0.00	53.1
1.600	3.87	14.85	3.87	14.85	0.00	58.1
1.700	4.97	12.26	4.97	12.26	0.00	74.6
1.800	8.10	10.16	8.10	10.16	0.00	121.6
1.900	26.70	8.38	26.70	8.38	0.00	125.7
2.000	35.34	6.20	35.34	6.20	0.00	93.0
2.000	30.50	5.03	30.50	5.03	0.00	75.4
2.100	23.83	6.39	23.83	6.39	0.00	95.8
2.200	7.64	8.05	7.64	8.05	0.00	114.6
2.300	4.90	10.22	4.90	10.22	0.00	73.6
2.400	4.02	13.27	4.02	13.27	0.00	60.3
2.500	3.89	18.11	3.89	18.11	0.00	58.3
2.600	3.97	15.09	3.97	15.09	0.00	59.5
2.700	4.77	11.72	4.77	11.72	0.00	71.5
2.800	7.31	9.33	7.31	9.33	0.00	109.6
2.900	21.96	7.49	21.96	7.49	0.00	112.3
3.000	26.55	5.99	26.55	5.99	0.00	89.8
3.000	26.55	5.99	26.55	5.99	0.00	89.8
3.100	22.04	7.56	22.04	7.56	0.00	113.4
3.200	7.26	9.44	7.26	9.44	0.00	109.0
3.300	4.71	11.89	4.71	11.89	0.00	70.7
3.400	3.90	15.33	3.90	15.33	0.00	58.5
3.500	3.80	20.70	3.80	20.70	0.00	57.0
3.600	3.91	15.22	3.91	15.22	0.00	58.6
3.700	4.74	11.77	4.74	11.77	0.00	71.0
3.800	7.32	9.32	7.32	9.32	0.00	109.7
3.900	22.19	7.44	22.19	7.44	0.00	111.6
4.000	30.18	5.90	30.18	5.90	0.00	88.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	30.18	5.90	30.18	5.90	0.00	88.5
4.100	22.22	7.43	22.22	7.43	0.00	111.5
4.200	7.33	9.31	7.33	9.31	0.00	109.9
4.300	4.75	11.74	4.75	11.74	0.00	71.2
4.400	3.92	15.17	3.92	15.17	0.00	58.9
4.500	3.82	20.60	3.82	20.60	0.00	57.3
4.600	3.92	15.17	3.92	15.17	0.00	58.8
4.700	4.74	11.76	4.74	11.76	0.00	71.1
4.800	7.31	9.32	7.31	9.32	0.00	109.7
4.900	22.16	7.45	22.16	7.45	0.00	111.8
5.000	30.09	5.93	30.09	5.93	0.00	88.9
5.000	30.09	5.93	30.09	5.93	0.00	88.9
5.100	22.15	7.45	22.15	7.45	0.00	111.8
5.200	7.31	9.33	7.31	9.33	0.00	109.7
5.300	4.74	11.76	4.74	11.76	0.00	71.1
5.400	3.92	15.19	3.92	15.19	0.00	58.8
5.500	3.82	20.63	3.82	20.63	0.00	57.2
5.600	3.92	15.18	3.92	15.18	0.00	58.8
5.700	4.74	11.76	4.74	11.76	0.00	71.1
5.800	7.32	9.32	7.32	9.32	0.00	109.7
5.900	22.17	7.45	22.17	7.45	0.00	111.7
6.000	30.12	5.92	30.12	5.92	0.00	88.8
6.000	30.12	5.92	30.12	5.92	0.00	88.8
6.100	22.17	7.45	22.17	7.45	0.00	111.7
6.200	7.32	9.32	7.32	9.32	0.00	109.7
6.300	4.74	11.76	4.74	11.76	0.00	71.1
6.400	3.92	15.18	3.92	15.18	0.00	58.8
6.500	3.82	20.63	3.82	20.63	0.00	57.2
6.600	3.92	15.19	3.92	15.19	0.00	58.8
6.700	4.74	11.76	4.74	11.76	0.00	71.1
6.800	7.31	9.33	7.31	9.33	0.00	109.7
6.900	22.15	7.45	22.15	7.45	0.00	111.8
7.000	30.09	5.93	30.09	5.93	0.00	88.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	30.09	5.93	30.09	5.93	0.00	88.9
7.100	22.16	7.45	22.16	7.45	0.00	111.8
7.200	7.31	9.32	7.31	9.32	0.00	109.7
7.300	4.74	11.76	4.74	11.76	0.00	71.1
7.400	3.92	15.17	3.92	15.17	0.00	58.8
7.500	3.82	20.60	3.82	20.60	0.00	57.3
7.600	3.92	15.17	3.92	15.17	0.00	58.9
7.700	4.75	11.74	4.75	11.74	0.00	71.2
7.800	7.33	9.31	7.33	9.31	0.00	109.9
7.900	22.22	7.43	22.22	7.43	0.00	111.5
8.000	30.18	5.90	30.18	5.90	0.00	88.5
8.000	30.18	5.90	30.18	5.90	0.00	88.5
8.100	22.19	7.44	22.19	7.44	0.00	111.6
8.200	7.32	9.32	7.32	9.32	0.00	109.7
8.300	4.74	11.77	4.74	11.77	0.00	71.0
8.400	3.91	15.22	3.91	15.22	0.00	58.6
8.500	3.80	20.70	3.80	20.70	0.00	57.0
8.600	3.90	15.33	3.90	15.33	0.00	58.5
8.700	4.71	11.89	4.71	11.89	0.00	70.7
8.800	7.26	9.44	7.26	9.44	0.00	109.0
8.900	22.04	7.56	22.04	7.56	0.00	113.4
9.000	26.55	5.99	26.55	5.99	0.00	89.8
9.000	26.55	5.99	26.55	5.99	0.00	89.8
9.100	21.95	7.49	21.95	7.49	0.00	112.3
9.200	7.31	9.33	7.31	9.33	0.00	109.6
9.300	4.77	11.72	4.77	11.72	0.00	71.5
9.400	3.97	15.09	3.97	15.09	0.00	59.5
9.500	3.89	18.11	3.89	18.11	0.00	58.3
9.600	4.02	13.27	4.02	13.27	0.00	60.3
9.700	4.90	10.22	4.90	10.22	0.00	73.6
9.800	7.64	8.05	7.64	8.05	0.00	114.6
9.900	23.83	6.39	23.83	6.39	0.00	95.8
10.000	30.50	5.03	30.50	5.03	0.00	75.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	30.50	5.03	30.50	5.03	0.00	75.4
10.100	26.70	8.38	26.70	8.38	0.00	125.7
10.200	8.10	10.16	8.10	10.16	0.00	121.6
10.300	4.97	12.26	4.97	12.26	0.00	74.6
10.400	3.87	14.85	3.87	14.85	0.00	58.1
10.500	3.54	18.21	3.54	18.21	0.00	53.1
10.600	3.36	22.93	3.36	22.93	0.00	50.4
10.700	3.56	30.36	3.56	30.36	0.00	53.4
10.800	4.47	44.58	4.47	44.58	0.00	67.1
10.900	7.83	85.97	7.83	85.97	0.00	117.4
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.7	54.73 R	0.00	42.10	0.00
1.200	2.8	28.5	90.42 R	0.00	69.55	0.00
1.300	3.5	35.6	108.59 R	0.00	83.53	0.00
1.400	3.7	38.0	115.46 R	0.00	88.82	0.00
1.500	3.5	35.5	113.07 R	0.00	86.98	0.00
1.600	2.8	28.1	100.34 L	0.00	77.18	0.00
1.700	1.7	15.9	81.80 L	0.00	62.93	0.00
1.800	0.1	-1.1	50.94 L	0.00	39.18	0.00
1.900	-2.0	-22.8	-52.78 R	0.00	-40.60	0.00
2.000	-4.5	-49.4	-67.21 R	0.00	-51.70	0.00
2.000	-4.5	-49.4	-67.21 R	0.00	-51.70	0.00
2.100	-2.6	-26.5	-56.39 L	0.00	-43.37	0.00
2.200	-1.0	-8.5	-48.20 L	0.00	-37.08	0.00
2.300	0.1	4.8	71.07 R	0.00	54.67	0.00
2.400	0.8	13.3	84.33 R	0.00	64.87	0.00
2.500	1.2	17.0	89.77 L	0.00	69.05	0.00
2.600	1.1	15.7	84.67 L	0.00	65.13	0.00
2.700	0.7	9.7	71.67 L	0.00	55.13	0.00
2.800	-0.1	-1.1	46.84 L	0.00	36.03	0.00
2.900	-1.3	-16.7	-50.23 R	0.00	-38.64	0.00
3.000	-2.9	-37.0	-63.24 L	0.00	-48.64	0.00
3.000	-2.9	-37.0	-63.24 L	0.00	-48.64	0.00
3.100	-1.2	-15.8	-49.95 L	0.00	-38.42	0.00
3.200	0.1	0.7	46.76 R	0.00	35.97	0.00
3.300	1.0	12.4	71.74 R	0.00	55.18	0.00
3.400	1.6	19.3	84.87 R	0.00	65.29	0.00
3.500	1.7	21.5	90.13 L	0.00	69.33	0.00
3.600	1.5	18.7	84.90 L	0.00	65.30	0.00
3.700	0.9	11.1	71.78 L	0.00	55.22	0.00
3.800	-0.1	-1.3	46.82 L	0.00	36.02	0.00
3.900	-1.5	-18.4	-50.19 R	0.00	-38.60	0.00
4.000	-3.3	-40.3	-63.21 L	0.00	-48.62	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.3	-63.21 L 0.00	-48.62 0.00
4.100	-1.6	-18.7	-50.17 L 0.00	-38.59 0.00
4.200	-0.2	-1.8	46.82 R 0.00	36.01 0.00
4.300	0.8	10.4	71.79 R 0.00	55.22 0.00
4.400	1.4	17.7	84.91 R 0.00	65.32 0.00
4.500	1.6	20.3	90.16 L 0.00	69.35 0.00
4.600	1.4	17.9	84.91 L 0.00	65.32 0.00
4.700	0.8	10.7	71.79 L 0.00	55.22 0.00
4.800	-0.1	-1.2	46.82 L 0.00	36.02 0.00
4.900	-1.5	-17.9	-50.18 R 0.00	-38.60 0.00
5.000	-3.2	-39.4	-63.21 L 0.00	-48.62 0.00
5.000	-3.2	-39.4	-63.21 L 0.00	-48.62 0.00
5.100	-1.5	-17.9	-50.18 L 0.00	-38.60 0.00
5.200	-0.1	-1.1	46.82 R 0.00	36.02 0.00
5.300	0.9	10.9	71.79 R 0.00	55.22 0.00
5.400	1.4	18.1	84.91 R 0.00	65.32 0.00
5.500	1.6	20.6	90.16 R 0.00	69.35 0.00
5.600	1.4	18.1	84.91 L 0.00	65.32 0.00
5.700	0.8	10.8	71.79 L 0.00	55.22 0.00
5.800	-0.1	-1.3	46.82 L 0.00	36.02 0.00
5.900	-1.5	-18.1	-50.18 R 0.00	-38.60 0.00
6.000	-3.3	-39.7	-63.21 R 0.00	-48.62 0.00
6.000	-3.3	-39.7	-63.21 R 0.00	-48.62 0.00
6.100	-1.5	-18.1	-50.18 L 0.00	-38.60 0.00
6.200	-0.1	-1.3	46.82 R 0.00	36.02 0.00
6.300	0.8	10.8	71.79 R 0.00	55.22 0.00
6.400	1.4	18.1	84.91 R 0.00	65.32 0.00
6.500	1.6	20.6	90.16 R 0.00	69.35 0.00
6.600	1.4	18.1	84.91 L 0.00	65.32 0.00
6.700	0.9	10.9	71.79 L 0.00	55.22 0.00
6.800	-0.1	-1.1	46.82 L 0.00	36.02 0.00
6.900	-1.5	-17.9	-50.18 R 0.00	-38.60 0.00
7.000	-3.2	-39.4	-63.21 R 0.00	-48.62 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.4	-63.21 R	0.00
7.100	-1.5	-17.9	-50.18 L	0.00
7.200	-0.1	-1.2	46.82 R	0.00
7.300	0.8	10.7	71.79 R	0.00
7.400	1.4	17.9	84.91 R	0.00
7.500	1.6	20.3	90.16 R	0.00
7.600	1.4	17.7	84.91 L	0.00
7.700	0.8	10.4	71.79 L	0.00
7.800	-0.2	-1.8	46.82 L	0.00
7.900	-1.6	-18.7	-50.17 R	0.00
8.000	-3.3	-40.3	-63.21 R	0.00
8.000	-3.3	-40.3	-63.21 R	0.00
8.100	-1.5	-18.4	-50.19 L	0.00
8.200	-0.1	-1.3	46.82 R	0.00
8.300	0.9	11.1	71.78 R	0.00
8.400	1.5	18.7	84.90 R	0.00
8.500	1.7	21.5	90.13 R	0.00
8.600	1.6	19.3	84.87 L	0.00
8.700	1.0	12.4	71.74 L	0.00
8.800	0.1	0.7	46.76 L	0.00
8.900	-1.2	-15.8	-49.95 R	0.00
9.000	-2.9	-37.0	-63.24 R	0.00
9.000	-2.9	-37.0	-63.24 R	0.00
9.100	-1.3	-16.7	-50.23 L	0.00
9.200	-0.1	-1.1	46.84 R	0.00
9.300	0.7	9.7	71.67 R	0.00
9.400	1.1	15.7	84.67 R	0.00
9.500	1.2	17.0	89.77 R	0.00
9.600	0.8	13.3	84.33 L	0.00
9.700	0.1	4.8	71.07 L	0.00
9.800	-1.0	-8.5	-48.20 R	0.00
9.900	-2.6	-26.5	-56.39 R	0.00
10.000	-4.5	-49.4	-67.21 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-49.4	-67.21	L 0.00	-51.70	0.00
10.100	-2.0	-22.8	-52.78	L 0.00	-40.60	0.00
10.200	0.1	-1.1	50.94	R 0.00	39.18	0.00
10.300	1.7	15.9	81.80	R 0.00	62.93	0.00
10.400	2.8	28.1	100.34	R 0.00	77.18	0.00
10.500	3.5	35.5	113.07	L 0.00	86.98	0.00
10.600	3.7	38.0	115.46	L 0.00	88.82	0.00
10.700	3.5	35.6	108.59	L 0.00	83.53	0.00
10.800	2.8	28.5	90.42	L 0.00	69.55	0.00
10.900	1.6	16.7	54.73	L 0.00	42.10	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
0	1.100	359.7C	319.4	-319.4	-359.7C	341.4	301.2	-337.7	-378.
0	1.200	359.7C	319.4	-319.4	-359.7C	328.4	288.1	-350.7	-391.
8	1.300	359.7C	319.4	-319.4	-359.7C	320.6	280.3	-358.5	-398.
3	1.400	359.7C	319.4	-319.4	-359.7C	318.0	277.8	-361.1	-401.
7	1.500	359.7C	319.4	-319.4	-359.7C	320.7	280.4	-358.4	-398.
6	1.600	359.7C	319.4	-319.4	-359.7C	328.8	288.5	-350.3	-390.
3	1.700	359.7C	319.4	-319.4	-359.7C	342.1	301.8	-337.0	-377.
7	1.800	359.7C	319.4	-319.4	-359.7C	360.7	320.4	-318.4	-358.
9	1.900	359.7C	319.4	-319.4	-359.7C	384.5	344.2	-294.6	-334.
9	2.000	359.7C	319.4	-319.4	-359.7C	413.5	373.2	-265.6	-305.
8	2.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.
6	2.100	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
1	2.200	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
5	2.300	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
7	2.400	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
8	2.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
5	2.600	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
0	2.700	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
4	2.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
6	2.900	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.

7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	3.100	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.
5	3.200	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
1	3.300	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
6	3.400	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8	3.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8	3.600	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
6	3.700	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
2	3.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
7	3.900	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
0	4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
4.100	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
4.200	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
4.300	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
4.400	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
4.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
4.600	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
4.700	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
4.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4.900	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.100	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
5.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.300	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
5.400	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
5.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
5.600	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
5.700	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
5.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
5.900	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.

6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
0	6.100	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.
2	6.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
3	6.300	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
1	6.400	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
8	6.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
2	6.600	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
4	6.700	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
4	6.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
3	6.900	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
0	7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
7.100	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
7.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
7.300	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
7.400	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
7.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
7.600	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
7.700	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
7.800	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
7.900	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
8.100	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
8.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
8.300	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
8.400	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
8.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8.600	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8.700	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
8.800	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
8.900	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.

7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	9.100	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.
4	9.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
0	9.300	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
5	9.400	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
8	9.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
7	9.600	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
5	9.700	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
1	9.800	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
6	9.900	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
8	10.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	6.24	57.58	5.50	64.45	0.00
1.200	3.63	29.90	3.19	33.33	0.00
1.300	2.95	20.38	2.58	22.67	0.00
1.400	2.75	15.39	2.41	17.11	0.00
1.500	2.84	12.22	2.48	13.60	0.00
1.600	3.28	9.96	2.88	11.10	0.00
1.700	4.18	8.21	3.69	9.19	0.00
1.800	7.08	6.79	6.29	7.64	0.00
1.900	27.18	5.58	24.34	6.34	0.00
2.000	26.31	3.95	23.75	4.55	0.00
2.000	22.56	3.20	20.52	3.67	0.00
2.100	34.37	4.25	31.04	4.82	0.00
2.200	6.75	5.38	6.05	6.04	0.00
2.300	4.16	6.84	3.71	7.64	0.00
2.400	3.40	8.89	3.02	9.89	0.00
2.500	3.15	12.13	2.79	13.49	0.00
2.600	3.35	10.11	2.97	11.24	0.00
2.700	4.05	7.84	3.60	8.74	0.00
2.800	6.45	6.23	5.76	6.98	0.00
2.900	23.68	4.99	21.30	5.63	0.00
3.000	19.69	3.62	17.84	4.12	0.00
3.000	19.69	3.62	17.84	4.12	0.00
3.100	21.02	5.04	18.91	5.68	0.00
3.200	6.41	6.31	5.73	7.06	0.00
3.300	4.00	7.96	3.56	8.86	0.00
3.400	3.30	10.27	2.92	11.41	0.00
3.500	3.08	13.88	2.72	15.40	0.00
3.600	3.30	10.20	2.93	11.33	0.00
3.700	4.02	7.88	3.58	8.78	0.00
3.800	6.45	6.23	5.77	6.98	0.00
3.900	23.84	4.95	21.46	5.59	0.00
4.000	22.36	3.56	20.28	4.07	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
4.000	22.36	3.56	20.28	4.07	81.9
4.100	23.98	4.95	21.59	5.59	113.9
4.200	6.46	6.22	5.78	6.97	132.9
4.300	4.03	7.86	3.59	8.76	82.5
4.400	3.32	10.16	2.94	11.29	67.6
4.500	3.09	13.81	2.74	15.33	63.0
4.600	3.31	10.17	2.94	11.30	67.5
4.700	4.03	7.87	3.58	8.77	82.4
4.800	6.45	6.23	5.77	6.98	132.6
4.900	23.80	4.97	21.42	5.60	114.2
5.000	22.29	3.58	20.22	4.08	82.2
5.000	22.29	3.58	20.22	4.08	82.2
5.100	23.81	4.97	21.43	5.61	114.3
5.200	6.45	6.24	5.76	6.98	132.6
5.300	4.02	7.88	3.58	8.77	82.3
5.400	3.31	10.18	2.93	11.31	67.5
5.500	3.09	13.83	2.73	15.35	62.9
5.600	3.31	10.17	2.93	11.30	67.5
5.700	4.03	7.87	3.58	8.77	82.3
5.800	6.45	6.23	5.77	6.98	132.7
5.900	23.82	4.96	21.44	5.60	114.1
6.000	22.32	3.57	20.24	4.08	82.1
6.000	22.32	3.57	20.24	4.08	82.1
6.100	23.82	4.96	21.44	5.60	114.1
6.200	6.45	6.23	5.77	6.98	132.7
6.300	4.03	7.87	3.58	8.77	82.3
6.400	3.31	10.17	2.93	11.30	67.5
6.500	3.09	13.83	2.73	15.35	62.9
6.600	3.31	10.18	2.93	11.31	67.5
6.700	4.02	7.88	3.58	8.77	82.3
6.800	6.45	6.24	5.76	6.98	132.6
6.900	23.81	4.97	21.43	5.61	114.3
7.000	22.29	3.58	20.22	4.08	82.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
7.000	22.29	3.58	20.22	4.08	0.00	82.2
7.100	23.80	4.97	21.42	5.60	0.00	114.2
7.200	6.45	6.23	5.77	6.98	0.00	132.6
7.300	4.03	7.87	3.58	8.77	0.00	82.4
7.400	3.31	10.17	2.94	11.30	0.00	67.5
7.500	3.09	13.81	2.74	15.33	0.00	63.0
7.600	3.32	10.16	2.94	11.29	0.00	67.6
7.700	4.03	7.86	3.59	8.76	0.00	82.5
7.800	6.46	6.22	5.78	6.97	0.00	132.9
7.900	23.98	4.95	21.59	5.59	0.00	113.9
8.000	22.36	3.56	20.28	4.07	0.00	81.9
8.000	22.36	3.56	20.28	4.07	0.00	81.9
8.100	23.84	4.95	21.46	5.59	0.00	114.0
8.200	6.45	6.23	5.77	6.97	0.00	132.7
8.300	4.02	7.88	3.58	8.78	0.00	82.2
8.400	3.30	10.20	2.93	11.33	0.00	67.3
8.500	3.08	13.88	2.72	15.40	0.00	62.6
8.600	3.30	10.27	2.92	11.41	0.00	67.1
8.700	4.00	7.96	3.56	8.86	0.00	81.8
8.800	6.41	6.31	5.73	7.06	0.00	131.7
8.900	21.02	5.04	18.91	5.68	0.00	115.9
9.000	19.69	3.62	17.84	4.12	0.00	83.2
9.000	19.69	3.62	17.84	4.12	0.00	83.2
9.100	23.68	4.99	21.30	5.63	0.00	114.8
9.200	6.45	6.23	5.76	6.98	0.00	132.5
9.300	4.05	7.84	3.60	8.74	0.00	82.9
9.400	3.35	10.11	2.97	11.24	0.00	68.4
9.500	3.15	12.13	2.79	13.49	0.00	64.2
9.600	3.40	8.89	3.02	9.89	0.00	69.4
9.700	4.16	6.84	3.71	7.64	0.00	85.4
9.800	6.75	5.38	6.05	6.04	0.00	123.7
9.900	34.38	4.25	31.04	4.82	0.00	97.7
10.000	22.56	3.20	20.52	3.67	0.00	73.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	26.31	3.20	20.52	4.55	0.00	73.5
10.100	27.18	5.58	24.34	6.34	0.00	128.4
10.200	7.08	6.79	6.29	7.64	0.00	144.7
10.300	4.18	8.21	3.69	9.19	0.00	84.9
10.400	3.28	9.95	2.88	11.10	0.00	66.1
10.500	2.84	12.22	2.48	13.60	0.00	57.0
10.600	2.75	15.39	2.41	17.11	0.00	55.3
10.700	2.95	20.38	2.58	22.67	0.00	59.4
10.800	3.63	29.90	3.19	33.33	0.00	73.3
10.900	6.24	57.58	5.50	64.45	0.00	126.6
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	25.85	0.00	19.89	0.00
1.100	0.6	5.7	21.89	0.00	16.84	0.00
1.200	0.4	3.8	18.08	0.00	13.91	0.00
1.300	0.2	1.9	14.48	0.00	11.14	0.00
1.400	0.0	-0.1	11.13	0.00	8.56	0.00
1.500	-0.2	-2.0	-12.69	0.00	-9.76	0.00
1.600	-0.4	-3.9	-15.85	0.00	-12.20	0.00
1.700	-0.5	-5.8	-19.48	0.00	-14.99	0.00
1.800	-0.7	-7.7	-22.86	0.00	-17.59	0.00
1.900	-0.9	-9.7	-25.94	0.00	-19.96	0.00
2.000	-1.1	-11.6	-28.68	0.00	-22.06	0.00
2.000	0.8	-11.6	27.65	0.00	21.27	0.00
2.100	0.7	8.2	24.31	0.00	18.70	0.00
2.200	0.5	6.3	20.82	0.00	16.02	0.00
2.300	0.4	4.3	17.18	0.00	13.21	0.00
2.400	0.2	2.4	13.54	0.00	10.42	0.00
2.500	0.1	0.5	10.05	0.00	7.73	0.00
2.600	-0.1	-1.5	-13.43	0.00	-10.33	0.00
2.700	-0.2	-3.4	-17.07	0.00	-13.13	0.00
2.800	-0.4	-5.3	-20.71	0.00	-15.93	0.00
2.900	-0.6	-7.2	-24.22	0.00	-18.63	0.00
3.000	-0.7	-9.1	-27.44	0.00	-21.11	0.00
3.000	0.8	9.5	27.47	0.00	21.13	0.00
3.100	0.6	7.6	24.26	0.00	18.67	0.00
3.200	0.5	5.6	20.77	0.00	15.97	0.00
3.300	0.3	3.7	17.12	0.00	13.17	0.00
3.400	0.1	1.8	13.49	0.00	10.38	0.00
3.500	0.0	-0.1	10.01	0.00	7.70	0.00
3.600	-0.2	-2.1	-13.48	0.00	-10.37	0.00
3.700	-0.3	-4.0	-17.12	0.00	-13.17	0.00
3.800	-0.5	-5.9	-20.76	0.00	-15.97	0.00
3.900	-0.6	-7.8	-24.26	0.00	-18.66	0.00
4.000	-0.8	-9.7	-27.47	0.00	-21.13	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	27.47	0.00	21.13	0.00
4.100	0.6	7.7	24.26	0.00	18.66	0.00
4.200	0.5	5.8	20.76	0.00	15.97	0.00
4.300	0.3	3.9	17.12	0.00	13.17	0.00
4.400	0.2	2.0	13.49	0.00	10.37	0.00
4.500	0.0	0.1	10.00	0.00	7.70	0.00
4.600	-0.2	-1.9	-13.49	0.00	-10.37	0.00
4.700	-0.3	-3.8	-17.12	0.00	-13.17	0.00
4.800	-0.5	-5.7	-20.76	0.00	-15.97	0.00
4.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
5.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00
5.000	0.8	9.6	27.47	0.00	21.13	0.00
5.100	0.6	7.7	24.26	0.00	18.66	0.00
5.200	0.5	5.8	20.76	0.00	15.97	0.00
5.300	0.3	3.8	17.12	0.00	13.17	0.00
5.400	0.2	1.9	13.49	0.00	10.37	0.00
5.500	0.0	0.0	10.00	0.00	7.70	0.00
5.600	-0.2	-2.0	-13.49	0.00	-10.37	0.00
5.700	-0.3	-3.9	-17.12	0.00	-13.17	0.00
5.800	-0.5	-5.8	-20.76	0.00	-15.97	0.00
5.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
6.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00
6.000	0.8	9.6	27.47	0.00	21.13	0.00
6.100	0.6	7.7	24.26	0.00	18.66	0.00
6.200	0.5	5.8	20.76	0.00	15.97	0.00
6.300	0.3	3.9	17.12	0.00	13.17	0.00
6.400	0.2	2.0	13.49	0.00	10.37	0.00
6.500	0.0	0.0	10.00	0.00	7.70	0.00
6.600	-0.2	-1.9	-13.49	0.00	-10.37	0.00
6.700	-0.3	-3.8	-17.12	0.00	-13.17	0.00
6.800	-0.5	-5.8	-20.76	0.00	-15.97	0.00
6.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
7.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	27.47	0.00	21.13	0.00
7.100	0.6	7.7	24.26	0.00	18.66	0.00
7.200	0.5	5.7	20.76	0.00	15.97	0.00
7.300	0.3	3.8	17.12	0.00	13.17	0.00
7.400	0.2	1.9	13.49	0.00	10.37	0.00
7.500	0.0	0.0	10.00	0.00	7.70	0.00
7.600	-0.2	-2.0	-13.49	0.00	-10.37	0.00
7.700	-0.3	-3.9	-17.12	0.00	-13.17	0.00
7.800	-0.5	-5.8	-20.76	0.00	-15.97	0.00
7.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
8.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00
8.000	0.8	9.7	27.47	0.00	21.13	0.00
8.100	0.6	7.8	24.26	0.00	18.66	0.00
8.200	0.5	5.9	20.76	0.00	15.97	0.00
8.300	0.3	4.0	17.12	0.00	13.17	0.00
8.400	0.2	2.1	13.48	0.00	10.37	0.00
8.500	0.0	0.2	-10.01	0.00	-7.70	0.00
8.600	-0.1	-1.8	-13.49	0.00	-10.38	0.00
8.700	-0.3	-3.7	-17.12	0.00	-13.17	0.00
8.800	-0.5	-5.6	-20.77	0.00	-15.97	0.00
8.900	-0.6	-7.6	-24.26	0.00	-18.67	0.00
9.000	-0.8	-9.5	-27.47	0.00	-21.13	0.00
9.000	0.7	-9.5	27.44	0.00	21.11	0.00
9.100	0.6	7.2	24.22	0.00	18.63	0.00
9.200	0.4	5.3	20.71	0.00	15.93	0.00
9.300	0.2	3.4	17.07	0.00	13.13	0.00
9.400	0.1	1.5	13.43	0.00	10.33	0.00
9.500	-0.1	-0.5	-10.05	0.00	-7.73	0.00
9.600	-0.2	-2.4	-13.54	0.00	-10.42	0.00
9.700	-0.4	-4.3	-17.18	0.00	-13.21	0.00
9.800	-0.5	-6.3	-20.82	0.00	-16.02	0.00
9.900	-0.7	-8.2	-24.31	0.00	-18.70	0.00
10.000	-0.8	-10.1	-27.50	0.00	-21.16	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	28.68	0.00	22.06	0.00
10.100	0.9	9.7	25.94	0.00	19.96	0.00
10.200	0.7	7.7	22.86	0.00	17.59	0.00
10.300	0.5	5.8	19.48	0.00	14.99	0.00
10.400	0.4	3.9	15.85	0.00	12.20	0.00
10.500	0.2	2.0	12.69	0.00	9.76	0.00
10.600	0.0	0.1	-11.13	0.00	-8.56	0.00
10.700	-0.2	-1.9	-14.48	0.00	-11.14	0.00
10.800	-0.4	-3.8	-18.08	0.00	-13.91	0.00
10.900	-0.6	-5.7	-21.89	0.00	-16.84	0.00
11.000	-0.7	-7.6	-25.85	0.00	-19.89	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.7	124.0
1.100	172.1	-138.6	126.1
1.200	172.1	-136.5	128.2
1.300	172.1	-134.4	130.3
1.400	172.1	-132.3	132.4
1.500	172.1	-130.3	134.5
1.600	172.1	-128.1	136.7
1.700	172.1	-126.0	138.7
1.800	172.1	-123.9	140.8
1.900	172.1	-121.8	142.9
2.000	172.1	-119.7	145.0
2.000	151.3	-119.7	105.4
2.100	151.3	-125.2	107.5
2.200	151.3	-123.2	109.6
2.300	151.3	-121.1	111.6
2.400	151.3	-119.0	113.7
2.500	151.3	-117.0	115.8
2.600	151.3	-114.8	117.9
2.700	151.3	-112.8	120.0
2.800	151.3	-110.7	122.1
2.900	151.3	-108.6	124.1
3.000	151.3	-106.6	117.1
3.000	151.3	-106.6	106.1
3.100	151.3	-124.5	108.2
3.200	151.3	-122.5	110.3
3.300	151.3	-120.4	112.4
3.400	151.3	-118.3	114.4
3.500	151.3	-116.3	116.5
3.600	151.3	-114.1	118.6
3.700	151.3	-112.1	120.7
3.800	151.3	-110.0	122.8
3.900	151.3	-107.9	124.8
4.000	151.3	-105.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-105.8	106.0
4.100	151.3	-124.7	108.0
4.200	151.3	-122.6	110.1
4.300	151.3	-120.6	112.2
4.400	151.3	-118.5	114.2
4.500	151.3	-116.4	116.3
4.600	151.3	-114.3	118.4
4.700	151.3	-112.2	120.5
4.800	151.3	-110.2	122.6
4.900	151.3	-108.1	124.6
5.000	151.3	-106.0	117.1
5.000	151.3	-106.0	106.0
5.100	151.3	-124.7	108.1
5.200	151.3	-122.6	110.1
5.300	151.3	-120.5	112.2
5.400	151.3	-118.5	114.3
5.500	151.3	-116.4	116.4
5.600	151.3	-114.3	118.5
5.700	151.3	-112.2	120.6
5.800	151.3	-110.1	122.6
5.900	151.3	-108.1	124.7
6.000	151.3	-106.0	117.2
6.000	151.3	-106.0	106.0
6.100	151.3	-124.7	108.1
6.200	151.3	-122.6	110.1
6.300	151.3	-120.6	112.2
6.400	151.3	-118.5	114.3
6.500	151.3	-116.4	116.3
6.600	151.3	-114.3	118.5
6.700	151.3	-112.2	120.5
6.800	151.3	-110.1	122.6
6.900	151.3	-108.1	124.7
7.000	151.3	-106.0	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.0	106.0
7.100	151.3	-124.6	108.1
7.200	151.3	-122.6	110.2
7.300	151.3	-120.5	112.2
7.400	151.3	-118.4	114.3
7.500	151.3	-116.4	116.4
7.600	151.3	-114.2	118.5
7.700	151.3	-112.2	120.6
7.800	151.3	-110.1	122.6
7.900	151.3	-108.0	124.7
8.000	151.3	-106.0	117.2
8.000	151.3	-106.0	105.8
8.100	151.3	-124.8	107.9
8.200	151.3	-122.8	110.0
8.300	151.3	-120.7	112.1
8.400	151.3	-118.6	114.1
8.500	151.3	-116.6	116.2
8.600	151.3	-114.4	118.3
8.700	151.3	-112.4	120.4
8.800	151.3	-110.3	122.5
8.900	151.3	-108.2	124.5
9.000	151.3	-106.1	117.1
9.000	151.3	-106.1	106.6
9.100	151.3	-124.1	108.6
9.200	151.3	-122.1	110.7
9.300	151.3	-120.0	112.8
9.400	151.3	-117.9	114.8
9.500	151.3	-115.8	116.9
9.600	151.3	-113.7	119.0
9.700	151.3	-111.6	121.1
9.800	151.3	-109.6	123.2
9.900	151.3	-107.5	125.2
10.000	151.3	-105.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-105.4	119.7
10.100	172.1	-142.9	121.8
10.200	172.1	-140.8	123.9
10.300	172.1	-138.7	126.0
10.400	172.1	-136.7	128.1
10.500	172.1	-134.6	130.2
10.600	172.1	-132.4	132.3
10.700	172.1	-130.3	134.4
10.800	172.1	-128.2	136.5
10.900	172.1	-126.1	138.6
11.000	172.1	-124.0	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	59.99	4.80	0.00	110.3
1.100	59.10	5.76	0.00	132.5
1.200	36.43	7.09	0.00	163.1
1.300	19.70	9.00	0.00	207.0
1.400	13.48	11.90	0.00	273.7
1.500	10.26	16.64	0.00	236.0
1.600	8.08	25.33	0.00	185.8
1.700	6.47	44.99	0.00	148.7
1.800	5.42	120.64	0.00	124.6
1.900	4.70	227.40	0.00	108.0
2.000	4.18	230.73	0.00	96.0
2.000	4.18	3.81	0.00	87.7
2.100	42.73	4.42	0.00	101.7
2.200	42.02	5.26	0.00	121.0
2.300	31.57	6.50	0.00	149.5
2.400	17.71	8.40	0.00	193.2
2.500	11.75	11.52	0.00	265.0
2.600	8.55	17.29	0.00	196.6
2.700	6.61	30.40	0.00	152.0
2.800	5.34	37.27	0.00	122.9
2.900	4.48	37.90	0.00	103.1
3.000	3.88	35.75	0.00	89.3
3.000	3.88	3.86	0.00	88.9
3.100	42.71	4.46	0.00	102.6
3.200	42.00	5.31	0.00	122.1
3.300	30.66	6.56	0.00	150.9
3.400	17.44	8.48	0.00	195.1
3.500	11.62	11.64	0.00	267.3
3.600	8.46	17.47	0.00	194.7
3.700	6.55	30.72	0.00	150.6
3.800	5.30	42.31	0.00	121.9
3.900	4.45	43.03	0.00	102.3
4.000	3.85	40.39	0.00	88.6

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.85	3.86	0.00	88.6
4.100	42.79	4.45	0.00	102.4
4.200	42.08	5.30	0.00	122.0
4.300	30.70	6.55	0.00	150.7
4.400	17.46	8.47	0.00	194.8
4.500	11.64	11.62	0.00	267.4
4.600	8.48	17.45	0.00	194.9
4.700	6.56	30.68	0.00	150.8
4.800	5.31	42.06	0.00	122.1
4.900	4.46	42.78	0.00	102.5
5.000	3.86	40.20	0.00	88.8
5.000	3.86	3.86	0.00	88.8
5.100	42.77	4.45	0.00	102.5
5.200	42.06	5.30	0.00	122.0
5.300	30.69	6.55	0.00	150.8
5.400	17.45	8.47	0.00	194.9
5.500	11.63	11.63	0.00	267.5
5.600	8.47	17.45	0.00	194.9
5.700	6.55	30.70	0.00	150.7
5.800	5.30	42.07	0.00	122.0
5.900	4.45	42.78	0.00	102.4
6.000	3.86	40.19	0.00	88.7
6.000	3.86	3.86	0.00	88.7
6.100	42.78	4.45	0.00	102.4
6.200	42.07	5.30	0.00	122.0
6.300	30.70	6.55	0.00	150.7
6.400	17.45	8.47	0.00	194.9
6.500	11.64	11.63	0.00	267.4
6.600	8.47	17.45	0.00	194.9
6.700	6.55	30.69	0.00	150.8
6.800	5.30	42.06	0.00	122.0
6.900	4.45	42.77	0.00	102.5
7.000	3.86	40.19	0.00	88.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.86	3.86	0.00	88.8
7.100	42.78	4.46	0.00	102.5
7.200	42.06	5.31	0.00	122.1
7.300	30.68	6.56	0.00	150.8
7.400	17.45	8.48	0.00	194.9
7.500	11.63	11.63	0.00	267.5
7.600	8.47	17.46	0.00	194.8
7.700	6.55	30.70	0.00	150.7
7.800	5.30	42.08	0.00	122.0
7.900	4.45	42.79	0.00	102.4
8.000	3.86	40.19	0.00	88.7
8.000	3.86	3.85	0.00	88.6
8.100	43.03	4.45	0.00	102.3
8.200	42.31	5.30	0.00	121.9
8.300	30.72	6.55	0.00	150.6
8.400	17.47	8.46	0.00	194.7
8.500	11.65	11.62	0.00	267.2
8.600	8.48	17.44	0.00	195.1
8.700	6.56	30.66	0.00	150.9
8.800	5.31	42.00	0.00	122.1
8.900	4.46	42.71	0.00	102.6
9.000	3.86	40.17	0.00	88.9
9.000	3.86	3.88	0.00	88.9
9.100	37.90	4.48	0.00	103.1
9.200	37.27	5.34	0.00	122.9
9.300	30.40	6.61	0.00	152.0
9.400	17.29	8.55	0.00	196.6
9.500	11.53	11.75	0.00	265.2
9.600	8.40	17.71	0.00	193.2
9.700	6.50	31.57	0.00	149.5
9.800	5.26	42.02	0.00	121.0
9.900	4.42	42.73	0.00	101.7
10.000	3.83	39.99	0.00	88.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.83	4.18	0.00	88.2
10.100	227.40	4.70	0.00	108.0
10.200	120.64	5.42	0.00	124.6
10.300	44.99	6.47	0.00	148.7
10.400	25.33	8.08	0.00	185.8
10.500	16.64	10.26	0.00	235.9
10.600	11.90	13.48	0.00	273.7
10.700	9.00	19.70	0.00	207.0
10.800	7.09	36.43	0.00	163.1
10.900	5.76	59.10	0.00	132.5
11.000	4.80	999.00	0.00	110.3

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity		Available Capacity for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000 32.2	332.2	332.2	-332.2	-332.2
1.100 50.5	332.2	332.2	-332.2	-332.2
1.200 63.5	332.2	332.2	-332.2	-332.2
1.300 71.3	332.2	332.2	-332.2	-332.2
1.400 73.9	332.2	332.2	-332.2	-332.2
1.500 71.2	332.2	332.2	-332.2	-332.2
1.600 63.1	332.2	332.2	-332.2	-332.2
1.700 49.8	332.2	332.2	-332.2	-332.2
1.800 31.2	332.2	332.2	-332.2	-332.2
1.900 07.4	332.2	332.2	-332.2	-332.2
2.000 78.4	332.2	332.2	-332.2	-332.2
2.000 25.6	279.4	279.4	-279.4	-279.4
2.100 50.3	279.4	279.4	-279.4	-279.4
2.200 69.9	279.4	279.4	-279.4	-279.4
2.300 84.3	279.4	279.4	-279.4	-279.4
2.400 93.5	279.4	279.4	-279.4	-279.4
2.500 97.5	279.4	279.4	-279.4	-279.4
2.600 96.3	279.4	279.4	-279.4	-279.4
2.700 89.8	279.4	279.4	-279.4	-279.4
2.800 78.2	279.4	279.4	-279.4	-279.4
2.900 61.4	279.4	279.4	-279.4	-279.4

3.000 39.4	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
3.000 39.4	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
3.100 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
3.200 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
3.300 92.9	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
3.400 00.3	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
3.500 02.6	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
3.600 99.6	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
3.700 91.4	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
3.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
3.900 59.4	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
 Rating Live Load: 3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
4.100 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
4.200 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
4.300 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
4.400 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
4.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
4.600 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
4.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
4.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
4.900 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.300 91.2	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
5.400 99.0	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
5.500 01.6	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
5.600 98.9	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
5.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
5.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
5.900 59.8	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2

6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.100	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2
59.8								
6.200	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
78.0								
6.300	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
6.400	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
98.9								
6.500	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
01.6								
6.600	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
99.0								
6.700	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
91.2								
6.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.900	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
60.0								
7.000	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
36.7								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
7.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
7.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
7.300 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
7.400 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
7.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
7.600 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
7.700 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
7.800 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
7.900 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
8.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
8.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
8.100 59.4	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
8.200 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
8.300 91.4	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
8.400 99.6	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
8.500 02.6	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
8.600 00.3	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
8.700 92.9	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
8.800 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
8.900 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2

9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.100	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2
61.4								
9.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
9.300	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
89.8								
9.400	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
96.3								
9.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
97.5								
9.600	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
93.5								
9.700	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
84.3								
9.800	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
69.9								
9.900	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
50.3								
10.000	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
25.6								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.74	59.76	5.74	59.76	0.00	131.9
1.200	3.33	30.99	3.33	30.99	0.00	76.5
1.300	2.70	21.10	2.70	21.10	0.00	62.1
1.400	2.52	15.94	2.52	15.94	0.00	57.9
1.500	2.59	12.66	2.59	12.66	0.00	59.6
1.600	3.00	10.32	3.00	10.32	0.00	69.1
1.700	3.85	8.52	3.85	8.52	0.00	88.5
1.800	6.54	7.06	6.54	7.06	0.00	150.4
1.900	25.24	5.82	25.24	5.82	0.00	134.0
2.000	24.56	4.14	24.56	4.14	0.00	95.3
2.000	21.20	3.36	21.20	3.36	0.00	77.2
2.100	32.16	4.44	32.16	4.44	0.00	102.1
2.200	6.29	5.60	6.29	5.60	0.00	128.8
2.300	3.86	7.11	3.86	7.11	0.00	88.8
2.400	3.15	9.22	3.15	9.22	0.00	72.4
2.500	2.91	12.59	2.91	12.59	0.00	66.9
2.600	3.10	10.49	3.10	10.49	0.00	71.3
2.700	3.75	8.15	3.75	8.15	0.00	86.3
2.800	5.99	6.48	5.99	6.48	0.00	137.8
2.900	22.10	5.20	22.10	5.20	0.00	119.7
3.000	18.46	3.79	18.46	3.79	0.00	87.1
3.000	18.46	3.79	18.46	3.79	0.00	87.1
3.100	19.62	5.25	19.62	5.25	0.00	120.8
3.200	5.96	6.56	5.96	6.56	0.00	137.0
3.300	3.71	8.26	3.71	8.26	0.00	85.3
3.400	3.05	10.65	3.05	10.65	0.00	70.0
3.500	2.84	14.39	2.84	14.39	0.00	65.4
3.600	3.05	10.58	3.05	10.58	0.00	70.2
3.700	3.73	8.18	3.73	8.18	0.00	85.7
3.800	6.00	6.48	6.00	6.48	0.00	137.9
3.900	22.26	5.17	22.26	5.17	0.00	118.9
4.000	20.98	3.73	20.98	3.73	0.00	85.8

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	20.98	3.73	20.98	3.73	0.00	85.8
4.100	22.39	5.17	22.39	5.17	0.00	118.8
4.200	6.01	6.47	6.01	6.47	0.00	138.2
4.300	3.74	8.16	3.74	8.16	0.00	85.9
4.400	3.07	10.54	3.07	10.54	0.00	70.5
4.500	2.86	14.32	2.86	14.32	0.00	65.7
4.600	3.06	10.55	3.06	10.55	0.00	70.5
4.700	3.73	8.17	3.73	8.17	0.00	85.8
4.800	6.00	6.48	6.00	6.48	0.00	137.9
4.900	22.22	5.18	22.22	5.18	0.00	119.2
5.000	20.92	3.74	20.92	3.74	0.00	86.1
5.000	20.92	3.74	20.92	3.74	0.00	86.1
5.100	22.23	5.18	22.23	5.18	0.00	119.2
5.200	5.99	6.49	5.99	6.49	0.00	137.8
5.300	3.73	8.18	3.73	8.18	0.00	85.7
5.400	3.06	10.56	3.06	10.56	0.00	70.4
5.500	2.85	14.34	2.85	14.34	0.00	65.6
5.600	3.06	10.55	3.06	10.55	0.00	70.4
5.700	3.73	8.17	3.73	8.17	0.00	85.8
5.800	6.00	6.48	6.00	6.48	0.00	137.9
5.900	22.24	5.18	22.24	5.18	0.00	119.1
6.000	20.94	3.74	20.94	3.74	0.00	86.0
6.000	20.94	3.74	20.94	3.74	0.00	86.0
6.100	22.24	5.18	22.24	5.18	0.00	119.1
6.200	6.00	6.48	6.00	6.48	0.00	137.9
6.300	3.73	8.17	3.73	8.17	0.00	85.8
6.400	3.06	10.55	3.06	10.55	0.00	70.4
6.500	2.85	14.34	2.85	14.34	0.00	65.6
6.600	3.06	10.56	3.06	10.56	0.00	70.4
6.700	3.73	8.18	3.73	8.18	0.00	85.7
6.800	5.99	6.49	5.99	6.49	0.00	137.8
6.900	22.23	5.18	22.23	5.18	0.00	119.2
7.000	20.92	3.74	20.92	3.74	0.00	86.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	20.92	3.74	20.92	3.74	0.00	86.1
7.100	22.22	5.18	22.22	5.18	0.00	119.2
7.200	6.00	6.48	6.00	6.48	0.00	137.9
7.300	3.73	8.17	3.73	8.17	0.00	85.8
7.400	3.06	10.55	3.06	10.55	0.00	70.5
7.500	2.86	14.32	2.86	14.32	0.00	65.7
7.600	3.07	10.54	3.07	10.54	0.00	70.5
7.700	3.74	8.16	3.74	8.16	0.00	85.9
7.800	6.01	6.47	6.01	6.47	0.00	138.2
7.900	22.39	5.17	22.39	5.17	0.00	118.8
8.000	20.98	3.73	20.98	3.73	0.00	85.8
8.000	20.98	3.73	20.98	3.73	0.00	85.8
8.100	22.26	5.17	22.26	5.17	0.00	118.9
8.200	6.00	6.48	6.00	6.48	0.00	137.9
8.300	3.73	8.18	3.73	8.18	0.00	85.7
8.400	3.05	10.58	3.05	10.58	0.00	70.2
8.500	2.84	14.39	2.84	14.39	0.00	65.4
8.600	3.05	10.65	3.05	10.65	0.00	70.0
8.700	3.71	8.26	3.71	8.26	0.00	85.3
8.800	5.96	6.56	5.96	6.56	0.00	137.0
8.900	19.62	5.25	19.62	5.25	0.00	120.8
9.000	18.46	3.79	18.46	3.79	0.00	87.1
9.000	18.46	3.79	18.46	3.79	0.00	87.1
9.100	22.10	5.20	22.10	5.20	0.00	119.7
9.200	5.99	6.48	5.99	6.48	0.00	137.8
9.300	3.75	8.15	3.75	8.15	0.00	86.3
9.400	3.10	10.49	3.10	10.49	0.00	71.3
9.500	2.91	12.59	2.91	12.59	0.00	66.9
9.600	3.15	9.22	3.15	9.22	0.00	72.4
9.700	3.86	7.11	3.86	7.11	0.00	88.8
9.800	6.29	5.60	6.29	5.60	0.00	128.8
9.900	32.16	4.44	32.16	4.44	0.00	102.1
10.000	21.20	3.36	21.20	3.36	0.00	77.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	21.20	3.36	21.20	3.36	0.00	77.2
10.100	25.24	5.82	25.24	5.82	0.00	134.0
10.200	6.54	7.06	6.54	7.06	0.00	150.4
10.300	3.85	8.52	3.85	8.52	0.00	88.5
10.400	3.00	10.32	3.00	10.32	0.00	69.1
10.500	2.59	12.66	2.59	12.66	0.00	59.6
10.600	2.52	15.94	2.52	15.94	0.00	57.9
10.700	2.70	21.10	2.70	21.10	0.00	62.1
10.800	3.33	30.99	3.33	30.99	0.00	76.5
10.900	5.74	59.76	5.74	59.76	0.00	131.9
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	16.7	55.94 R	43.03
1.200	2.8	28.5	90.72 R	69.79
1.300	3.5	35.6	113.33 R	87.18
1.400	3.7	38.0	123.73 R	95.18
1.500	3.5	35.5	120.28 L	92.52
1.600	2.8	28.1	107.73 L	82.87
1.700	1.7	15.9	83.88 L	64.52
1.800	0.1	-1.1	-50.81 R	-39.09
1.900	-2.0	-22.8	-57.17 R	-43.97
2.000	-4.5	-49.4	-81.02 R	-62.32
2.000	-4.5	-49.4	-81.02 R	-62.32
2.100	-2.6	-26.5	-60.96 L	-46.89
2.200	-1.0	-8.5	-52.10 L	-40.08
2.300	0.1	4.8	72.96 R	56.13
2.400	0.8	13.3	90.47 R	69.60
2.500	1.2	17.0	93.76 R	72.12
2.600	1.1	15.7	90.83 L	69.87
2.700	0.7	9.7	73.62 L	56.63
2.800	-0.1	-1.1	-46.46 R	-35.74
2.900	-1.3	-16.7	-54.40 R	-41.84
3.000	-2.9	-37.0	-74.77 L	-57.52
3.000	-2.9	-37.0	-74.77 L	-57.52
3.100	-1.2	-15.8	-54.10 L	-41.61
3.200	0.1	0.7	-46.24 L	-35.57
3.300	1.0	12.4	73.68 R	56.68
3.400	1.6	19.3	91.05 R	70.04
3.500	1.7	21.5	94.15 L	72.42
3.600	1.5	18.7	91.07 L	70.06
3.700	0.9	11.1	73.73 L	56.72
3.800	-0.1	-1.3	-46.46 R	-35.74
3.900	-1.5	-18.4	-54.35 R	-41.81
4.000	-3.3	-40.3	-74.73 L	-57.48

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.3	-74.73 L 0.00	-57.48 0.00
4.100	-1.6	-18.7	-54.33 L 0.00	-41.79 0.00
4.200	-0.2	-1.8	-46.44 L 0.00	-35.73 0.00
4.300	0.8	10.4	73.74 R 0.00	56.72 0.00
4.400	1.4	17.7	91.09 R 0.00	70.07 0.00
4.500	1.6	20.3	94.17 L 0.00	72.44 0.00
4.600	1.4	17.9	91.09 L 0.00	70.07 0.00
4.700	0.8	10.7	73.74 L 0.00	56.72 0.00
4.800	-0.1	-1.2	-46.46 R 0.00	-35.74 0.00
4.900	-1.5	-17.9	-54.35 R 0.00	-41.81 0.00
5.000	-3.2	-39.4	-74.73 L 0.00	-57.48 0.00
5.000	-3.2	-39.4	-74.73 L 0.00	-57.48 0.00
5.100	-1.5	-17.9	-54.35 L 0.00	-41.81 0.00
5.200	-0.1	-1.1	-46.46 L 0.00	-35.74 0.00
5.300	0.9	10.9	73.74 R 0.00	56.72 0.00
5.400	1.4	18.1	91.09 R 0.00	70.07 0.00
5.500	1.6	20.6	94.17 R 0.00	72.44 0.00
5.600	1.4	18.1	91.09 L 0.00	70.07 0.00
5.700	0.8	10.8	73.74 L 0.00	56.72 0.00
5.800	-0.1	-1.3	-46.46 R 0.00	-35.74 0.00
5.900	-1.5	-18.1	-54.35 R 0.00	-41.81 0.00
6.000	-3.3	-39.7	-74.73 R 0.00	-57.48 0.00
6.000	-3.3	-39.7	-74.73 R 0.00	-57.48 0.00
6.100	-1.5	-18.1	-54.35 L 0.00	-41.81 0.00
6.200	-0.1	-1.3	-46.46 L 0.00	-35.74 0.00
6.300	0.8	10.8	73.74 R 0.00	56.72 0.00
6.400	1.4	18.1	91.09 R 0.00	70.07 0.00
6.500	1.6	20.6	94.17 R 0.00	72.44 0.00
6.600	1.4	18.1	91.09 L 0.00	70.07 0.00
6.700	0.9	10.9	73.74 L 0.00	56.72 0.00
6.800	-0.1	-1.1	-46.46 R 0.00	-35.74 0.00
6.900	-1.5	-17.9	-54.35 R 0.00	-41.81 0.00
7.000	-3.2	-39.4	-74.73 R 0.00	-57.48 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.4	-74.73 R 0.00	-57.48 0.00
7.100	-1.5	-17.9	-54.35 L 0.00	-41.81 0.00
7.200	-0.1	-1.2	-46.46 L 0.00	-35.74 0.00
7.300	0.8	10.7	73.74 R 0.00	56.72 0.00
7.400	1.4	17.9	91.09 R 0.00	70.07 0.00
7.500	1.6	20.3	94.17 R 0.00	72.44 0.00
7.600	1.4	17.7	91.09 L 0.00	70.07 0.00
7.700	0.8	10.4	73.74 L 0.00	56.72 0.00
7.800	-0.2	-1.8	-46.44 R 0.00	-35.73 0.00
7.900	-1.6	-18.7	-54.33 R 0.00	-41.79 0.00
8.000	-3.3	-40.3	-74.73 R 0.00	-57.48 0.00
8.000	-3.3	-40.3	-74.73 R 0.00	-57.48 0.00
8.100	-1.5	-18.4	-54.35 L 0.00	-41.81 0.00
8.200	-0.1	-1.3	-46.46 L 0.00	-35.74 0.00
8.300	0.9	11.1	73.73 R 0.00	56.72 0.00
8.400	1.5	18.7	91.07 R 0.00	70.06 0.00
8.500	1.7	21.5	94.15 R 0.00	72.42 0.00
8.600	1.6	19.3	91.05 L 0.00	70.04 0.00
8.700	1.0	12.4	73.68 L 0.00	56.68 0.00
8.800	0.1	0.7	-46.24 R 0.00	-35.57 0.00
8.900	-1.2	-15.8	-54.10 R 0.00	-41.61 0.00
9.000	-2.9	-37.0	-74.77 R 0.00	-57.52 0.00
9.000	-2.9	-37.0	-74.77 R 0.00	-57.52 0.00
9.100	-1.3	-16.7	-54.40 L 0.00	-41.85 0.00
9.200	-0.1	-1.1	-46.46 L 0.00	-35.74 0.00
9.300	0.7	9.7	73.62 R 0.00	56.63 0.00
9.400	1.1	15.7	90.83 R 0.00	69.87 0.00
9.500	1.2	17.0	93.76 L 0.00	72.12 0.00
9.600	0.8	13.3	90.47 L 0.00	69.60 0.00
9.700	0.1	4.8	72.96 L 0.00	56.13 0.00
9.800	-1.0	-8.5	-52.10 R 0.00	-40.08 0.00
9.900	-2.6	-26.5	-60.96 R 0.00	-46.89 0.00
10.000	-4.5	-49.4	-81.02 L 0.00	-62.32 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-49.4	-81.02	L 0.00	-62.32	0.00
10.100	-2.0	-22.8	-57.17	L 0.00	-43.97	0.00
10.200	0.1	-1.1	-50.81	L 0.00	-39.09	0.00
10.300	1.7	15.9	83.88	R 0.00	64.52	0.00
10.400	2.8	28.1	107.73	R 0.00	82.87	0.00
10.500	3.5	35.5	120.28	R 0.00	92.52	0.00
10.600	3.7	38.0	123.73	L 0.00	95.18	0.00
10.700	3.5	35.6	113.33	L 0.00	87.18	0.00
10.800	2.8	28.5	90.72	L 0.00	69.79	0.00
10.900	1.6	16.7	55.94	L 0.00	43.03	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
0	1.100	359.7C	319.4	-319.4	-359.7C	341.4	301.2	-337.7	-378.
0	1.200	359.7C	319.4	-319.4	-359.7C	328.4	288.1	-350.7	-391.
8	1.300	359.7C	319.4	-319.4	-359.7C	320.6	280.3	-358.5	-398.
3	1.400	359.7C	319.4	-319.4	-359.7C	318.0	277.8	-361.1	-401.
7	1.500	359.7C	319.4	-319.4	-359.7C	320.7	280.4	-358.4	-398.
6	1.600	359.7C	319.4	-319.4	-359.7C	328.8	288.5	-350.3	-390.
3	1.700	359.7C	319.4	-319.4	-359.7C	342.1	301.8	-337.0	-377.
7	1.800	359.7C	319.4	-319.4	-359.7C	360.7	320.4	-318.4	-358.
9	1.900	359.7C	319.4	-319.4	-359.7C	384.5	344.2	-294.6	-334.
9	2.000	359.7C	319.4	-319.4	-359.7C	413.5	373.2	-265.6	-305.
8	2.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.
6	2.100	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
1	2.200	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
5	2.300	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
7	2.400	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
8	2.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
5	2.600	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
0	2.700	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
4	2.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
6	2.900	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.

7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	3.100	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.
5	3.200	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
1	3.300	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
6	3.400	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8	3.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8	3.600	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
6	3.700	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
2	3.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
7	3.900	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
0	4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
4.100	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
4.200	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
4.300	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
4.400	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
4.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
4.600	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
4.700	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
4.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4.900	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.100	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
5.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.300	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
5.400	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
5.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
5.600	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
5.700	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
5.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
5.900	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.

6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
0	6.100	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.
2	6.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
3	6.300	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
1	6.400	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
8	6.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
2	6.600	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
4	6.700	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
4	6.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
3	6.900	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
0	7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
0	7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
2	7.100	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
3	7.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
2	7.300	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
9	7.400	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
5	7.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
7	7.600	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
8	7.700	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
7	7.800	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
4	7.900	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
0	8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
0	8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
7	8.100	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
2	8.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
6	8.300	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
8	8.400	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
8	8.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
6	8.600	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
1	8.700	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
5	8.800	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
6	8.900	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.

7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	9.100	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.
4	9.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
0	9.300	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
5	9.400	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
8	9.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
7	9.600	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
5	9.700	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
1	9.800	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
6	9.900	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
8	10.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	6.10	53.17	5.38	59.51	0.00	145.3
1.200	3.62	27.61	3.18	30.78	0.00	85.7
1.300	2.83	18.82	2.47	20.93	0.00	66.8
1.400	2.57	14.21	2.24	15.80	0.00	60.6
1.500	2.67	11.28	2.33	12.55	0.00	63.0
1.600	3.05	9.19	2.68	10.25	0.00	72.3
1.700	4.08	7.58	3.60	8.48	0.00	97.2
1.800	7.58	6.27	6.74	7.06	0.00	169.2
1.900	25.46	5.15	22.80	5.86	0.00	139.2
2.000	24.30	3.28	21.93	3.78	0.00	88.5
2.000	20.83	2.65	18.95	3.05	0.00	71.6
2.100	36.82	3.93	33.25	4.45	0.00	106.1
2.200	7.33	4.97	6.57	5.59	0.00	134.3
2.300	4.05	6.32	3.62	7.06	0.00	97.6
2.400	3.17	8.22	2.81	9.15	0.00	76.0
2.500	3.01	11.22	2.67	12.48	0.00	72.1
2.600	3.12	9.33	2.77	10.38	0.00	74.8
2.700	3.94	7.24	3.51	8.07	0.00	94.7
2.800	7.00	5.76	6.26	6.44	0.00	155.4
2.900	22.18	4.61	19.95	5.20	0.00	124.4
3.000	18.21	3.06	16.50	3.49	0.00	82.6
3.000	18.21	3.06	16.50	3.49	0.00	82.6
3.100	19.65	4.65	17.67	5.24	0.00	125.6
3.200	6.96	5.83	6.22	6.52	0.00	157.3
3.300	3.90	7.35	3.46	8.18	0.00	93.5
3.400	3.07	9.48	2.72	10.53	0.00	73.5
3.500	2.95	12.82	2.61	14.22	0.00	70.4
3.600	3.08	9.42	2.73	10.46	0.00	73.7
3.700	3.91	7.28	3.48	8.11	0.00	94.0
3.800	7.00	5.75	6.26	6.44	0.00	155.3
3.900	22.33	4.57	20.10	5.16	0.00	123.5
4.000	20.64	3.01	18.73	3.44	0.00	81.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	20.64	3.01	18.73	3.44	0.00	81.3
4.100	22.46	4.57	20.22	5.16	0.00	123.5
4.200	7.02	5.74	6.28	6.43	0.00	155.0
4.300	3.93	7.26	3.49	8.09	0.00	94.3
4.400	3.09	9.38	2.74	10.43	0.00	74.0
4.500	2.96	12.75	2.62	14.16	0.00	70.8
4.600	3.09	9.39	2.74	10.43	0.00	73.9
4.700	3.92	7.27	3.49	8.10	0.00	94.1
4.800	7.00	5.75	6.26	6.44	0.00	155.4
4.900	22.30	4.59	20.07	5.17	0.00	123.8
5.000	20.58	3.02	18.67	3.45	0.00	81.7
5.100	22.30	4.59	20.07	5.18	0.00	123.8
5.200	7.00	5.76	6.26	6.45	0.00	155.4
5.300	3.92	7.27	3.48	8.10	0.00	94.1
5.400	3.09	9.40	2.73	10.44	0.00	73.8
5.500	2.96	12.77	2.62	14.17	0.00	70.7
5.600	3.09	9.39	2.73	10.44	0.00	73.8
5.700	3.92	7.27	3.49	8.10	0.00	94.1
5.800	7.00	5.75	6.26	6.44	0.00	155.3
5.900	22.31	4.58	20.08	5.17	0.00	123.7
6.000	20.60	3.02	18.69	3.45	0.00	81.5
6.100	22.31	4.58	20.08	5.17	0.00	123.7
6.200	7.00	5.75	6.26	6.44	0.00	155.3
6.300	3.92	7.27	3.49	8.10	0.00	94.1
6.400	3.09	9.39	2.73	10.44	0.00	73.8
6.500	2.96	12.77	2.62	14.17	0.00	70.7
6.600	3.09	9.40	2.73	10.44	0.00	73.8
6.700	3.92	7.27	3.48	8.10	0.00	94.1
6.800	7.00	5.76	6.26	6.45	0.00	155.4
6.900	22.30	4.59	20.07	5.18	0.00	123.8
7.000	20.58	3.02	18.67	3.45	0.00	81.7

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	20.58	3.02	18.67	3.45	0.00	81.7
7.100	22.30	4.59	20.07	5.17	0.00	123.8
7.200	7.00	5.75	6.26	6.44	0.00	155.3
7.300	3.92	7.27	3.49	8.10	0.00	94.1
7.400	3.09	9.39	2.74	10.43	0.00	73.9
7.500	2.96	12.75	2.62	14.16	0.00	70.8
7.600	3.09	9.38	2.74	10.43	0.00	74.0
7.700	3.93	7.26	3.49	8.09	0.00	94.3
7.800	7.02	5.74	6.28	6.43	0.00	155.0
7.900	22.46	4.57	20.22	5.16	0.00	123.5
8.000	20.64	3.01	18.73	3.44	0.00	81.3
8.000	20.64	3.01	18.73	3.44	0.00	81.3
8.100	22.33	4.57	20.10	5.16	0.00	123.5
8.200	7.00	5.75	6.26	6.44	0.00	155.3
8.300	3.91	7.28	3.48	8.11	0.00	94.0
8.400	3.08	9.42	2.73	10.46	0.00	73.7
8.500	2.95	12.82	2.61	14.22	0.00	70.4
8.600	3.07	9.48	2.72	10.53	0.00	73.5
8.700	3.90	7.35	3.46	8.18	0.00	93.5
8.800	6.96	5.83	6.22	6.52	0.00	157.3
8.900	19.65	4.65	17.67	5.24	0.00	125.6
9.000	18.21	3.06	16.50	3.49	0.00	82.6
9.000	18.21	3.06	16.50	3.49	0.00	82.6
9.100	22.18	4.61	19.95	5.20	0.00	124.4
9.200	7.00	5.76	6.26	6.44	0.00	155.4
9.300	3.94	7.24	3.51	8.07	0.00	94.7
9.400	3.12	9.33	2.77	10.38	0.00	74.8
9.500	3.01	11.22	2.67	12.48	0.00	72.1
9.600	3.17	8.22	2.81	9.15	0.00	76.0
9.700	4.05	6.32	3.62	7.06	0.00	97.6
9.800	7.33	4.97	6.57	5.59	0.00	134.3
9.900	36.82	3.93	33.25	4.45	0.00	106.1
10.000	20.83	2.65	18.95	3.05	0.00	71.6

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	24.30	2.65	18.95	3.78	0.00	71.6
10.100	25.46	5.15	22.80	5.86	0.00	139.2
10.200	7.58	6.27	6.74	7.06	0.00	169.2
10.300	4.08	7.58	3.60	8.48	0.00	97.2
10.400	3.05	9.19	2.68	10.25	0.00	72.3
10.500	2.67	11.28	2.33	12.55	0.00	63.0
10.600	2.57	14.21	2.24	15.80	0.00	60.6
10.700	2.83	18.82	2.47	20.93	0.00	66.8
10.800	3.62	27.61	3.18	30.78	0.00	85.7
10.900	6.10	53.17	5.38	59.51	0.00	145.3
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	26.84	0.00	20.64	0.00
1.100	0.6	5.7	22.38	0.00	17.21	0.00
1.200	0.4	3.8	18.14	0.00	13.96	0.00
1.300	0.2	1.9	14.28	0.00	10.98	0.00
1.400	0.0	-0.1	10.60	0.00	8.16	0.00
1.500	-0.2	-2.0	-12.77	0.00	-9.82	0.00
1.600	-0.4	-3.9	-16.26	0.00	-12.51	0.00
1.700	-0.5	-5.8	-19.93	0.00	-15.33	0.00
1.800	-0.7	-7.7	-23.48	0.00	-18.06	0.00
1.900	-0.9	-9.7	-27.32	0.00	-21.02	0.00
2.000	-1.1	-11.6	-30.81	0.00	-23.70	0.00
2.000	0.8	-11.6	29.22	0.00	22.48	0.00
2.100	0.7	8.2	25.22	0.00	19.40	0.00
2.200	0.5	6.3	21.40	0.00	16.46	0.00
2.300	0.4	4.3	17.57	0.00	13.51	0.00
2.400	0.2	2.4	13.53	0.00	10.41	0.00
2.500	0.1	0.5	9.40	0.00	7.23	0.00
2.600	-0.1	-1.5	-13.41	0.00	-10.32	0.00
2.700	-0.2	-3.4	-17.45	0.00	-13.42	0.00
2.800	-0.4	-5.3	-21.27	0.00	-16.36	0.00
2.900	-0.6	-7.2	-25.11	0.00	-19.31	0.00
3.000	-0.7	-9.1	-29.01	0.00	-22.31	0.00
3.000	0.8	9.5	29.05	0.00	22.35	0.00
3.100	0.6	7.6	25.16	0.00	19.35	0.00
3.200	0.5	5.6	21.31	0.00	16.39	0.00
3.300	0.3	3.7	17.51	0.00	13.47	0.00
3.400	0.1	1.8	13.48	0.00	10.37	0.00
3.500	0.0	-0.1	9.34	0.00	7.19	0.00
3.600	-0.2	-2.1	-13.47	0.00	-10.36	0.00
3.700	-0.3	-4.0	-17.50	0.00	-13.46	0.00
3.800	-0.5	-5.9	-21.31	0.00	-16.39	0.00
3.900	-0.6	-7.8	-25.15	0.00	-19.35	0.00
4.000	-0.8	-9.7	-29.04	0.00	-22.34	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	29.05	0.00	22.34	0.00
4.100	0.6	7.7	25.16	0.00	19.35	0.00
4.200	0.5	5.8	21.31	0.00	16.39	0.00
4.300	0.3	3.9	17.50	0.00	13.47	0.00
4.400	0.2	2.0	13.47	0.00	10.36	0.00
4.500	0.0	0.1	9.34	0.00	7.19	0.00
4.600	-0.2	-1.9	-13.47	0.00	-10.36	0.00
4.700	-0.3	-3.8	-17.50	0.00	-13.46	0.00
4.800	-0.5	-5.7	-21.31	0.00	-16.39	0.00
4.900	-0.6	-7.7	-25.16	0.00	-19.35	0.00
5.000	-0.8	-9.6	-29.05	0.00	-22.34	0.00
5.000	0.8	9.6	29.05	0.00	22.34	0.00
5.100	0.6	7.7	25.16	0.00	19.35	0.00
5.200	0.5	5.8	21.31	0.00	16.39	0.00
5.300	0.3	3.8	17.50	0.00	13.46	0.00
5.400	0.2	1.9	13.47	0.00	10.36	0.00
5.500	0.0	0.0	9.34	0.00	7.19	0.00
5.600	-0.2	-2.0	-13.47	0.00	-10.36	0.00
5.700	-0.3	-3.9	-17.50	0.00	-13.46	0.00
5.800	-0.5	-5.8	-21.31	0.00	-16.39	0.00
5.900	-0.6	-7.7	-25.16	0.00	-19.35	0.00
6.000	-0.8	-9.6	-29.05	0.00	-22.34	0.00
6.000	0.8	9.6	29.05	0.00	22.34	0.00
6.100	0.6	7.7	25.16	0.00	19.35	0.00
6.200	0.5	5.8	21.31	0.00	16.39	0.00
6.300	0.3	3.9	17.50	0.00	13.46	0.00
6.400	0.2	2.0	13.47	0.00	10.36	0.00
6.500	0.0	0.0	9.34	0.00	7.19	0.00
6.600	-0.2	-1.9	-13.47	0.00	-10.36	0.00
6.700	-0.3	-3.8	-17.50	0.00	-13.46	0.00
6.800	-0.5	-5.8	-21.31	0.00	-16.39	0.00
6.900	-0.6	-7.7	-25.16	0.00	-19.35	0.00
7.000	-0.8	-9.6	-29.05	0.00	-22.34	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	29.05	0.00	22.34	0.00
7.100	0.6	7.7	25.16	0.00	19.35	0.00
7.200	0.5	5.7	21.31	0.00	16.39	0.00
7.300	0.3	3.8	17.50	0.00	13.46	0.00
7.400	0.2	1.9	13.47	0.00	10.36	0.00
7.500	0.0	0.0	9.34	0.00	-7.19	0.00
7.600	-0.2	-2.0	-13.47	0.00	-10.36	0.00
7.700	-0.3	-3.9	-17.50	0.00	-13.47	0.00
7.800	-0.5	-5.8	-21.31	0.00	-16.39	0.00
7.900	-0.6	-7.7	-25.16	0.00	-19.35	0.00
8.000	-0.8	-9.6	-29.05	0.00	-22.34	0.00
8.000	0.8	9.7	29.04	0.00	22.34	0.00
8.100	0.6	7.8	25.15	0.00	19.35	0.00
8.200	0.5	5.9	21.31	0.00	16.39	0.00
8.300	0.3	4.0	17.50	0.00	13.46	0.00
8.400	0.2	2.1	13.47	0.00	10.36	0.00
8.500	0.0	0.2	9.34	0.00	-7.19	0.00
8.600	-0.1	-1.8	-13.48	0.00	-10.37	0.00
8.700	-0.3	-3.7	-17.51	0.00	-13.47	0.00
8.800	-0.5	-5.6	-21.31	0.00	-16.39	0.00
8.900	-0.6	-7.6	-25.16	0.00	-19.35	0.00
9.000	-0.8	-9.5	-29.05	0.00	-22.35	0.00
9.000	0.7	-9.5	29.01	0.00	22.31	0.00
9.100	0.6	7.2	25.11	0.00	19.31	0.00
9.200	0.4	5.3	21.27	0.00	16.36	0.00
9.300	0.2	3.4	17.45	0.00	13.42	0.00
9.400	0.1	1.5	13.41	0.00	10.32	0.00
9.500	-0.1	-0.5	-9.40	0.00	-7.23	0.00
9.600	-0.2	-2.4	-13.53	0.00	-10.41	0.00
9.700	-0.4	-4.3	-17.57	0.00	-13.51	0.00
9.800	-0.5	-6.3	-21.40	0.00	-16.46	0.00
9.900	-0.7	-8.2	-25.22	0.00	-19.40	0.00
10.000	-0.8	-10.1	-29.10	0.00	-22.38	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	30.81	0.00	23.70	0.00
10.100	0.9	9.7	27.32	0.00	21.02	0.00
10.200	0.7	7.7	23.48	0.00	18.06	0.00
10.300	0.5	5.8	19.93	0.00	15.33	0.00
10.400	0.4	3.9	16.26	0.00	12.51	0.00
10.500	0.2	2.0	12.77	0.00	9.82	0.00
10.600	0.0	0.1	-11.03	0.00	-8.49	0.00
10.700	-0.2	-1.9	-14.28	0.00	-10.98	0.00
10.800	-0.4	-3.8	-18.14	0.00	-13.96	0.00
10.900	-0.6	-5.7	-22.38	0.00	-17.21	0.00
11.000	-0.7	-7.6	-26.84	0.00	-20.64	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.7	124.0
1.100	172.1	-138.6	126.1
1.200	172.1	-136.5	128.2
1.300	172.1	-134.4	130.3
1.400	172.1	-132.3	132.4
1.500	172.1	-130.3	134.5
1.600	172.1	-128.1	136.7
1.700	172.1	-126.0	138.7
1.800	172.1	-123.9	140.8
1.900	172.1	-121.8	142.9
2.000	172.1	-119.7	145.0
2.000	151.3	-119.7	105.4
2.100	151.3	-125.2	107.5
2.200	151.3	-123.2	109.6
2.300	151.3	-121.1	111.6
2.400	151.3	-119.0	113.7
2.500	151.3	-117.0	115.8
2.600	151.3	-114.8	117.9
2.700	151.3	-112.8	120.0
2.800	151.3	-110.7	122.1
2.900	151.3	-108.6	124.1
3.000	151.3	-106.6	117.1
3.000	151.3	-106.6	106.1
3.100	151.3	-124.5	108.2
3.200	151.3	-122.5	110.3
3.300	151.3	-120.4	112.4
3.400	151.3	-118.3	114.4
3.500	151.3	-116.3	116.5
3.600	151.3	-114.1	118.6
3.700	151.3	-112.1	120.7
3.800	151.3	-110.0	122.8
3.900	151.3	-107.9	124.8
4.000	151.3	-105.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-105.8	106.0
4.100	151.3	-124.7	108.0
4.200	151.3	-122.6	110.1
4.300	151.3	-120.6	112.2
4.400	151.3	-118.5	114.2
4.500	151.3	-116.4	116.3
4.600	151.3	-114.3	118.4
4.700	151.3	-112.2	120.5
4.800	151.3	-110.2	122.6
4.900	151.3	-108.1	124.6
5.000	151.3	-106.0	117.1
5.000	151.3	-106.0	106.0
5.100	151.3	-124.7	108.1
5.200	151.3	-122.6	110.1
5.300	151.3	-120.5	112.2
5.400	151.3	-118.5	114.3
5.500	151.3	-116.4	116.4
5.600	151.3	-114.3	118.5
5.700	151.3	-112.2	120.6
5.800	151.3	-110.1	122.6
5.900	151.3	-108.1	124.7
6.000	151.3	-106.0	117.2
6.000	151.3	-106.0	106.0
6.100	151.3	-124.7	108.1
6.200	151.3	-122.6	110.1
6.300	151.3	-120.6	112.2
6.400	151.3	-118.5	114.3
6.500	151.3	-116.4	116.3
6.600	151.3	-114.3	118.5
6.700	151.3	-112.2	120.5
6.800	151.3	-110.1	122.6
6.900	151.3	-108.1	124.7
7.000	151.3	-106.0	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.0	106.0
7.100	151.3	-124.6	108.1
7.200	151.3	-122.6	110.2
7.300	151.3	-120.5	112.2
7.400	151.3	-118.4	114.3
7.500	151.3	-116.4	116.4
7.600	151.3	-114.2	118.5
7.700	151.3	-112.2	120.6
7.800	151.3	-110.1	122.6
7.900	151.3	-108.0	124.7
8.000	151.3	-106.0	117.2
8.000	151.3	-106.0	105.8
8.100	151.3	-124.8	107.9
8.200	151.3	-122.8	110.0
8.300	151.3	-120.7	112.1
8.400	151.3	-118.6	114.1
8.500	151.3	-116.6	116.2
8.600	151.3	-114.4	118.3
8.700	151.3	-112.4	120.4
8.800	151.3	-110.3	122.5
8.900	151.3	-108.2	124.5
9.000	151.3	-106.1	117.1
9.000	151.3	-106.1	106.6
9.100	151.3	-124.1	108.6
9.200	151.3	-122.1	110.7
9.300	151.3	-120.0	112.8
9.400	151.3	-117.9	114.8
9.500	151.3	-115.8	116.9
9.600	151.3	-113.7	119.0
9.700	151.3	-111.6	121.1
9.800	151.3	-109.6	123.2
9.900	151.3	-107.5	125.2
10.000	151.3	-105.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-105.4	119.7
10.100	172.1	-142.9	121.8
10.200	172.1	-140.8	123.9
10.300	172.1	-138.7	126.0
10.400	172.1	-136.7	128.1
10.500	172.1	-134.6	130.2
10.600	172.1	-132.4	132.3
10.700	172.1	-130.3	134.4
10.800	172.1	-128.2	136.5
10.900	172.1	-126.1	138.6
11.000	172.1	-124.0	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	55.59	4.62	0.00	124.8
1.100	54.77	5.64	0.00	152.2
1.200	44.24	7.07	0.00	190.8
1.300	23.93	9.13	0.00	246.5
1.400	14.52	12.49	0.00	337.1
1.500	10.20	18.18	0.00	275.5
1.600	7.88	29.66	0.00	212.7
1.700	6.32	61.33	0.00	170.7
1.800	5.28	207.65	0.00	142.5
1.900	4.46	210.74	0.00	120.4
2.000	3.89	213.83	0.00	104.9
2.000	3.89	3.61	0.00	97.4
2.100	39.60	4.26	0.00	115.1
2.200	38.94	5.12	0.00	138.3
2.300	38.29	6.36	0.00	171.6
2.400	20.94	8.40	0.00	226.9
2.500	12.61	12.32	0.00	332.7
2.600	8.56	20.21	0.00	231.2
2.700	6.46	34.01	0.00	174.5
2.800	5.20	34.60	0.00	140.5
2.900	4.33	35.06	0.00	116.8
3.000	3.67	33.07	0.00	99.2
3.000	3.67	3.65	0.00	98.7
3.100	39.58	4.30	0.00	116.1
3.200	38.92	5.18	0.00	139.7
3.300	38.26	6.42	0.00	173.3
3.400	20.38	8.49	0.00	229.2
3.500	12.45	12.47	0.00	336.2
3.600	8.47	20.42	0.00	228.8
3.700	6.40	38.55	0.00	172.9
3.800	5.16	39.21	0.00	139.4
3.900	4.29	39.73	0.00	115.8
4.000	3.64	37.29	0.00	98.4

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.64	3.65	0.00	98.4
4.100	39.65	4.29	0.00	115.9
4.200	38.99	5.17	0.00	139.5
4.300	38.34	6.41	0.00	173.0
4.400	20.41	8.48	0.00	228.9
4.500	12.47	12.45	0.00	336.2
4.600	8.48	20.40	0.00	229.1
4.700	6.41	38.33	0.00	173.1
4.800	5.17	38.98	0.00	139.6
4.900	4.30	39.49	0.00	116.0
5.000	3.65	37.12	0.00	98.6
5.000	3.65	3.65	0.00	98.5
5.100	39.64	4.30	0.00	116.0
5.200	38.98	5.17	0.00	139.6
5.300	38.32	6.41	0.00	173.1
5.400	20.40	8.48	0.00	229.0
5.500	12.46	12.46	0.00	336.3
5.600	8.48	20.41	0.00	229.0
5.700	6.41	38.33	0.00	173.0
5.800	5.17	38.99	0.00	139.5
5.900	4.30	39.50	0.00	116.0
6.000	3.65	37.11	0.00	98.5
6.000	3.65	3.65	0.00	98.5
6.100	39.65	4.30	0.00	116.0
6.200	38.99	5.17	0.00	139.5
6.300	38.33	6.41	0.00	173.0
6.400	20.41	8.48	0.00	229.0
6.500	12.46	12.45	0.00	336.3
6.600	8.48	20.40	0.00	229.0
6.700	6.41	38.32	0.00	173.1
6.800	5.17	38.98	0.00	139.6
6.900	4.30	39.49	0.00	116.0
7.000	3.65	37.11	0.00	98.5

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.65	3.65	0.00	98.5
7.100	39.64	4.30	0.00	116.0
7.200	38.98	5.17	0.00	139.6
7.300	38.33	6.41	0.00	173.1
7.400	20.40	8.48	0.00	229.1
7.500	12.46	12.46	0.00	336.4
7.600	8.48	20.41	0.00	228.9
7.700	6.41	38.34	0.00	173.0
7.800	5.17	38.99	0.00	139.5
7.900	4.29	39.51	0.00	115.9
8.000	3.65	37.11	0.00	98.5
8.000	3.65	3.64	0.00	98.4
8.100	39.87	4.29	0.00	115.8
8.200	39.21	5.16	0.00	139.4
8.300	38.55	6.40	0.00	172.9
8.400	20.42	8.47	0.00	228.8
8.500	12.47	12.45	0.00	336.0
8.600	8.49	20.38	0.00	229.2
8.700	6.42	38.26	0.00	173.3
8.800	5.18	38.92	0.00	139.7
8.900	4.30	39.43	0.00	116.1
9.000	3.65	37.09	0.00	98.7
9.000	3.65	3.67	0.00	98.7
9.100	35.19	4.33	0.00	116.8
9.200	34.60	5.20	0.00	140.5
9.300	34.01	6.46	0.00	174.5
9.400	20.21	8.56	0.00	231.2
9.500	12.33	12.60	0.00	332.9
9.600	8.40	20.94	0.00	226.9
9.700	6.36	38.29	0.00	171.6
9.800	5.12	38.94	0.00	138.3
9.900	4.26	39.45	0.00	115.1
10.000	3.62	36.93	0.00	97.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.62	3.89	0.00	97.8
10.100	210.74	4.46	0.00	120.4
10.200	207.65	5.28	0.00	142.5
10.300	61.33	6.32	0.00	170.7
10.400	29.66	7.88	0.00	212.7
10.500	18.19	10.20	0.00	275.4
10.600	12.00	14.52	0.00	324.1
10.700	9.13	23.93	0.00	246.5
10.800	7.07	44.24	0.00	190.8
10.900	5.64	54.77	0.00	152.2
11.000	4.62	999.00	0.00	124.8

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 50.5	332.2	332.2	-332.2	-332.2	313.9	313.9	-350.5	-3
1.200 63.5	332.2	332.2	-332.2	-332.2	300.9	300.9	-363.5	-3
1.300 71.3	332.2	332.2	-332.2	-332.2	293.1	293.1	-371.3	-3
1.400 73.9	332.2	332.2	-332.2	-332.2	290.5	290.5	-373.9	-3
1.500 71.2	332.2	332.2	-332.2	-332.2	293.2	293.2	-371.2	-3
1.600 63.1	332.2	332.2	-332.2	-332.2	301.3	301.3	-363.1	-3
1.700 49.8	332.2	332.2	-332.2	-332.2	314.6	314.6	-349.8	-3
1.800 31.2	332.2	332.2	-332.2	-332.2	333.2	333.2	-331.2	-3
1.900 07.4	332.2	332.2	-332.2	-332.2	357.0	357.0	-307.4	-3
2.000 78.4	332.2	332.2	-332.2	-332.2	386.0	386.0	-278.4	-2
2.000 25.6	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
2.100 50.3	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
2.200 69.9	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
2.300 84.3	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
2.400 93.5	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
2.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
2.600 96.3	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
2.700 89.8	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
2.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
2.900 61.4	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2

3.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
3.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
3.100	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
62.4								
3.200	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
80.2								
3.300	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
92.9								
3.400	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
00.3								
3.500	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
02.6								
3.600	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
99.6								
3.700	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
91.4								
3.800	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
78.0								
3.900	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
59.4								
4.000	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
35.7								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
4.100 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
4.200 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
4.300 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
4.400 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
4.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
4.600 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
4.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
4.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
4.900 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.300 91.2	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
5.400 99.0	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
5.500 01.6	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
5.600 98.9	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
5.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
5.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
5.900 59.8	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2

6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.100	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2
59.8								
6.200	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
78.0								
6.300	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
6.400	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
98.9								
6.500	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
01.6								
6.600	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
99.0								
6.700	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
91.2								
6.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.900	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
60.0								
7.000	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
36.7								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.				
7.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
7.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
7.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
7.300 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
7.400 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
7.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
7.600 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
7.700 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
7.800 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
7.900 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
8.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
8.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
8.100 59.4	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
8.200 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
8.300 91.4	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
8.400 99.6	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
8.500 02.6	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
8.600 00.3	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
8.700 92.9	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
8.800 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
8.900 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2

9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.100	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2
61.4								
9.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
9.300	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
89.8								
9.400	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
96.3								
9.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
97.5								
9.600	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
93.5								
9.700	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
84.3								
9.800	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
69.9								
9.900	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
50.3								
10.000	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
25.6								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.61	55.18	5.61	55.18	0.00	151.5
1.200	3.32	28.61	3.32	28.61	0.00	89.5
1.300	2.59	19.49	2.59	19.49	0.00	69.8
1.400	2.35	14.72	2.35	14.72	0.00	63.4
1.500	2.44	11.69	2.44	11.69	0.00	65.8
1.600	2.80	9.53	2.80	9.53	0.00	75.5
1.700	3.75	7.87	3.75	7.87	0.00	101.3
1.800	7.00	6.52	7.00	6.52	0.00	176.0
1.900	23.64	5.38	23.64	5.38	0.00	145.2
2.000	22.68	3.44	22.68	3.44	0.00	92.8
2.000	19.58	2.78	19.58	2.78	0.00	75.2
2.100	34.45	4.11	34.45	4.11	0.00	110.9
2.200	6.83	5.18	6.83	5.18	0.00	139.8
2.300	3.76	6.57	3.76	6.57	0.00	101.6
2.400	2.93	8.53	2.93	8.53	0.00	79.2
2.500	2.79	11.65	2.79	11.65	0.00	75.2
2.600	2.89	9.68	2.89	9.68	0.00	78.0
2.700	3.65	7.52	3.65	7.52	0.00	98.6
2.800	6.50	5.99	6.50	5.99	0.00	161.7
2.900	20.70	4.80	20.70	4.80	0.00	129.7
3.000	17.07	3.20	17.07	3.20	0.00	86.5
3.000	17.07	3.20	17.07	3.20	0.00	86.5
3.100	18.33	4.85	18.33	4.85	0.00	131.0
3.200	6.47	6.06	6.47	6.06	0.00	163.6
3.300	3.61	7.63	3.61	7.63	0.00	97.5
3.400	2.84	9.84	2.84	9.84	0.00	76.7
3.500	2.72	13.29	2.72	13.29	0.00	73.5
3.600	2.85	9.77	2.85	9.77	0.00	76.9
3.700	3.63	7.55	3.63	7.55	0.00	97.9
3.800	6.51	5.98	6.51	5.98	0.00	161.6
3.900	20.85	4.77	20.85	4.77	0.00	128.9
4.000	19.37	3.15	19.37	3.15	0.00	85.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	19.37	3.15	19.37	3.15	0.00	85.2
4.100	20.97	4.77	20.97	4.77	0.00	128.8
4.200	6.52	5.97	6.52	5.97	0.00	161.3
4.300	3.64	7.54	3.64	7.54	0.00	98.2
4.400	2.86	9.73	2.86	9.73	0.00	77.2
4.500	2.73	13.22	2.73	13.22	0.00	73.8
4.600	2.86	9.74	2.86	9.74	0.00	77.1
4.700	3.63	7.54	3.63	7.54	0.00	98.1
4.800	6.51	5.99	6.51	5.99	0.00	161.6
4.900	20.82	4.78	20.82	4.78	0.00	129.2
5.000	19.31	3.17	19.31	3.17	0.00	85.5
5.000	19.31	3.17	19.31	3.17	0.00	85.5
5.100	20.82	4.78	20.82	4.78	0.00	129.2
5.200	6.51	5.99	6.51	5.99	0.00	161.7
5.300	3.63	7.55	3.63	7.55	0.00	98.0
5.400	2.85	9.75	2.85	9.75	0.00	77.0
5.500	2.73	13.24	2.73	13.24	0.00	73.7
5.600	2.85	9.74	2.85	9.74	0.00	77.0
5.700	3.63	7.55	3.63	7.55	0.00	98.0
5.800	6.51	5.98	6.51	5.98	0.00	161.6
5.900	20.83	4.78	20.83	4.78	0.00	129.1
6.000	19.33	3.16	19.33	3.16	0.00	85.4
6.000	19.33	3.16	19.33	3.16	0.00	85.4
6.100	20.83	4.78	20.83	4.78	0.00	129.0
6.200	6.51	5.98	6.51	5.98	0.00	161.6
6.300	3.63	7.55	3.63	7.55	0.00	98.0
6.400	2.85	9.74	2.85	9.74	0.00	77.0
6.500	2.73	13.24	2.73	13.24	0.00	73.7
6.600	2.85	9.75	2.85	9.75	0.00	77.0
6.700	3.63	7.55	3.63	7.55	0.00	98.0
6.800	6.51	5.99	6.51	5.99	0.00	161.7
6.900	20.82	4.78	20.82	4.78	0.00	129.2
7.000	19.31	3.17	19.31	3.17	0.00	85.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	19.31	3.17	19.31	3.17	0.00	85.5
7.100	20.82	4.78	20.82	4.78	0.00	129.1
7.200	6.51	5.99	6.51	5.99	0.00	161.6
7.300	3.63	7.54	3.63	7.54	0.00	98.1
7.400	2.86	9.74	2.86	9.74	0.00	77.1
7.500	2.73	13.22	2.73	13.22	0.00	73.8
7.600	2.86	9.73	2.86	9.73	0.00	77.2
7.700	3.64	7.54	3.64	7.54	0.00	98.2
7.800	6.52	5.97	6.52	5.97	0.00	161.3
7.900	20.97	4.77	20.97	4.77	0.00	128.8
8.000	19.37	3.15	19.37	3.15	0.00	85.2
8.000	19.37	3.15	19.37	3.15	0.00	85.2
8.100	20.85	4.77	20.85	4.77	0.00	128.9
8.200	6.51	5.98	6.51	5.98	0.00	161.6
8.300	3.63	7.55	3.63	7.55	0.00	97.9
8.400	2.85	9.77	2.85	9.77	0.00	76.9
8.500	2.72	13.29	2.72	13.29	0.00	73.5
8.600	2.84	9.84	2.84	9.84	0.00	76.7
8.700	3.61	7.63	3.61	7.63	0.00	97.5
8.800	6.47	6.06	6.47	6.06	0.00	163.6
8.900	18.33	4.85	18.33	4.85	0.00	131.0
9.000	17.07	3.20	17.07	3.20	0.00	86.5
9.000	17.07	3.20	17.07	3.20	0.00	86.5
9.100	20.70	4.80	20.70	4.80	0.00	129.7
9.200	6.50	5.99	6.50	5.99	0.00	161.7
9.300	3.65	7.52	3.65	7.52	0.00	98.6
9.400	2.89	9.68	2.89	9.68	0.00	78.0
9.500	2.79	11.65	2.79	11.65	0.00	75.2
9.600	2.93	8.53	2.93	8.53	0.00	79.2
9.700	3.76	6.57	3.76	6.57	0.00	101.6
9.800	6.83	5.18	6.83	5.18	0.00	139.8
9.900	34.45	4.11	34.45	4.11	0.00	110.9
10.000	19.58	2.78	19.58	2.78	0.00	75.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	19.58	2.78	19.58	2.78	0.00	75.2
10.100	23.64	5.38	23.64	5.38	0.00	145.2
10.200	7.00	6.52	7.00	6.52	0.00	176.0
10.300	3.75	7.87	3.75	7.87	0.00	101.3
10.400	2.80	9.53	2.80	9.53	0.00	75.5
10.500	2.44	11.69	2.44	11.69	0.00	65.8
10.600	2.35	14.72	2.35	14.72	0.00	63.4
10.700	2.59	19.49	2.59	19.49	0.00	69.8
10.800	3.32	28.61	3.32	28.61	0.00	89.5
10.900	5.61	55.18	5.61	55.18	0.00	151.5
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	16.7	53.15 R	40.89
1.200	2.8	28.5	87.66 R	67.43
1.300	3.5	35.6	105.12 R	80.86
1.400	3.7	38.0	110.37 R	84.90
1.500	3.5	35.5	107.89 R	82.99
1.600	2.8	28.1	98.63 L	75.87
1.700	1.7	15.9	81.06 R	62.36
1.800	0.1	-1.1	58.56 R	45.05
1.900	-2.0	-22.8	-52.01 L	-40.01
2.000	-4.5	-49.4	-73.62 L	-56.63
2.000	-4.5	-49.4	-73.62 L	-56.63
2.100	-2.6	-26.5	-55.01 L	-42.32
2.200	-1.0	-8.5	46.42 R	35.71
2.300	0.1	4.8	66.81 R	51.39
2.400	0.8	13.3	81.03 R	62.33
2.500	1.2	17.0	85.67 R	65.90
2.600	1.1	15.7	83.76 L	64.43
2.700	0.7	9.7	72.30 R	55.62
2.800	-0.1	-1.1	54.41 R	41.85
2.900	-1.3	-16.7	-46.77 R	-35.97
3.000	-2.9	-37.0	-59.44 L	-45.72
3.000	-2.9	-37.0	-59.44 L	-45.72
3.100	-1.2	-15.8	-46.56 L	-35.81
3.200	0.1	0.7	55.19 L	42.45
3.300	1.0	12.4	72.92 L	56.09
3.400	1.6	19.3	84.00 R	64.62
3.500	1.7	21.5	86.30 L	66.39
3.600	1.5	18.7	83.97 L	64.59
3.700	0.9	11.1	72.39 R	55.68
3.800	-0.1	-1.3	54.40 R	41.85
3.900	-1.5	-18.4	-46.77 R	-35.98
4.000	-3.3	-40.3	-59.56 R	-45.82

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.3	-59.56 R	0.00
4.100	-1.6	-18.7	-46.75 L	0.00
4.200	-0.2	-1.8	54.36 L	0.00
4.300	0.8	10.4	72.37 L	0.00
4.400	1.4	17.7	83.98 R	0.00
4.500	1.6	20.3	86.00 R	0.00
4.600	1.4	17.9	83.98 L	0.00
4.700	0.8	10.7	72.40 R	0.00
4.800	-0.1	-1.2	54.40 R	0.00
4.900	-1.5	-17.9	-46.77 R	0.00
5.000	-3.2	-39.4	-59.51 R	0.00
5.000	-3.2	-39.4	-59.51 R	0.00
5.100	-1.5	-17.9	-46.77 L	0.00
5.200	-0.1	-1.1	54.40 L	0.00
5.300	0.9	10.9	72.40 L	0.00
5.400	1.4	18.1	83.98 R	0.00
5.500	1.6	20.6	86.00 R	0.00
5.600	1.4	18.1	83.98 L	0.00
5.700	0.8	10.8	72.40 R	0.00
5.800	-0.1	-1.3	54.40 R	0.00
5.900	-1.5	-18.1	-46.77 R	0.00
6.000	-3.3	-39.7	-59.51 R	0.00
6.000	-3.3	-39.7	-59.51 R	0.00
6.100	-1.5	-18.1	-46.77 L	0.00
6.200	-0.1	-1.3	54.40 L	0.00
6.300	0.8	10.8	72.40 L	0.00
6.400	1.4	18.1	83.98 R	0.00
6.500	1.6	20.6	86.00 L	0.00
6.600	1.4	18.1	83.98 L	0.00
6.700	0.9	10.9	72.39 R	0.00
6.800	-0.1	-1.1	54.40 R	0.00
6.900	-1.5	-17.9	-46.77 R	0.00
7.000	-3.2	-39.4	-59.51 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.4	-59.51 L 0.00	-45.78 0.00
7.100	-1.5	-17.9	-46.77 L 0.00	-35.98 0.00
7.200	-0.1	-1.2	54.40 L 0.00	41.85 0.00
7.300	0.8	10.7	72.40 L 0.00	55.69 0.00
7.400	1.4	17.9	83.98 R 0.00	64.60 0.00
7.500	1.6	20.3	86.00 L 0.00	66.15 0.00
7.600	1.4	17.7	83.98 L 0.00	64.60 0.00
7.700	0.8	10.4	72.37 R 0.00	55.67 0.00
7.800	-0.2	-1.8	54.36 R 0.00	41.82 0.00
7.900	-1.6	-18.7	-46.75 R 0.00	-35.96 0.00
8.000	-3.3	-40.3	-59.56 L 0.00	-45.82 0.00
8.000	-3.3	-40.3	-59.56 L 0.00	-45.82 0.00
8.100	-1.5	-18.4	-46.77 L 0.00	-35.98 0.00
8.200	-0.1	-1.3	54.40 L 0.00	41.85 0.00
8.300	0.9	11.1	72.39 L 0.00	55.68 0.00
8.400	1.5	18.7	83.97 R 0.00	64.59 0.00
8.500	1.7	21.5	86.30 R 0.00	66.39 0.00
8.600	1.6	19.3	84.00 L 0.00	64.62 0.00
8.700	1.0	12.4	72.92 R 0.00	56.09 0.00
8.800	0.1	0.7	55.19 R 0.00	42.45 0.00
8.900	-1.2	-15.8	-46.56 R 0.00	-35.81 0.00
9.000	-2.9	-37.0	-59.44 R 0.00	-45.72 0.00
9.000	-2.9	-37.0	-59.44 R 0.00	-45.72 0.00
9.100	-1.3	-16.7	-46.77 L 0.00	-35.97 0.00
9.200	-0.1	-1.1	54.41 L 0.00	41.85 0.00
9.300	0.7	9.7	72.30 L 0.00	55.62 0.00
9.400	1.1	15.7	83.76 R 0.00	64.43 0.00
9.500	1.2	17.0	85.68 L 0.00	65.90 0.00
9.600	0.8	13.3	81.03 L 0.00	62.33 0.00
9.700	0.1	4.8	66.81 L 0.00	51.39 0.00
9.800	-1.0	-8.5	46.42 L 0.00	35.71 0.00
9.900	-2.6	-26.5	-55.01 R 0.00	-42.32 0.00
10.000	-4.5	-49.4	-73.62 R 0.00	-56.63 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-49.4	-73.62 R	0.00	-56.63	0.00
10.100	-2.0	-22.8	-52.01 R	0.00	-40.01	0.00
10.200	0.1	-1.1	58.56 L	0.00	45.05	0.00
10.300	1.7	15.9	81.06 L	0.00	62.36	0.00
10.400	2.8	28.1	98.63 R	0.00	75.87	0.00
10.500	3.5	35.5	107.89 L	0.00	82.99	0.00
10.600	3.7	38.0	110.37 L	0.00	84.90	0.00
10.700	3.5	35.6	105.12 L	0.00	80.86	0.00
10.800	2.8	28.5	87.66 L	0.00	67.43	0.00
10.900	1.6	16.7	53.15 L	0.00	40.89	0.00
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
0	1.100	359.7C	319.4	-319.4	-359.7C	341.4	301.2	-337.7	-378.
0	1.200	359.7C	319.4	-319.4	-359.7C	328.4	288.1	-350.7	-391.
8	1.300	359.7C	319.4	-319.4	-359.7C	320.6	280.3	-358.5	-398.
3	1.400	359.7C	319.4	-319.4	-359.7C	318.0	277.8	-361.1	-401.
7	1.500	359.7C	319.4	-319.4	-359.7C	320.7	280.4	-358.4	-398.
6	1.600	359.7C	319.4	-319.4	-359.7C	328.8	288.5	-350.3	-390.
3	1.700	359.7C	319.4	-319.4	-359.7C	342.1	301.8	-337.0	-377.
7	1.800	359.7C	319.4	-319.4	-359.7C	360.7	320.4	-318.4	-358.
9	1.900	359.7C	319.4	-319.4	-359.7C	384.5	344.2	-294.6	-334.
9	2.000	359.7C	319.4	-319.4	-359.7C	413.5	373.2	-265.6	-305.
8	2.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.
6	2.100	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
1	2.200	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
5	2.300	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
7	2.400	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
8	2.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
5	2.600	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
0	2.700	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
4	2.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
6	2.900	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.

7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	3.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	3.100	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.
5	3.200	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
1	3.300	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
6	3.400	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8	3.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8	3.600	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
6	3.700	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
2	3.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
7	3.900	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
0	4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
4.100	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
4.200	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
4.300	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
4.400	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
4.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
4.600	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
4.700	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
4.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4.900	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
5.100	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
5.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.300	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
5.400	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
5.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
5.600	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
5.700	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
5.800	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
5.900	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.

6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
6	6.000	300.6C	268.7	-268.7	-300.6C	343.6	311.7	-225.6	-257.
0	6.100	300.6C	268.7	-268.7	-300.6C	320.3	288.3	-249.0	-281.
2	6.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
3	6.300	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
1	6.400	300.6C	268.7	-268.7	-300.6C	281.1	249.2	-288.2	-320.
8	6.500	300.6C	268.7	-268.7	-300.6C	278.4	246.5	-290.9	-322.
2	6.600	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
4	6.700	300.6C	268.7	-268.7	-300.6C	288.9	256.9	-280.4	-312.
4	6.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
3	6.900	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
0	7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	300.6C	268.7	-268.7	-300.6C	343.3	311.3	-226.0	-258.
7.100	300.6C	268.7	-268.7	-300.6C	320.1	288.1	-249.2	-281.
7.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
7.300	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
7.400	300.6C	268.7	-268.7	-300.6C	281.3	249.4	-287.9	-319.
7.500	300.6C	268.7	-268.7	-300.6C	278.8	246.8	-290.5	-322.
7.600	300.6C	268.7	-268.7	-300.6C	281.5	249.6	-287.7	-319.
7.700	300.6C	268.7	-268.7	-300.6C	289.5	257.5	-279.8	-311.
7.800	300.6C	268.7	-268.7	-300.6C	302.6	270.6	-266.7	-298.
7.900	300.6C	268.7	-268.7	-300.6C	320.9	288.9	-248.4	-280.
8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
8.000	300.6C	268.7	-268.7	-300.6C	344.3	312.3	-225.0	-257.
8.100	300.6C	268.7	-268.7	-300.6C	320.6	288.6	-248.7	-280.
8.200	300.6C	268.7	-268.7	-300.6C	302.1	270.1	-267.2	-299.
8.300	300.6C	268.7	-268.7	-300.6C	288.7	256.7	-280.6	-312.
8.400	300.6C	268.7	-268.7	-300.6C	280.5	248.5	-288.8	-320.
8.500	300.6C	268.7	-268.7	-300.6C	277.4	245.4	-291.9	-323.
8.600	300.6C	268.7	-268.7	-300.6C	279.7	247.7	-289.6	-321.
8.700	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
8.800	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
8.900	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.

7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
7	9.000	300.6C	268.7	-268.7	-300.6C	340.6	308.6	-228.7	-260.
6	9.100	300.6C	268.7	-268.7	-300.6C	318.6	286.7	-250.6	-282.
4	9.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
0	9.300	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
5	9.400	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
8	9.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
7	9.600	300.6C	268.7	-268.7	-300.6C	286.5	254.6	-282.7	-314.
5	9.700	300.6C	268.7	-268.7	-300.6C	295.8	263.8	-273.5	-305.
1	9.800	300.6C	268.7	-268.7	-300.6C	310.2	278.2	-259.1	-291.
6	9.900	300.6C	268.7	-268.7	-300.6C	329.7	297.7	-239.6	-271.
8	10.000	300.6C	268.7	-268.7	-300.6C	354.5	322.5	-214.8	-246.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	6.42	60.95	5.67	68.21	0.00	226.6
1.200	3.75	31.65	3.29	35.28	0.00	131.5
1.300	3.05	21.57	2.67	23.99	0.00	106.7
1.400	2.88	16.29	2.52	18.11	0.00	100.7
1.500	2.97	12.94	2.60	14.39	0.00	104.0
1.600	3.33	10.54	2.92	11.75	0.00	117.0
1.700	4.22	8.69	3.72	9.73	0.00	148.9
1.800	6.16	7.18	5.47	8.09	0.00	218.9
1.900	13.07	5.66	11.70	6.44	0.00	226.6
2.000	31.77	3.61	28.68	4.16	0.00	144.3
2.000	27.24	2.92	24.78	3.35	0.00	116.7
2.100	15.33	4.36	13.84	4.94	0.00	174.2
2.200	6.68	5.78	5.99	6.49	0.00	231.2
2.300	4.43	6.87	3.95	7.67	0.00	157.9
2.400	3.54	7.78	3.14	8.66	0.00	125.7
2.500	3.30	8.34	2.92	9.27	0.00	117.0
2.600	3.39	8.37	3.01	9.31	0.00	120.2
2.700	4.01	7.67	3.57	8.55	0.00	142.9
2.800	5.55	6.64	4.96	7.44	0.00	198.4
2.900	11.29	5.36	10.16	6.04	0.00	214.4
3.000	22.13	3.85	20.05	4.39	0.00	153.9
3.000	22.13	3.85	20.05	4.39	0.00	153.9
3.100	10.83	5.41	9.74	6.09	0.00	216.2
3.200	5.43	6.72	4.85	7.52	0.00	194.1
3.300	3.94	7.79	3.50	8.68	0.00	140.0
3.400	3.33	8.58	2.95	9.53	0.00	118.0
3.500	3.21	8.92	2.84	9.90	0.00	113.8
3.600	3.34	8.54	2.96	9.48	0.00	118.4
3.700	3.99	7.72	3.55	8.60	0.00	141.8
3.800	5.55	6.64	4.96	7.43	0.00	198.6
3.900	11.38	5.32	10.25	6.00	0.00	212.7
4.000	27.00	3.78	24.49	4.31	0.00	151.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
4.000	27.00	3.78	24.49	4.31	0.00	151.1
4.100	11.42	5.31	10.28	6.00	0.00	212.5
4.200	5.57	6.63	4.98	7.42	0.00	199.1
4.300	4.00	7.70	3.56	8.58	0.00	142.3
4.400	3.35	8.50	2.97	9.44	0.00	118.9
4.500	3.24	8.87	2.87	9.84	0.00	114.8
4.600	3.35	8.51	2.97	9.45	0.00	118.8
4.700	3.99	7.71	3.55	8.59	0.00	142.0
4.800	5.55	6.64	4.96	7.43	0.00	198.5
4.900	11.36	5.33	10.23	6.01	0.00	213.2
5.000	26.92	3.80	24.41	4.34	0.00	151.9
5.000	26.92	3.80	24.41	4.34	0.00	151.9
5.100	11.36	5.33	10.23	6.01	0.00	213.2
5.200	5.55	6.64	4.96	7.44	0.00	198.4
5.300	3.99	7.72	3.55	8.60	0.00	141.9
5.400	3.35	8.51	2.97	9.46	0.00	118.6
5.500	3.24	8.88	2.87	9.85	0.00	114.6
5.600	3.35	8.51	2.97	9.45	0.00	118.7
5.700	3.99	7.71	3.55	8.59	0.00	142.0
5.800	5.55	6.64	4.96	7.43	0.00	198.6
5.900	11.37	5.32	10.24	6.01	0.00	213.0
6.000	26.95	3.79	24.44	4.33	0.00	151.7
6.000	26.95	3.79	24.44	4.33	0.00	151.7
6.100	11.37	5.32	10.24	6.01	0.00	213.0
6.200	5.55	6.64	4.96	7.43	0.00	198.6
6.300	3.99	7.71	3.55	8.59	0.00	142.0
6.400	3.35	8.51	2.97	9.45	0.00	118.7
6.500	3.24	8.88	2.87	9.85	0.00	114.6
6.600	3.35	8.51	2.97	9.46	0.00	118.6
6.700	3.99	7.72	3.55	8.60	0.00	141.9
6.800	5.55	6.64	4.96	7.44	0.00	198.4
6.900	11.36	5.33	10.23	6.01	0.00	213.2
7.000	26.82	3.80	24.32	4.34	0.00	151.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
7.000	26.82	3.80	24.32	4.34	0.00	151.9
7.100	11.36	5.33	10.23	6.01	0.00	213.2
7.200	5.55	6.64	4.96	7.43	0.00	198.5
7.300	3.99	7.71	3.55	8.59	0.00	142.0
7.400	3.35	8.51	2.97	9.45	0.00	118.8
7.500	3.24	8.87	2.87	9.84	0.00	114.8
7.600	3.35	8.50	2.97	9.44	0.00	118.9
7.700	4.00	7.70	3.56	8.58	0.00	142.3
7.800	5.57	6.63	4.98	7.42	0.00	199.1
7.900	11.42	5.31	10.28	6.00	0.00	212.5
8.000	27.00	3.78	24.49	4.31	0.00	151.1
8.000	27.00	3.78	24.49	4.31	0.00	151.1
8.100	11.38	5.32	10.25	6.00	0.00	212.7
8.200	5.55	6.64	4.96	7.43	0.00	198.6
8.300	3.99	7.72	3.55	8.60	0.00	141.8
8.400	3.34	8.54	2.96	9.48	0.00	118.4
8.500	3.21	8.92	2.84	9.90	0.00	113.8
8.600	3.33	8.58	2.95	9.53	0.00	118.0
8.700	3.94	7.79	3.50	8.68	0.00	140.0
8.800	5.43	6.72	4.85	7.52	0.00	194.1
8.900	10.83	5.41	9.74	6.09	0.00	216.2
9.000	22.13	3.85	20.05	4.39	0.00	153.9
9.000	22.13	3.85	20.05	4.39	0.00	153.9
9.100	11.29	5.36	10.16	6.04	0.00	214.4
9.200	5.55	6.64	4.96	7.44	0.00	198.4
9.300	4.01	7.67	3.57	8.55	0.00	142.9
9.400	3.39	8.37	3.01	9.31	0.00	120.2
9.500	3.30	8.34	2.92	9.27	0.00	117.0
9.600	3.54	7.78	3.14	8.66	0.00	125.7
9.700	4.43	6.87	3.95	7.67	0.00	157.9
9.800	6.68	5.78	5.99	6.49	0.00	231.1
9.900	15.33	4.36	13.84	4.94	0.00	174.2
10.000	27.24	2.92	24.78	3.35	0.00	116.7

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating		Factor	Rating		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend		bottom fiber +bend	fiber -bend		
10.000	31.77	2.92		24.78	4.16	0.00	116.7
10.100	13.07	5.66		11.70	6.44	0.00	226.6
10.200	6.16	7.18		5.47	8.09	0.00	218.9
10.300	4.22	8.69		3.72	9.73	0.00	148.9
10.400	3.33	10.54		2.92	11.75	0.00	117.0
10.500	2.97	12.94		2.60	14.39	0.00	104.0
10.600	2.88	16.29		2.52	18.11	0.00	100.7
10.700	3.05	21.57		2.67	23.99	0.00	106.7
10.800	3.75	31.65		3.29	35.28	0.00	131.5
10.900	6.42	60.94		5.67	68.21	0.00	226.6
11.000	999.00	999.00		999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	25.16	0.00	19.35	0.00
1.100	0.6	5.7	21.26	0.00	16.36	0.00
1.200	0.4	3.8	17.53	0.00	13.49	0.00
1.300	0.2	1.9	14.02	0.00	10.78	0.00
1.400	0.0	-0.1	-11.03	0.00	-8.48	0.00
1.500	-0.2	-2.0	-13.46	0.00	-10.35	0.00
1.600	-0.4	-3.9	-15.75	0.00	-12.11	0.00
1.700	-0.5	-5.8	-18.58	0.00	-14.29	0.00
1.800	-0.7	-7.7	-21.70	0.00	-16.69	0.00
1.900	-0.9	-9.7	-24.64	0.00	-18.95	0.00
2.000	-1.1	-11.6	-27.33	0.00	-21.02	0.00
2.000	0.8	-11.6	26.83	0.00	20.64	0.00
2.100	0.7	8.2	23.53	0.00	18.10	0.00
2.200	0.5	6.3	20.12	0.00	15.48	0.00
2.300	0.4	4.3	16.82	0.00	12.94	0.00
2.400	0.2	2.4	14.27	0.00	10.98	0.00
2.500	0.1	0.5	11.66	0.00	8.97	0.00
2.600	-0.1	-1.5	-13.40	0.00	-10.31	0.00
2.700	-0.2	-3.4	-16.45	0.00	-12.66	0.00
2.800	-0.4	-5.3	-19.65	0.00	-15.12	0.00
2.900	-0.6	-7.2	-22.87	0.00	-17.59	0.00
3.000	-0.7	-9.1	-25.93	0.00	-19.95	0.00
3.000	0.8	9.5	25.91	0.00	19.93	0.00
3.100	0.6	7.6	22.88	0.00	17.60	0.00
3.200	0.5	5.6	19.69	0.00	15.15	0.00
3.300	0.3	3.7	16.50	0.00	12.69	0.00
3.400	0.1	1.8	13.45	0.00	10.35	0.00
3.500	0.0	-0.1	-10.98	0.00	-8.45	0.00
3.600	-0.2	-2.1	-13.45	0.00	-10.35	0.00
3.700	-0.3	-4.0	-16.50	0.00	-12.69	0.00
3.800	-0.5	-5.9	-19.70	0.00	-15.15	0.00
3.900	-0.6	-7.8	-22.91	0.00	-17.62	0.00
4.000	-0.8	-9.7	-25.96	0.00	-19.97	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	25.97	0.00	19.97	0.00
4.100	0.6	7.7	22.91	0.00	17.62	0.00
4.200	0.5	5.8	19.70	0.00	15.15	0.00
4.300	0.3	3.9	16.50	0.00	12.69	0.00
4.400	0.2	2.0	13.45	0.00	10.35	0.00
4.500	0.0	0.1	10.98	0.00	8.45	0.00
4.600	-0.2	-1.9	-13.45	0.00	-10.35	0.00
4.700	-0.3	-3.8	-16.50	0.00	-12.69	0.00
4.800	-0.5	-5.7	-19.70	0.00	-15.15	0.00
4.900	-0.6	-7.7	-22.91	0.00	-17.62	0.00
5.000	-0.8	-9.6	-25.96	0.00	-19.97	0.00
5.000	0.8	9.6	25.96	0.00	19.97	0.00
5.100	0.6	7.7	22.91	0.00	17.62	0.00
5.200	0.5	5.8	19.70	0.00	15.15	0.00
5.300	0.3	3.8	16.50	0.00	12.69	0.00
5.400	0.2	1.9	13.45	0.00	10.35	0.00
5.500	0.0	0.0	10.98	0.00	8.45	0.00
5.600	-0.2	-2.0	-13.45	0.00	-10.35	0.00
5.700	-0.3	-3.9	-16.50	0.00	-12.69	0.00
5.800	-0.5	-5.8	-19.70	0.00	-15.15	0.00
5.900	-0.6	-7.7	-22.91	0.00	-17.62	0.00
6.000	-0.8	-9.6	-25.96	0.00	-19.97	0.00
6.000	0.8	9.6	25.96	0.00	19.97	0.00
6.100	0.6	7.7	22.91	0.00	17.62	0.00
6.200	0.5	5.8	19.70	0.00	15.15	0.00
6.300	0.3	3.9	16.50	0.00	12.69	0.00
6.400	0.2	2.0	13.45	0.00	10.35	0.00
6.500	0.0	0.0	10.98	0.00	8.45	0.00
6.600	-0.2	-1.9	-13.45	0.00	-10.35	0.00
6.700	-0.3	-3.8	-16.50	0.00	-12.69	0.00
6.800	-0.5	-5.8	-19.70	0.00	-15.15	0.00
6.900	-0.6	-7.7	-22.91	0.00	-17.62	0.00
7.000	-0.8	-9.6	-25.96	0.00	-19.97	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	25.96	0.00	19.97	0.00
7.100	0.6	7.7	22.91	0.00	17.62	0.00
7.200	0.5	5.7	19.70	0.00	15.15	0.00
7.300	0.3	3.8	16.50	0.00	12.69	0.00
7.400	0.2	1.9	13.45	0.00	10.35	0.00
7.500	0.0	0.0	10.98	0.00	8.45	0.00
7.600	-0.2	-2.0	-13.45	0.00	-10.35	0.00
7.700	-0.3	-3.9	-16.50	0.00	-12.69	0.00
7.800	-0.5	-5.8	-19.70	0.00	-15.15	0.00
7.900	-0.6	-7.7	-22.91	0.00	-17.62	0.00
8.000	-0.8	-9.6	-25.97	0.00	-19.97	0.00
8.000	0.8	9.7	25.96	0.00	19.97	0.00
8.100	0.6	7.8	22.91	0.00	17.62	0.00
8.200	0.5	5.9	19.70	0.00	15.15	0.00
8.300	0.3	4.0	16.50	0.00	12.69	0.00
8.400	0.2	2.1	13.45	0.00	10.35	0.00
8.500	0.0	0.2	10.98	0.00	8.45	0.00
8.600	-0.1	-1.8	-13.45	0.00	-10.35	0.00
8.700	-0.3	-3.7	-16.50	0.00	-12.69	0.00
8.800	-0.5	-5.6	-19.69	0.00	-15.15	0.00
8.900	-0.6	-7.6	-22.88	0.00	-17.60	0.00
9.000	-0.8	-9.5	-25.91	0.00	-19.93	0.00
9.000	0.7	-9.5	25.93	0.00	19.95	0.00
9.100	0.6	7.2	22.87	0.00	17.59	0.00
9.200	0.4	5.3	19.65	0.00	15.12	0.00
9.300	0.2	3.4	16.45	0.00	12.66	0.00
9.400	0.1	1.5	13.40	0.00	10.31	0.00
9.500	-0.1	-0.5	-11.66	0.00	-8.97	0.00
9.600	-0.2	-2.4	-13.88	0.00	-10.68	0.00
9.700	-0.4	-4.3	-16.82	0.00	-12.94	0.00
9.800	-0.5	-6.3	-20.12	0.00	-15.48	0.00
9.900	-0.7	-8.2	-23.53	0.00	-18.10	0.00
10.000	-0.8	-10.1	-26.68	0.00	-20.52	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	27.33	0.00	21.02	0.00
10.100	0.9	9.7	24.64	0.00	18.95	0.00
10.200	0.7	7.7	21.70	0.00	16.69	0.00
10.300	0.5	5.8	18.58	0.00	14.29	0.00
10.400	0.4	3.9	15.75	0.00	12.11	0.00
10.500	0.2	2.0	13.46	0.00	10.35	0.00
10.600	0.0	0.1	11.03	0.00	8.48	0.00
10.700	-0.2	-1.9	-14.02	0.00	-10.78	0.00
10.800	-0.4	-3.8	-17.53	0.00	-13.49	0.00
10.900	-0.6	-5.7	-21.26	0.00	-16.36	0.00
11.000	-0.7	-7.6	-25.16	0.00	-19.35	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.7	124.0
1.100	172.1	-138.6	126.1
1.200	172.1	-136.5	128.2
1.300	172.1	-134.4	130.3
1.400	172.1	-132.3	132.4
1.500	172.1	-130.3	134.5
1.600	172.1	-128.1	136.7
1.700	172.1	-126.0	138.7
1.800	172.1	-123.9	140.8
1.900	172.1	-121.8	142.9
2.000	172.1	-119.7	145.0
2.000	151.3	-119.7	105.4
2.100	151.3	-125.2	107.5
2.200	151.3	-123.2	109.6
2.300	151.3	-121.1	111.6
2.400	151.3	-119.0	113.7
2.500	151.3	-117.0	115.8
2.600	151.3	-114.8	117.9
2.700	151.3	-112.8	120.0
2.800	151.3	-110.7	122.1
2.900	151.3	-108.6	124.1
3.000	151.3	-106.6	117.1
3.000	151.3	-106.6	106.1
3.100	151.3	-124.5	108.2
3.200	151.3	-122.5	110.3
3.300	151.3	-120.4	112.4
3.400	151.3	-118.3	114.4
3.500	151.3	-116.3	116.5
3.600	151.3	-114.1	118.6
3.700	151.3	-112.1	120.7
3.800	151.3	-110.0	122.8
3.900	151.3	-107.9	124.8
4.000	151.3	-105.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-105.8	106.0
4.100	151.3	-124.7	108.0
4.200	151.3	-122.6	110.1
4.300	151.3	-120.6	112.2
4.400	151.3	-118.5	114.2
4.500	151.3	-116.4	116.3
4.600	151.3	-114.3	118.4
4.700	151.3	-112.2	120.5
4.800	151.3	-110.2	122.6
4.900	151.3	-108.1	124.6
5.000	151.3	-106.0	117.1
5.000	151.3	-106.0	106.0
5.100	151.3	-124.7	108.1
5.200	151.3	-122.6	110.1
5.300	151.3	-120.5	112.2
5.400	151.3	-118.5	114.3
5.500	151.3	-116.4	116.4
5.600	151.3	-114.3	118.5
5.700	151.3	-112.2	120.6
5.800	151.3	-110.1	122.6
5.900	151.3	-108.1	124.7
6.000	151.3	-106.0	117.2
6.000	151.3	-106.0	106.0
6.100	151.3	-124.7	108.1
6.200	151.3	-122.6	110.1
6.300	151.3	-120.6	112.2
6.400	151.3	-118.5	114.3
6.500	151.3	-116.4	116.3
6.600	151.3	-114.3	118.5
6.700	151.3	-112.2	120.5
6.800	151.3	-110.1	122.6
6.900	151.3	-108.1	124.7
7.000	151.3	-106.0	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.0	106.0
7.100	151.3	-124.6	108.1
7.200	151.3	-122.6	110.2
7.300	151.3	-120.5	112.2
7.400	151.3	-118.4	114.3
7.500	151.3	-116.4	116.4
7.600	151.3	-114.2	118.5
7.700	151.3	-112.2	120.6
7.800	151.3	-110.1	122.6
7.900	151.3	-108.0	124.7
8.000	151.3	-106.0	117.2
8.000	151.3	-106.0	105.8
8.100	151.3	-124.8	107.9
8.200	151.3	-122.8	110.0
8.300	151.3	-120.7	112.1
8.400	151.3	-118.6	114.1
8.500	151.3	-116.6	116.2
8.600	151.3	-114.4	118.3
8.700	151.3	-112.4	120.4
8.800	151.3	-110.3	122.5
8.900	151.3	-108.2	124.5
9.000	151.3	-106.1	117.1
9.000	151.3	-106.1	106.6
9.100	151.3	-124.1	108.6
9.200	151.3	-122.1	110.7
9.300	151.3	-120.0	112.8
9.400	151.3	-117.9	114.8
9.500	151.3	-115.8	116.9
9.600	151.3	-113.7	119.0
9.700	151.3	-111.6	121.1
9.800	151.3	-109.6	123.2
9.900	151.3	-107.5	125.2
10.000	151.3	-105.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-105.4	119.7
10.100	172.1	-142.9	121.8
10.200	172.1	-140.8	123.9
10.300	172.1	-138.7	126.0
10.400	172.1	-136.7	128.1
10.500	172.1	-134.6	130.2
10.600	172.1	-132.4	132.3
10.700	172.1	-130.3	134.4
10.800	172.1	-128.2	136.5
10.900	172.1	-126.1	138.6
11.000	172.1	-124.0	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	68.14	4.93	0.00	197.2
1.100	37.57	5.93	0.00	237.3
1.200	24.04	7.31	0.00	292.5
1.300	15.93	9.30	0.00	371.9
1.400	12.00	12.12	0.00	480.0
1.500	9.68	16.05	0.00	387.2
1.600	8.14	21.81	0.00	325.4
1.700	6.78	32.31	0.00	271.3
1.800	5.71	55.95	0.00	228.4
1.900	4.94	143.15	0.00	197.7
2.000	4.38	278.61	0.00	175.2
2.000	4.38	3.93	0.00	157.2
2.100	39.59	4.57	0.00	182.7
2.200	25.99	5.45	0.00	217.9
2.300	18.41	6.64	0.00	265.5
2.400	13.74	7.97	0.00	318.7
2.500	10.70	9.93	0.00	397.1
2.600	8.57	12.48	0.00	342.6
2.700	6.85	16.45	0.00	274.1
2.800	5.63	23.13	0.00	225.3
2.900	4.75	35.46	0.00	190.0
3.000	4.11	40.20	0.00	164.4
3.000	4.11	4.10	0.00	163.9
3.100	39.35	4.73	0.00	189.1
3.200	25.77	5.60	0.00	224.0
3.300	18.21	6.81	0.00	272.3
3.400	13.60	8.51	0.00	340.3
3.500	10.59	10.64	0.00	423.6
3.600	8.48	13.67	0.00	339.4
3.700	6.79	18.30	0.00	271.7
3.800	5.58	25.90	0.00	223.4
3.900	4.71	39.60	0.00	188.5
4.000	4.08	51.92	0.00	163.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.08	4.08	0.00	163.1
4.100	39.42	4.72	0.00	188.6
4.200	25.80	5.59	0.00	223.5
4.300	18.23	6.80	0.00	271.9
4.400	13.61	8.49	0.00	339.7
4.500	10.60	10.59	0.00	423.6
4.600	8.50	13.60	0.00	339.9
4.700	6.80	18.22	0.00	272.1
4.800	5.59	25.79	0.00	223.7
4.900	4.72	39.40	0.00	188.8
5.000	4.08	48.35	0.00	163.4
5.000	4.08	4.08	0.00	163.3
5.100	39.40	4.72	0.00	188.7
5.200	25.79	5.59	0.00	223.7
5.300	18.23	6.80	0.00	272.0
5.400	13.61	8.49	0.00	339.8
5.500	10.60	10.59	0.00	423.8
5.600	8.49	13.61	0.00	339.7
5.700	6.80	18.23	0.00	272.0
5.800	5.59	25.79	0.00	223.6
5.900	4.72	39.41	0.00	188.7
6.000	4.08	48.54	0.00	163.3
6.000	4.08	4.08	0.00	163.3
6.100	39.41	4.72	0.00	188.7
6.200	25.79	5.59	0.00	223.6
6.300	18.23	6.80	0.00	272.0
6.400	13.61	8.49	0.00	339.7
6.500	10.60	10.59	0.00	423.7
6.600	8.49	13.61	0.00	339.8
6.700	6.80	18.23	0.00	272.0
6.800	5.59	25.79	0.00	223.7
6.900	4.72	39.40	0.00	188.7
7.000	4.08	48.53	0.00	163.3

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.08	4.08	0.00	163.3
7.100	39.40	4.72	0.00	188.8
7.200	25.79	5.59	0.00	223.7
7.300	18.22	6.80	0.00	272.1
7.400	13.60	8.50	0.00	339.9
7.500	10.60	10.60	0.00	423.8
7.600	8.49	13.61	0.00	339.7
7.700	6.80	18.23	0.00	271.9
7.800	5.59	25.80	0.00	223.5
7.900	4.72	39.42	0.00	188.6
8.000	4.08	48.53	0.00	163.2
8.000	4.08	4.08	0.00	163.1
8.100	39.60	4.71	0.00	188.5
8.200	25.90	5.58	0.00	223.4
8.300	18.30	6.79	0.00	271.7
8.400	13.67	8.48	0.00	339.4
8.500	10.64	10.58	0.00	423.3
8.600	8.51	13.60	0.00	340.3
8.700	6.81	18.21	0.00	272.3
8.800	5.60	25.77	0.00	224.0
8.900	4.73	39.35	0.00	189.1
9.000	4.10	48.51	0.00	163.9
9.000	4.10	4.11	0.00	163.9
9.100	35.46	4.75	0.00	190.0
9.200	23.13	5.63	0.00	225.3
9.300	16.45	6.85	0.00	274.1
9.400	12.48	8.57	0.00	342.6
9.500	9.93	10.69	0.00	397.3
9.600	8.19	13.74	0.00	327.7
9.700	6.64	18.41	0.00	265.5
9.800	5.45	25.99	0.00	217.9
9.900	4.57	39.59	0.00	182.7
10.000	3.95	48.29	0.00	158.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.95	4.38	0.00	158.1
10.100	143.15	4.94	0.00	197.7
10.200	55.95	5.71	0.00	228.4
10.300	32.31	6.78	0.00	271.3
10.400	21.81	8.14	0.00	325.4
10.500	16.05	9.68	0.00	387.0
10.600	12.12	12.00	0.00	480.0
10.700	9.30	15.93	0.00	371.9
10.800	7.31	24.04	0.00	292.5
10.900	5.93	37.57	0.00	237.3
11.000	4.93	999.00	0.00	197.2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 50.5	332.2	332.2	-332.2	-332.2	313.9	313.9	-350.5	-3
1.200 63.5	332.2	332.2	-332.2	-332.2	300.9	300.9	-363.5	-3
1.300 71.3	332.2	332.2	-332.2	-332.2	293.1	293.1	-371.3	-3
1.400 73.9	332.2	332.2	-332.2	-332.2	290.5	290.5	-373.9	-3
1.500 71.2	332.2	332.2	-332.2	-332.2	293.2	293.2	-371.2	-3
1.600 63.1	332.2	332.2	-332.2	-332.2	301.3	301.3	-363.1	-3
1.700 49.8	332.2	332.2	-332.2	-332.2	314.6	314.6	-349.8	-3
1.800 31.2	332.2	332.2	-332.2	-332.2	333.2	333.2	-331.2	-3
1.900 07.4	332.2	332.2	-332.2	-332.2	357.0	357.0	-307.4	-3
2.000 78.4	332.2	332.2	-332.2	-332.2	386.0	386.0	-278.4	-2
2.000 25.6	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
2.100 50.3	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
2.200 69.9	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
2.300 84.3	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
2.400 93.5	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
2.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
2.600 96.3	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
2.700 89.8	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
2.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
2.900 61.4	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2

3.000 39.4	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
3.000 39.4	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
3.100 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
3.200 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
3.300 92.9	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
3.400 00.3	279.4	279.4	-279.4	-279.4	258.5	258.5	-300.3	-3
3.500 02.6	279.4	279.4	-279.4	-279.4	256.2	256.2	-302.6	-3
3.600 99.6	279.4	279.4	-279.4	-279.4	259.2	259.2	-299.6	-2
3.700 91.4	279.4	279.4	-279.4	-279.4	267.4	267.4	-291.4	-2
3.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
3.900 59.4	279.4	279.4	-279.4	-279.4	299.4	299.4	-259.4	-2
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity		Capacity		Available Capacity for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
4.000 35.7	279.4	279.4	-279.4	-279.4	323.1	323.1	-235.7	-2
4.100 59.2	279.4	279.4	-279.4	-279.4	299.6	299.6	-259.2	-2
4.200 77.4	279.4	279.4	-279.4	-279.4	281.4	281.4	-277.4	-2
4.300 90.6	279.4	279.4	-279.4	-279.4	268.2	268.2	-290.6	-2
4.400 98.5	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
4.500 01.3	279.4	279.4	-279.4	-279.4	257.5	257.5	-301.3	-3
4.600 98.7	279.4	279.4	-279.4	-279.4	260.1	260.1	-298.7	-2
4.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
4.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
4.900 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.000 36.7	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
5.100 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
5.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.300 91.2	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
5.400 99.0	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
5.500 01.6	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
5.600 98.9	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
5.700 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
5.800 78.0	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
5.900 59.8	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2

6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.000	279.4	279.4	-279.4	-279.4	322.4	322.4	-236.4	-2
36.4								
6.100	279.4	279.4	-279.4	-279.4	299.0	299.0	-259.8	-2
59.8								
6.200	279.4	279.4	-279.4	-279.4	280.8	280.8	-278.0	-2
78.0								
6.300	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
6.400	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
98.9								
6.500	279.4	279.4	-279.4	-279.4	257.2	257.2	-301.6	-3
01.6								
6.600	279.4	279.4	-279.4	-279.4	259.8	259.8	-299.0	-2
99.0								
6.700	279.4	279.4	-279.4	-279.4	267.6	267.6	-291.2	-2
91.2								
6.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.900	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
60.0								
7.000	279.4	279.4	-279.4	-279.4	322.1	322.1	-236.7	-2
36.7								

9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.000	279.4	279.4	-279.4	-279.4	319.4	319.4	-239.4	-2
39.4								
9.100	279.4	279.4	-279.4	-279.4	297.4	297.4	-261.4	-2
61.4								
9.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
9.300	279.4	279.4	-279.4	-279.4	269.0	269.0	-289.8	-2
89.8								
9.400	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
96.3								
9.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
97.5								
9.600	279.4	279.4	-279.4	-279.4	265.3	265.3	-293.5	-2
93.5								
9.700	279.4	279.4	-279.4	-279.4	274.5	274.5	-284.3	-2
84.3								
9.800	279.4	279.4	-279.4	-279.4	288.9	288.9	-269.9	-2
69.9								
9.900	279.4	279.4	-279.4	-279.4	308.5	308.5	-250.3	-2
50.3								
10.000	279.4	279.4	-279.4	-279.4	333.2	333.2	-225.6	-2
25.6								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.91	63.25	5.91	63.25	0.00	236.2
1.200	3.43	32.80	3.43	32.80	0.00	137.3
1.300	2.79	22.34	2.79	22.34	0.00	111.5
1.400	2.63	16.87	2.63	16.87	0.00	105.3
1.500	2.72	13.40	2.72	13.40	0.00	108.7
1.600	3.06	10.92	3.06	10.92	0.00	122.2
1.700	3.88	9.02	3.88	9.02	0.00	155.3
1.800	5.69	7.47	5.69	7.47	0.00	227.6
1.900	12.14	5.91	12.14	5.91	0.00	236.4
2.000	29.66	3.78	29.66	3.78	0.00	151.3
2.000	25.60	3.06	25.60	3.06	0.00	122.6
2.100	14.34	4.55	14.34	4.55	0.00	182.0
2.200	6.22	6.02	6.22	6.02	0.00	240.8
2.300	4.11	7.14	4.11	7.14	0.00	164.4
2.400	3.27	8.08	3.27	8.08	0.00	131.0
2.500	3.05	8.65	3.05	8.65	0.00	122.0
2.600	3.13	8.68	3.13	8.68	0.00	125.4
2.700	3.72	7.96	3.72	7.96	0.00	148.8
2.800	5.16	6.91	5.16	6.91	0.00	206.3
2.900	10.54	5.59	10.54	5.59	0.00	223.6
3.000	20.75	4.03	20.75	4.03	0.00	161.1
3.000	20.75	4.03	20.75	4.03	0.00	161.1
3.100	10.10	5.64	10.10	5.64	0.00	225.5
3.200	5.05	6.99	5.05	6.99	0.00	201.9
3.300	3.65	8.09	3.65	8.09	0.00	145.9
3.400	3.08	8.90	3.08	8.90	0.00	123.1
3.500	2.97	9.25	2.97	9.25	0.00	118.7
3.600	3.09	8.85	3.09	8.85	0.00	123.5
3.700	3.69	8.02	3.69	8.02	0.00	147.8
3.800	5.16	6.90	5.16	6.90	0.00	206.5
3.900	10.63	5.55	10.63	5.55	0.00	221.9
4.000	25.33	3.96	25.33	3.96	0.00	158.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	25.33	3.96	25.33	3.96	0.00	158.3
4.100	10.66	5.54	10.66	5.54	0.00	221.7
4.200	5.18	6.89	5.18	6.89	0.00	207.0
4.300	3.71	8.00	3.71	8.00	0.00	148.3
4.400	3.10	8.82	3.10	8.82	0.00	124.0
4.500	2.99	9.19	2.99	9.19	0.00	119.8
4.600	3.10	8.82	3.10	8.82	0.00	123.9
4.700	3.70	8.01	3.70	8.01	0.00	148.0
4.800	5.16	6.91	5.16	6.91	0.00	206.4
4.900	10.61	5.56	10.61	5.56	0.00	222.4
5.000	25.25	3.98	25.25	3.98	0.00	159.1
5.000	25.25	3.98	25.25	3.98	0.00	159.1
5.100	10.61	5.56	10.61	5.56	0.00	222.4
5.200	5.16	6.91	5.16	6.91	0.00	206.3
5.300	3.70	8.01	3.70	8.01	0.00	147.9
5.400	3.09	8.83	3.09	8.83	0.00	123.8
5.500	2.99	9.20	2.99	9.20	0.00	119.6
5.600	3.10	8.83	3.10	8.83	0.00	123.8
5.700	3.70	8.01	3.70	8.01	0.00	147.9
5.800	5.16	6.90	5.16	6.90	0.00	206.5
5.900	10.62	5.55	10.62	5.55	0.00	222.2
6.000	25.28	3.97	25.28	3.97	0.00	158.9
6.000	25.28	3.97	25.28	3.97	0.00	158.9
6.100	10.62	5.55	10.62	5.55	0.00	222.2
6.200	5.16	6.90	5.16	6.90	0.00	206.5
6.300	3.70	8.01	3.70	8.01	0.00	147.9
6.400	3.10	8.83	3.10	8.83	0.00	123.8
6.500	2.99	9.20	2.99	9.20	0.00	119.6
6.600	3.09	8.83	3.09	8.83	0.00	123.8
6.700	3.70	8.01	3.70	8.01	0.00	147.9
6.800	5.16	6.91	5.16	6.91	0.00	206.3
6.900	10.61	5.56	10.61	5.56	0.00	222.4
7.000	25.16	3.98	25.16	3.98	0.00	159.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	25.16	3.98	25.16	3.98	0.00	159.1
7.100	10.61	5.56	10.61	5.56	0.00	222.3
7.200	5.16	6.91	5.16	6.91	0.00	206.4
7.300	3.70	8.01	3.70	8.01	0.00	148.0
7.400	3.10	8.82	3.10	8.82	0.00	123.9
7.500	2.99	9.19	2.99	9.19	0.00	119.8
7.600	3.10	8.82	3.10	8.82	0.00	124.0
7.700	3.71	8.00	3.71	8.00	0.00	148.3
7.800	5.18	6.89	5.18	6.89	0.00	207.0
7.900	10.66	5.54	10.66	5.54	0.00	221.7
8.000	25.33	3.96	25.33	3.96	0.00	158.3
8.000	25.33	3.96	25.33	3.96	0.00	158.3
8.100	10.63	5.55	10.63	5.55	0.00	221.9
8.200	5.16	6.90	5.16	6.90	0.00	206.5
8.300	3.69	8.02	3.69	8.02	0.00	147.8
8.400	3.09	8.85	3.09	8.85	0.00	123.5
8.500	2.97	9.25	2.97	9.25	0.00	118.7
8.600	3.08	8.90	3.08	8.90	0.00	123.1
8.700	3.65	8.09	3.65	8.09	0.00	145.9
8.800	5.05	6.99	5.05	6.99	0.00	201.9
8.900	10.10	5.64	10.10	5.64	0.00	225.5
9.000	20.75	4.03	20.75	4.03	0.00	161.1
9.000	20.75	4.03	20.75	4.03	0.00	161.1
9.100	10.54	5.59	10.54	5.59	0.00	223.6
9.200	5.16	6.91	5.16	6.91	0.00	206.3
9.300	3.72	7.96	3.72	7.96	0.00	148.8
9.400	3.13	8.68	3.13	8.68	0.00	125.4
9.500	3.05	8.65	3.05	8.65	0.00	122.0
9.600	3.27	8.08	3.27	8.08	0.00	131.0
9.700	4.11	7.14	4.11	7.14	0.00	164.4
9.800	6.22	6.02	6.22	6.02	0.00	240.7
9.900	14.34	4.55	14.34	4.55	0.00	182.0
10.000	25.60	3.06	25.60	3.06	0.00	122.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	25.60	3.06	25.60	3.06	0.00	122.6
10.100	12.14	5.91	12.14	5.91	0.00	236.4
10.200	5.69	7.47	5.69	7.47	0.00	227.6
10.300	3.88	9.02	3.88	9.02	0.00	155.3
10.400	3.06	10.92	3.06	10.92	0.00	122.2
10.500	2.72	13.40	2.72	13.40	0.00	108.7
10.600	2.63	16.87	2.63	16.87	0.00	105.3
10.700	2.79	22.34	2.79	22.34	0.00	111.5
10.800	3.43	32.80	3.43	32.80	0.00	137.3
10.900	5.91	63.25	5.91	63.25	0.00	236.2
11.000	999.00	999.00	999.00	999.00	0.00	999.0

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction SS
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 10

Live Load Distribution Factor 1.272

Second Live Load Dist. Factor 1.272

Comments:

Member I. D.	S02					Symmetry:
Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5	
	25.000	25.000	25.000	25.000	25.000	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	25.000	25.000	25.000	25.000	25.000	

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	25.000	1	0		0.0	0.0
2	1	25.000	2	0		0.0	0.0
3	1	25.000	2	0		0.0	0.0
4	1	25.000	2	0		0.0	0.0
5	1	25.000	2	0		0.0	0.0
6	1	25.000	2	0		0.0	0.0
7	1	25.000	2	0		0.0	0.0
8	1	25.000	2	0		0.0	0.0
9	1	25.000	2	0		0.0	0.0
10	1	25.000	1	0		0.0	0.0

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	0.000	615.0	615.0	25.000	0.0
1	P	12.500	0.0	0.0	0.000	0.1
2	W	0.000	615.0	615.0	25.000	0.0
2	P	12.500	0.0	0.0	0.000	0.1
3	W	0.000	615.0	615.0	25.000	0.0
3	P	12.500	0.0	0.0	0.000	0.1
4	W	0.000	615.0	615.0	25.000	0.0
4	P	12.500	0.0	0.0	0.000	0.1
5	W	0.000	615.0	615.0	25.000	0.0
5	P	12.500	0.0	0.0	0.000	0.1
6	W	0.000	615.0	615.0	25.000	0.0
6	P	12.500	0.0	0.0	0.000	0.1
7	W	0.000	615.0	615.0	25.000	0.0
7	P	12.500	0.0	0.0	0.000	0.1
8	W	0.000	615.0	615.0	25.000	0.0
8	P	12.500	0.0	0.0	0.000	0.1

9	W	0.000	615.0	615.0	25.000	0.0
9	P	12.500	0.0	0.0	0.000	0.1
10	W	0.000	615.0	615.0	25.000	0.0
10	P	12.500	0.0	0.0	0.000	0.1

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S02

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
1.000	21.24	19.76	0.46	0.0	0.0	33.
1.100	21.24	19.76	0.46	0.0	0.0	33.
1.200	21.24	19.76	0.46	0.0	0.0	33.
1.300	21.24	19.76	0.46	0.0	0.0	33.
1.400	21.24	19.76	0.46	0.0	0.0	33.
1.500	21.24	19.76	0.46	0.0	0.0	33.
1.600	21.24	19.76	0.46	0.0	0.0	33.
1.700	21.24	19.76	0.46	0.0	0.0	33.
1.800	21.24	19.76	0.46	0.0	0.0	33.
1.900	21.24	19.76	0.46	0.0	0.0	33.
2.000	21.24	19.76	0.46	0.0	0.0	33.
2.000	20.99	19.76	0.40	0.0	0.0	33.
2.100	20.99	19.76	0.40	0.0	0.0	33.
2.200	20.99	19.76	0.40	0.0	0.0	33.
2.300	20.99	19.76	0.40	0.0	0.0	33.
2.400	20.99	19.76	0.40	0.0	0.0	33.
2.500	20.99	19.76	0.40	0.0	0.0	33.
2.600	20.99	19.76	0.40	0.0	0.0	33.
2.700	20.99	19.76	0.40	0.0	0.0	33.
2.800	20.99	19.76	0.40	0.0	0.0	33.
2.900	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.100	20.99	19.76	0.40	0.0	0.0	33.
3.200	20.99	19.76	0.40	0.0	0.0	33.
3.300	20.99	19.76	0.40	0.0	0.0	33.
3.400	20.99	19.76	0.40	0.0	0.0	33.
3.500	20.99	19.76	0.40	0.0	0.0	33.
3.600	20.99	19.76	0.40	0.0	0.0	33.
3.700	20.99	19.76	0.40	0.0	0.0	33.
3.800	20.99	19.76	0.40	0.0	0.0	33.
3.900	20.99	19.76	0.40	0.0	0.0	33.
4.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D. S02						
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
4.000	20.99	19.76	0.40	0.0	0.0	33.
4.100	20.99	19.76	0.40	0.0	0.0	33.
4.200	20.99	19.76	0.40	0.0	0.0	33.
4.300	20.99	19.76	0.40	0.0	0.0	33.
4.400	20.99	19.76	0.40	0.0	0.0	33.
4.500	20.99	19.76	0.40	0.0	0.0	33.
4.600	20.99	19.76	0.40	0.0	0.0	33.
4.700	20.99	19.76	0.40	0.0	0.0	33.
4.800	20.99	19.76	0.40	0.0	0.0	33.
4.900	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.100	20.99	19.76	0.40	0.0	0.0	33.
5.200	20.99	19.76	0.40	0.0	0.0	33.
5.300	20.99	19.76	0.40	0.0	0.0	33.
5.400	20.99	19.76	0.40	0.0	0.0	33.
5.500	20.99	19.76	0.40	0.0	0.0	33.
5.600	20.99	19.76	0.40	0.0	0.0	33.
5.700	20.99	19.76	0.40	0.0	0.0	33.
5.800	20.99	19.76	0.40	0.0	0.0	33.
5.900	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.100	20.99	19.76	0.40	0.0	0.0	33.
6.200	20.99	19.76	0.40	0.0	0.0	33.
6.300	20.99	19.76	0.40	0.0	0.0	33.
6.400	20.99	19.76	0.40	0.0	0.0	33.
6.500	20.99	19.76	0.40	0.0	0.0	33.
6.600	20.99	19.76	0.40	0.0	0.0	33.
6.700	20.99	19.76	0.40	0.0	0.0	33.
6.800	20.99	19.76	0.40	0.0	0.0	33.
6.900	20.99	19.76	0.40	0.0	0.0	33.
7.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S02

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
7.000	20.99	19.76	0.40	0.0	0.0	33.
7.100	20.99	19.76	0.40	0.0	0.0	33.
7.200	20.99	19.76	0.40	0.0	0.0	33.
7.300	20.99	19.76	0.40	0.0	0.0	33.
7.400	20.99	19.76	0.40	0.0	0.0	33.
7.500	20.99	19.76	0.40	0.0	0.0	33.
7.600	20.99	19.76	0.40	0.0	0.0	33.
7.700	20.99	19.76	0.40	0.0	0.0	33.
7.800	20.99	19.76	0.40	0.0	0.0	33.
7.900	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.100	20.99	19.76	0.40	0.0	0.0	33.
8.200	20.99	19.76	0.40	0.0	0.0	33.
8.300	20.99	19.76	0.40	0.0	0.0	33.
8.400	20.99	19.76	0.40	0.0	0.0	33.
8.500	20.99	19.76	0.40	0.0	0.0	33.
8.600	20.99	19.76	0.40	0.0	0.0	33.
8.700	20.99	19.76	0.40	0.0	0.0	33.
8.800	20.99	19.76	0.40	0.0	0.0	33.
8.900	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.100	20.99	19.76	0.40	0.0	0.0	33.
9.200	20.99	19.76	0.40	0.0	0.0	33.
9.300	20.99	19.76	0.40	0.0	0.0	33.
9.400	20.99	19.76	0.40	0.0	0.0	33.
9.500	20.99	19.76	0.40	0.0	0.0	33.
9.600	20.99	19.76	0.40	0.0	0.0	33.
9.700	20.99	19.76	0.40	0.0	0.0	33.
9.800	20.99	19.76	0.40	0.0	0.0	33.
9.900	20.99	19.76	0.40	0.0	0.0	33.
10.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S02

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
10.000	21.24	19.76	0.46	0.0	0.0	33.
10.100	21.24	19.76	0.46	0.0	0.0	33.
10.200	21.24	19.76	0.46	0.0	0.0	33.
10.300	21.24	19.76	0.46	0.0	0.0	33.
10.400	21.24	19.76	0.46	0.0	0.0	33.
10.500	21.24	19.76	0.46	0.0	0.0	33.
10.600	21.24	19.76	0.46	0.0	0.0	33.
10.700	21.24	19.76	0.46	0.0	0.0	33.
10.800	21.24	19.76	0.46	0.0	0.0	33.
10.900	21.24	19.76	0.46	0.0	0.0	33.
11.000	21.24	19.76	0.46	0.0	0.0	33.

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S02

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
1.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S02

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	+Bend Bott.	-Bend Top	-Bend Bott.
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S02

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
					Top	Bott.	Top	Bott.	Top	Bott.
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
10.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S02

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
					Top	Bott.	Top	Bott.	Top	Bott.
10.000	21.50	21.50	10.60	10.60	1600.0	1600.0	127.0	127.0	127.0	127.0
10.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
11.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	74.46 L	46.51	57.28	35.77
1.200	2.8	23.1	121.14 L	79.47	93.18	61.13
1.300	3.5	28.9	142.83 L	101.42	109.87	78.01
1.400	3.7	30.8	143.13 L	110.70	110.10	85.15
1.500	3.5	28.9	134.99 L	110.27	103.84	84.83
1.600	2.8	22.8	128.16 L	98.93	98.59	76.10
1.700	1.7	12.9	110.76 L	80.07	85.20	61.59
1.800	0.1	-0.9	71.18 L	52.92	54.76	40.70
1.900	-2.0	-18.5	-69.02 L	-64.36	-53.10	-49.51
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.100	-2.6	-21.5	-75.60 R	-65.20	-58.15	-50.15
2.200	-1.0	-6.9	65.10 R	45.48	50.07	34.99
2.300	0.1	3.9	95.41 R	68.82	73.39	52.94
2.400	0.8	10.8	107.38 R	83.25	82.60	64.04
2.500	1.2	13.9	105.00 L	89.43	80.77	68.79
2.600	1.1	12.8	107.17 L	84.82	82.44	65.25
2.700	0.7	7.8	95.90 L	71.92	73.77	55.32
2.800	-0.1	-0.9	66.18 L	50.41	50.90	38.78
2.900	-1.3	-13.5	-65.66 L	-59.35	-50.51	-45.66
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.100	-1.2	-12.8	-65.31 R	-58.86	-50.24	-45.28
3.200	0.1	0.5	66.06 R	50.05	50.82	38.50
3.300	1.0	10.0	96.18 R	72.77	73.98	55.97
3.400	1.6	15.7	107.91 R	86.39	83.01	66.46
3.500	1.7	17.5	105.35 R	91.75	81.04	70.58
3.600	1.5	15.2	107.95 L	86.32	83.04	66.40
3.700	0.9	9.0	96.23 L	72.61	74.03	55.85
3.800	-0.1	-1.1	66.14 L	50.36	50.88	38.74
3.900	-1.5	-15.0	-65.64 L	-60.21	-50.49	-46.31
4.000	-3.3	-32.7	-109.67 L	-100.89	-84.36	-77.60

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-32.7	-109.67	L -100.89	-84.36	-77.60
4.100	-1.6	-15.2	-65.61	R -60.27	-50.47	-46.36
4.200	-0.2	-1.5	66.13	R 49.52	50.87	38.09
4.300	0.8	8.4	96.23	R 72.33	74.03	55.64
4.400	1.4	14.4	107.95	R 86.05	83.04	66.19
4.500	1.6	16.5	105.37	R 91.50	81.05	70.38
4.600	1.4	14.5	107.95	L 86.15	83.04	66.27
4.700	0.8	8.7	96.24	L 72.53	74.03	55.79
4.800	-0.1	-1.0	66.14	L 50.38	50.88	38.76
4.900	-1.5	-14.6	-65.63	L -60.10	-50.49	-46.23
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.100	-1.5	-14.5	-65.63	R -60.09	-50.49	-46.22
5.200	-0.1	-0.9	66.14	R 49.83	50.88	38.33
5.300	0.9	8.8	96.24	R 72.59	74.03	55.84
5.400	1.4	14.7	107.95	R 86.25	83.04	66.34
5.500	1.6	16.8	105.37	L 91.64	81.05	70.49
5.600	1.4	14.7	107.95	L 86.23	83.04	66.33
5.700	0.8	8.7	96.24	L 72.56	74.03	55.82
5.800	-0.1	-1.1	66.14	L 50.36	50.88	38.74
5.900	-1.5	-14.7	-65.63	L -60.17	-50.49	-46.28
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.100	-1.5	-14.7	-65.63	R -60.20	-50.49	-46.30
6.200	-0.1	-1.1	66.14	R 49.79	50.88	38.30
6.300	0.8	8.7	96.24	R 72.56	74.03	55.82
6.400	1.4	14.7	107.96	R 86.23	83.04	66.33
6.500	1.6	16.8	105.37	L 91.64	81.05	70.49
6.600	1.4	14.7	107.95	L 86.25	83.04	66.34
6.700	0.9	8.8	96.24	L 72.59	74.03	55.84
6.800	-0.1	-0.9	66.14	L 50.40	50.88	38.77
6.900	-1.5	-14.5	-65.63	L -60.06	-50.49	-46.20
7.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-32.0	-109.68 L	-100.68	-84.37	-77.45
7.100	-1.5	-14.6	-65.63 R	-60.13	-50.49	-46.25
7.200	-0.1	-1.0	66.14 R	49.81	50.88	38.32
7.300	0.8	8.7	96.24 R	72.53	74.03	55.79
7.400	1.4	14.5	107.96 R	86.15	83.04	66.27
7.500	1.6	16.5	105.37 L	91.50	81.05	70.38
7.600	1.4	14.4	107.95 L	86.05	83.04	66.19
7.700	0.8	8.4	96.23 L	72.33	74.03	55.64
7.800	-0.2	-1.5	66.13 L	50.09	50.87	38.53
7.900	-1.6	-15.2	-65.61 L	-60.24	-50.47	-46.34
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.100	-1.5	-15.0	-65.64 R	-60.23	-50.49	-46.33
8.200	-0.1	-1.1	66.14 R	49.79	50.88	38.30
8.300	0.9	9.0	96.23 R	72.61	74.03	55.85
8.400	1.5	15.2	107.95 R	86.32	83.04	66.40
8.500	1.7	17.5	105.35 L	91.75	81.04	70.58
8.600	1.6	15.7	107.91 L	86.39	83.01	66.46
8.700	1.0	10.0	96.18 L	72.77	73.98	55.97
8.800	0.1	0.5	66.06 L	50.62	50.82	38.94
8.900	-1.2	-12.8	-65.31 L	-58.83	-50.24	-45.25
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.100	-1.3	-13.5	-65.66 R	-59.38	-50.51	-45.68
9.200	-0.1	-0.9	66.18 R	49.84	50.90	38.34
9.300	0.7	7.8	95.90 R	71.92	73.77	55.32
9.400	1.1	12.8	107.17 R	84.82	82.44	65.25
9.500	1.2	13.9	105.00 R	89.43	80.77	68.79
9.600	0.8	10.8	107.38 L	83.25	82.60	64.04
9.700	0.1	3.9	95.41 L	68.82	73.39	52.94
9.800	-1.0	-6.9	65.10 L	46.06	50.07	35.43
9.900	-2.6	-21.5	-75.60 L	-65.17	-58.15	-50.13
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05
10.100	-2.0	-18.5	-69.02 R	-64.38	-53.10	-49.53
10.200	0.1	-0.9	71.18 R	52.92	54.76	40.70
10.300	1.7	12.9	110.76 R	80.07	85.20	61.59
10.400	2.8	22.8	128.16 R	98.93	98.59	76.10
10.500	3.5	28.9	134.99 R	110.27	103.84	84.83
10.600	3.7	30.8	143.13 R	110.70	110.10	85.15
10.700	3.5	28.9	142.83 R	101.42	109.87	78.01
10.800	2.8	23.1	121.14 R	79.47	93.18	61.13
10.900	1.6	13.5	74.46 R	46.51	57.28	35.77
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 8	1.000	215.8C	191.7	-191.7	-215.8C	215.8	191.7	-191.7	-215.
9	1.100	215.8C	191.7	-191.7	-215.8C	206.8	182.6	-200.7	-224.
3	1.200	215.8C	191.7	-191.7	-215.8C	200.3	176.1	-207.2	-231.
2	1.300	215.8C	191.7	-191.7	-215.8C	196.4	172.3	-211.0	-235.
5	1.400	215.8C	191.7	-191.7	-215.8C	195.1	171.0	-212.3	-236.
2	1.500	215.8C	191.7	-191.7	-215.8C	196.4	172.2	-211.1	-235.
2	1.600	215.8C	191.7	-191.7	-215.8C	200.5	176.3	-207.0	-231.
5	1.700	215.8C	191.7	-191.7	-215.8C	207.1	182.9	-200.4	-224.
3	1.800	215.8C	191.7	-191.7	-215.8C	216.3	192.1	-191.2	-215.
5	1.900	215.8C	191.7	-191.7	-215.8C	228.1	203.9	-179.4	-203.
1	2.000	215.8C	191.7	-191.7	-215.8C	242.5	218.3	-165.0	-189.
7	2.000	180.4C	161.2	-161.2	-180.4C	207.0	187.9	-134.5	-153.
9	2.100	180.4C	161.2	-161.2	-180.4C	194.8	175.6	-146.7	-165.
6	2.200	180.4C	161.2	-161.2	-180.4C	185.2	166.0	-156.4	-175.
7	2.300	180.4C	161.2	-161.2	-180.4C	178.0	158.8	-163.6	-182.
3	2.400	180.4C	161.2	-161.2	-180.4C	173.4	154.2	-168.2	-187.
4	2.500	180.4C	161.2	-161.2	-180.4C	171.4	152.2	-170.2	-189.
7	2.600	180.4C	161.2	-161.2	-180.4C	172.0	152.8	-169.5	-188.
5	2.700	180.4C	161.2	-161.2	-180.4C	175.3	156.1	-166.3	-185.
8	2.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
5	2.900	180.4C	161.2	-161.2	-180.4C	189.3	170.1	-152.3	-171.

6	3.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
6	3.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
0	3.100	180.4C	161.2	-161.2	-180.4C	188.8	169.6	-152.8	-172.
8	3.200	180.4C	161.2	-161.2	-180.4C	180.0	160.8	-161.6	-180.
0	3.300	180.4C	161.2	-161.2	-180.4C	173.7	154.5	-167.8	-187.
8	3.400	180.4C	161.2	-161.2	-180.4C	170.0	150.8	-171.6	-190.
9	3.500	180.4C	161.2	-161.2	-180.4C	168.8	149.6	-172.7	-191.
4	3.600	180.4C	161.2	-161.2	-180.4C	170.4	151.2	-171.2	-190.
3	3.700	180.4C	161.2	-161.2	-180.4C	174.5	155.3	-167.1	-186.
7	3.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
5	3.900	180.4C	161.2	-161.2	-180.4C	190.3	171.1	-151.3	-170.
8	4.000	180.4C	161.2	-161.2	-180.4C	202.0	182.8	-139.6	-158.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	180.4C	161.2	-161.2	-180.4C	202.0	182.8	-139.6	-158.
4.100	180.4C	161.2	-161.2	-180.4C	190.4	171.2	-151.2	-170.
4.200	180.4C	161.2	-161.2	-180.4C	181.4	162.2	-160.2	-179.
4.300	180.4C	161.2	-161.2	-180.4C	174.9	155.7	-166.7	-185.
4.400	180.4C	161.2	-161.2	-180.4C	170.9	151.7	-170.6	-189.
4.500	180.4C	161.2	-161.2	-180.4C	169.5	150.3	-172.1	-191.
4.600	180.4C	161.2	-161.2	-180.4C	170.8	151.6	-170.8	-189.
4.700	180.4C	161.2	-161.2	-180.4C	174.7	155.5	-166.9	-186.
4.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
4.900	180.4C	161.2	-161.2	-180.4C	190.0	170.8	-151.6	-170.
5.000	180.4C	161.2	-161.2	-180.4C	201.5	182.3	-140.1	-159.
5.000	180.4C	161.2	-161.2	-180.4C	201.5	182.3	-140.1	-159.
5.100	180.4C	161.2	-161.2	-180.4C	190.0	170.8	-151.6	-170.
5.200	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
5.300	180.4C	161.2	-161.2	-180.4C	174.6	155.4	-167.0	-186.
5.400	180.4C	161.2	-161.2	-180.4C	170.7	151.5	-170.9	-190.
5.500	180.4C	161.2	-161.2	-180.4C	169.3	150.1	-172.2	-191.
5.600	180.4C	161.2	-161.2	-180.4C	170.7	151.5	-170.9	-190.
5.700	180.4C	161.2	-161.2	-180.4C	174.6	155.5	-166.9	-186.
5.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
5.900	180.4C	161.2	-161.2	-180.4C	190.1	170.9	-151.5	-170.

1	6.000	180.4C	161.2	-161.2	-180.4C	201.7	182.5	-139.9	-159.
1	6.000	180.4C	161.2	-161.2	-180.4C	201.7	182.5	-139.9	-159.
7	6.100	180.4C	161.2	-161.2	-180.4C	190.1	170.9	-151.5	-170.
7	6.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
1	6.300	180.4C	161.2	-161.2	-180.4C	174.6	155.5	-166.9	-186.
0	6.400	180.4C	161.2	-161.2	-180.4C	170.7	151.5	-170.9	-190.
4	6.500	180.4C	161.2	-161.2	-180.4C	169.3	150.1	-172.2	-191.
1	6.600	180.4C	161.2	-161.2	-180.4C	170.7	151.5	-170.9	-190.
2	6.700	180.4C	161.2	-161.2	-180.4C	174.6	155.4	-167.0	-186.
8	6.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
8	6.900	180.4C	161.2	-161.2	-180.4C	190.0	170.8	-151.6	-170.
3	7.000	180.4C	161.2	-161.2	-180.4C	201.5	182.3	-140.1	-159.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

INV.

Rating Live Load:

HS20

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
3	7.000	180.4C	161.2	-161.2	-180.4C	201.5	182.3	-140.1	-159.
8	7.100	180.4C	161.2	-161.2	-180.4C	190.0	170.8	-151.6	-170.
7	7.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
1	7.300	180.4C	161.2	-161.2	-180.4C	174.7	155.5	-166.9	-186.
9	7.400	180.4C	161.2	-161.2	-180.4C	170.8	151.6	-170.8	-189.
3	7.500	180.4C	161.2	-161.2	-180.4C	169.5	150.3	-172.1	-191.
8	7.600	180.4C	161.2	-161.2	-180.4C	170.9	151.7	-170.6	-189.
9	7.700	180.4C	161.2	-161.2	-180.4C	174.9	155.7	-166.7	-185.
4	7.800	180.4C	161.2	-161.2	-180.4C	181.4	162.2	-160.2	-179.
3	7.900	180.4C	161.2	-161.2	-180.4C	190.4	171.2	-151.2	-170.
8	8.000	180.4C	161.2	-161.2	-180.4C	202.0	182.8	-139.6	-158.
8	8.000	180.4C	161.2	-161.2	-180.4C	202.0	182.8	-139.6	-158.
5	8.100	180.4C	161.2	-161.2	-180.4C	190.3	171.1	-151.3	-170.
7	8.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
3	8.300	180.4C	161.2	-161.2	-180.4C	174.5	155.3	-167.1	-186.
4	8.400	180.4C	161.2	-161.2	-180.4C	170.4	151.2	-171.2	-190.
9	8.500	180.4C	161.2	-161.2	-180.4C	168.8	149.6	-172.7	-191.
8	8.600	180.4C	161.2	-161.2	-180.4C	170.0	150.8	-171.6	-190.
0	8.700	180.4C	161.2	-161.2	-180.4C	173.7	154.5	-167.8	-187.
8	8.800	180.4C	161.2	-161.2	-180.4C	180.0	160.8	-161.6	-180.
0	8.900	180.4C	161.2	-161.2	-180.4C	188.8	169.6	-152.8	-172.

6	9.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
6	9.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
5	9.100	180.4C	161.2	-161.2	-180.4C	189.3	170.1	-152.3	-171.
8	9.200	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
5	9.300	180.4C	161.2	-161.2	-180.4C	175.3	156.1	-166.3	-185.
7	9.400	180.4C	161.2	-161.2	-180.4C	172.0	152.8	-169.5	-188.
4	9.500	180.4C	161.2	-161.2	-180.4C	171.4	152.2	-170.2	-189.
3	9.600	180.4C	161.2	-161.2	-180.4C	173.4	154.2	-168.2	-187.
7	9.700	180.4C	161.2	-161.2	-180.4C	178.0	158.8	-163.6	-182.
6	9.800	180.4C	161.2	-161.2	-180.4C	185.2	166.0	-156.4	-175.
9	9.900	180.4C	161.2	-161.2	-180.4C	194.8	175.6	-146.7	-165.
7	10.000	180.4C	161.2	-161.2	-180.4C	207.0	187.9	-134.5	-153.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
10.000	215.8C	161.2	-161.2	-215.8C	242.5	187.9	-134.5	-189.
10.100	215.8C	191.7	-191.7	-215.8C	228.1	203.9	-179.4	-203.
10.200	215.8C	191.7	-191.7	-215.8C	216.3	192.1	-191.2	-215.
10.300	215.8C	191.7	-191.7	-215.8C	207.1	182.9	-200.4	-224.
10.400	215.8C	191.7	-191.7	-215.8C	200.5	176.3	-207.0	-231.
10.500	215.8C	191.7	-191.7	-215.8C	196.4	172.2	-211.1	-235.
10.600	215.8C	191.7	-191.7	-215.8C	195.1	171.0	-212.3	-236.
10.700	215.8C	191.7	-191.7	-215.8C	196.4	172.3	-211.0	-235.
10.800	215.8C	191.7	-191.7	-215.8C	200.3	176.1	-207.2	-231.
10.900	215.8C	191.7	-191.7	-215.8C	206.8	182.6	-200.7	-224.
11.000	215.8C	191.7	-191.7	-215.8C	215.8	191.7	-191.7	-215.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	HS 999.00 999.0
1.100	2.78	28.83	2.45	32.30	HS 49.05 88.3
1.200	1.65	14.88	1.45	16.62	HS 29.08 52.3
1.300	1.38	10.11	1.21	11.26	HS 24.12 43.4
1.400	1.36	7.63	1.19	8.49	HS 23.89 43.0
1.500	1.46	6.06	1.28	6.76	HS 25.52 45.9
1.600	1.56	4.96	1.38	5.53	HS 27.51 49.5
1.700	1.87	4.11	1.65	4.61	HS 33.03 59.5
1.800	3.04	3.43	2.70	3.87	HS 53.99 97.2
1.900	8.68	2.60	7.76	2.95	HS 51.97 93.5
2.000	13.00	1.43	11.70	1.63	HS 28.52 51.3
2.000	11.10	1.16	10.07	1.33	HS 23.26 41.9
2.100	8.15	1.94	7.34	2.19	HS 38.82 69.9
2.200	2.84	2.53	2.55	2.84	HS 50.50 90.9
2.300	1.87	3.18	1.66	3.55	HS 33.29 59.9
2.400	1.62	4.11	1.44	4.58	HS 28.73 51.7
2.500	1.63	5.60	1.45	6.24	HS 28.98 52.2
2.600	1.61	5.06	1.43	5.63	HS 28.53 51.3
2.700	1.83	3.94	1.63	4.39	HS 32.55 58.6
2.800	2.73	3.15	2.44	3.53	HS 48.91 88.0
2.900	6.68	2.32	6.00	2.61	HS 46.38 83.5
3.000	9.00	1.29	8.14	1.47	HS 25.82 46.5
3.000	9.00	1.29	8.14	1.47	HS 25.82 46.5
3.100	6.53	2.34	5.87	2.63	HS 46.78 84.2
3.200	2.72	3.20	2.43	3.59	HS 48.68 87.6
3.300	1.81	4.01	1.61	4.47	HS 32.14 57.8
3.400	1.58	5.15	1.40	5.73	HS 27.95 50.3
3.500	1.60	6.92	1.42	7.69	HS 28.41 51.1
3.600	1.58	5.09	1.40	5.66	HS 28.01 50.4
3.700	1.81	3.95	1.61	4.41	HS 32.27 58.1
3.800	2.74	3.15	2.45	3.53	HS 48.96 88.1
3.900	6.82	2.31	6.13	2.60	HS 46.10 83.0
4.000	11.05	1.27	10.00	1.45	HS 25.46 45.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	11.05	1.27	10.00	1.45	HS 25.46	45.8
4.100	6.74	2.30	6.06	2.60	HS 46.08	82.9
4.200	2.74	3.15	2.45	3.52	HS 49.05	88.3
4.300	1.82	3.94	1.62	4.40	HS 32.36	58.2
4.400	1.58	5.08	1.41	5.65	HS 28.11	50.6
4.500	1.61	6.78	1.43	7.54	HS 28.53	51.4
4.600	1.58	5.08	1.40	5.65	HS 28.09	50.6
4.700	1.82	3.95	1.62	4.40	HS 32.31	58.2
4.800	2.74	3.15	2.45	3.53	HS 48.95	88.1
4.900	6.76	2.31	6.07	2.60	HS 46.18	83.1
5.000	10.85	1.28	9.81	1.45	HS 25.55	46.0
5.000	10.85	1.28	9.81	1.45	HS 25.55	46.0
5.100	6.64	2.31	5.97	2.60	HS 46.19	83.2
5.200	2.74	3.15	2.45	3.53	HS 48.93	88.1
5.300	1.81	3.95	1.62	4.41	HS 32.29	58.1
5.400	1.58	5.08	1.40	5.65	HS 28.07	50.5
5.500	1.61	6.81	1.42	7.57	HS 28.50	51.3
5.600	1.58	5.08	1.40	5.65	HS 28.07	50.5
5.700	1.82	3.95	1.62	4.40	HS 32.31	58.2
5.800	2.74	3.15	2.45	3.53	HS 48.96	88.1
5.900	6.77	2.31	6.09	2.60	HS 46.15	83.1
6.000	10.90	1.28	9.87	1.45	HS 25.51	45.9
6.000	10.90	1.28	9.87	1.45	HS 25.51	45.9
6.100	6.66	2.31	5.99	2.60	HS 46.15	83.1
6.200	2.74	3.15	2.45	3.53	HS 48.96	88.1
6.300	1.82	3.95	1.62	4.40	HS 32.31	58.2
6.400	1.58	5.08	1.40	5.65	HS 28.07	50.5
6.500	1.61	6.81	1.42	7.57	HS 28.50	51.3
6.600	1.58	5.08	1.40	5.65	HS 28.07	50.5
6.700	1.81	3.95	1.62	4.41	HS 32.29	58.1
6.800	2.74	3.15	2.45	3.53	HS 48.93	88.1
6.900	6.75	2.31	6.07	2.60	HS 46.20	83.2
7.000	10.85	1.28	9.81	1.45	HS 25.55	46.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	10.85	1.28	9.81	1.45	HS 25.55	46.0
7.100	6.64	2.31	5.97	2.60	HS 46.18	83.1
7.200	2.74	3.15	2.45	3.53	HS 48.95	88.1
7.300	1.82	3.95	1.62	4.40	HS 32.31	58.2
7.400	1.58	5.08	1.40	5.65	HS 28.09	50.6
7.500	1.61	6.78	1.43	7.54	HS 28.53	51.4
7.600	1.58	5.08	1.41	5.65	HS 28.11	50.6
7.700	1.82	3.94	1.62	4.40	HS 32.36	58.2
7.800	2.74	3.15	2.45	3.52	HS 49.05	88.3
7.900	6.86	2.30	6.17	2.60	HS 46.08	82.9
8.000	11.05	1.27	10.00	1.45	HS 25.46	45.8
8.000	11.05	1.27	10.00	1.45	HS 25.46	45.8
8.100	6.70	2.31	6.03	2.60	HS 46.10	83.0
8.200	2.74	3.15	2.45	3.53	HS 48.96	88.1
8.300	1.81	3.95	1.61	4.41	HS 32.27	58.1
8.400	1.58	5.09	1.40	5.66	HS 28.01	50.4
8.500	1.60	6.92	1.42	7.69	HS 28.41	51.1
8.600	1.58	5.15	1.40	5.73	HS 27.95	50.3
8.700	1.81	4.01	1.61	4.47	HS 32.14	57.8
8.800	2.72	3.20	2.43	3.59	HS 48.68	87.6
8.900	6.64	2.34	5.97	2.63	HS 46.78	84.2
9.000	9.00	1.29	8.14	1.47	HS 25.82	46.5
9.000	9.00	1.29	8.14	1.47	HS 25.82	46.5
9.100	6.57	2.32	5.91	2.61	HS 46.38	83.5
9.200	2.73	3.15	2.44	3.53	HS 48.91	88.0
9.300	1.83	3.94	1.63	4.39	HS 32.55	58.6
9.400	1.61	5.06	1.43	5.63	HS 28.53	51.3
9.500	1.63	5.60	1.45	6.24	HS 28.98	52.2
9.600	1.62	4.11	1.44	4.58	HS 28.73	51.7
9.700	1.87	3.18	1.66	3.55	HS 33.29	59.9
9.800	2.84	2.53	2.55	2.84	HS 50.50	90.9
9.900	8.31	1.94	7.49	2.19	HS 38.82	69.9
10.000	11.10	1.17	10.07	1.34	HS 23.40	42.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
10.000	13.00	1.17	10.07	1.64	HS 23.40	42.1
10.100	8.52	2.60	7.62	2.95	HS 51.97	93.5
10.200	3.04	3.43	2.70	3.87	HS 53.99	97.2
10.300	1.87	4.11	1.65	4.61	HS 33.03	59.5
10.400	1.56	4.96	1.38	5.53	HS 27.51	49.5
10.500	1.46	6.06	1.28	6.76	HS 25.52	45.9
10.600	1.36	7.63	1.19	8.49	HS 23.89	43.0
10.700	1.38	10.11	1.21	11.26	HS 24.12	43.4
10.800	1.65	14.88	1.45	16.62	HS 29.08	52.3
10.900	2.78	28.83	2.45	32.30	HS 49.05	88.3
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
1.000	0.7	6.2	35.63	27.51	27.41	21.16
1.100	0.6	4.6	29.78	23.60	22.91	18.15
1.200	0.4	3.1	24.23	19.88	18.64	15.29
1.300	0.2	1.5	19.04	16.39	14.65	12.61
1.400	0.0	0.0	14.31	13.14	11.01	10.11
1.500	-0.2	-1.6	-16.77	-15.50	-12.90	-11.92
1.600	-0.4	-3.2	-20.25	-18.55	-15.58	-14.27
1.700	-0.5	-4.7	-25.94	-21.53	-19.95	-16.56
1.800	-0.7	-6.3	-31.40	-24.42	-24.15	-18.78
1.900	-0.9	-7.8	-36.40	-27.15	-28.00	-20.89
2.000	-1.1	-9.4	-40.86	-29.69	-31.43	-22.84
2.000	0.8	-9.4	38.90	29.41	29.92	22.63
2.100	0.7	6.6	33.68	26.57	25.90	20.44
2.200	0.5	5.1	28.40	23.46	21.85	18.05
2.300	0.4	3.5	23.00	20.18	17.69	15.53
2.400	0.2	2.0	18.91	16.86	14.54	12.97
2.500	0.1	0.5	14.79	13.59	11.38	10.45
2.600	-0.1	-1.2	-18.64	-16.43	-14.34	-12.64
2.700	-0.2	-2.7	-22.82	-19.76	-17.55	-15.20
2.800	-0.4	-4.3	-28.19	-23.05	-21.69	-17.73
2.900	-0.6	-5.8	-33.45	-26.18	-25.73	-20.14
3.000	-0.7	-7.3	-38.37	-29.05	-29.52	-22.35
3.000	0.8	7.7	38.42	29.25	29.56	22.50
3.100	0.6	6.1	33.52	26.39	25.78	20.30
3.200	0.5	4.6	28.27	23.26	21.74	17.90
3.300	0.3	3.0	22.89	19.98	17.61	15.37
3.400	0.1	1.5	18.67	16.66	14.36	12.81
3.500	0.0	-0.1	14.60	-13.48	11.23	-10.37
3.600	-0.2	-1.7	-18.67	-16.74	-14.36	-12.88
3.700	-0.3	-3.2	-22.88	-20.07	-17.60	-15.44
3.800	-0.5	-4.8	-28.26	-23.35	-21.74	-17.96
3.900	-0.6	-6.3	-33.51	-26.48	-25.78	-20.37
4.000	-0.8	-7.9	-38.42	-29.34	-29.55	-22.57

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
4.000	0.8	-7.9	38.42	29.33	29.56	22.56
4.100	0.6	6.2	33.51	26.47	25.78	20.36
4.200	0.5	4.7	28.26	23.34	21.74	17.95
4.300	0.3	3.2	22.89	20.06	17.61	15.43
4.400	0.2	1.6	18.67	16.73	14.36	12.87
4.500	0.0	0.1	14.61	13.47	11.23	10.36
4.600	-0.2	-1.6	-18.67	-16.71	-14.36	-12.85
4.700	-0.3	-3.1	-22.89	-20.03	-17.61	-15.41
4.800	-0.5	-4.7	-28.26	-23.31	-21.74	-17.93
4.900	-0.6	-6.2	-33.51	-26.44	-25.78	-20.34
5.000	-0.8	-7.7	-38.42	-29.30	-29.56	-22.54
5.000	0.8	7.7	38.42	29.31	29.56	22.55
5.100	0.6	6.2	33.51	26.45	25.78	20.35
5.200	0.5	4.7	28.26	23.33	21.74	17.94
5.300	0.3	3.1	22.89	20.05	17.61	15.42
5.400	0.2	1.6	18.67	16.72	14.36	12.86
5.500	0.0	0.1	14.61	-13.46	11.24	-10.36
5.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
5.700	-0.3	-3.2	-22.89	-20.05	-17.61	-15.43
5.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
5.900	-0.6	-6.2	-33.51	-26.46	-25.78	-20.36
6.000	-0.8	-7.8	-38.42	-29.32	-29.56	-22.56
6.000	0.8	7.8	38.42	29.32	29.56	22.56
6.100	0.6	6.2	33.51	26.46	25.78	20.36
6.200	0.5	4.7	28.26	23.34	21.74	17.95
6.300	0.3	3.2	22.89	20.05	17.61	15.43
6.400	0.2	1.6	18.67	16.73	14.36	12.87
6.500	0.0	0.1	14.61	13.46	11.24	10.36
6.600	-0.2	-1.6	-18.67	-16.72	-14.36	-12.86
6.700	-0.3	-3.1	-22.89	-20.05	-17.61	-15.42
6.800	-0.5	-4.7	-28.26	-23.33	-21.74	-17.94
6.900	-0.6	-6.2	-33.51	-26.45	-25.78	-20.35
7.000	-0.8	-7.7	-38.42	-29.31	-29.56	-22.55

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	38.42	29.30	29.56	22.54
7.100	0.6	6.2	33.51	26.44	25.78	20.34
7.200	0.5	4.7	28.26	23.31	21.74	17.93
7.300	0.3	3.1	22.89	20.03	17.61	15.41
7.400	0.2	1.6	18.67	16.71	14.36	12.85
7.500	0.0	0.1	14.61	-13.47	-11.24	-10.36
7.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
7.700	-0.3	-3.2	-22.89	-20.06	-17.61	-15.43
7.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
7.900	-0.6	-6.2	-33.51	-26.47	-25.78	-20.36
8.000	-0.8	-7.8	-38.42	-29.33	-29.56	-22.56
8.000	0.8	7.9	38.42	29.34	29.55	22.57
8.100	0.6	6.3	33.51	26.48	25.78	20.37
8.200	0.5	4.8	28.26	23.35	21.74	17.96
8.300	0.3	3.2	22.88	20.07	17.60	15.44
8.400	0.2	1.7	18.67	16.74	14.36	12.88
8.500	0.0	0.2	14.60	13.48	11.23	10.37
8.600	-0.1	-1.5	-18.67	-16.66	-14.36	-12.81
8.700	-0.3	-3.0	-22.89	-19.98	-17.61	-15.37
8.800	-0.5	-4.6	-28.27	-23.26	-21.74	-17.90
8.900	-0.6	-6.1	-33.52	-26.39	-25.78	-20.30
9.000	-0.8	-7.7	-38.42	-29.25	-29.56	-22.50
9.000	0.7	-7.7	38.37	29.05	29.52	22.35
9.100	0.6	5.8	33.45	26.18	25.73	20.14
9.200	0.4	4.3	28.19	23.05	21.69	17.73
9.300	0.2	2.7	22.82	19.76	17.55	15.20
9.400	0.1	1.2	18.64	16.43	14.34	12.64
9.500	-0.1	-0.4	-14.79	-13.59	-11.38	-10.45
9.600	-0.2	-2.0	-18.91	-16.86	-14.54	-12.97
9.700	-0.4	-3.5	-23.00	-20.18	-17.69	-15.53
9.800	-0.5	-5.1	-28.40	-23.46	-21.85	-18.05
9.900	-0.7	-6.6	-33.68	-26.57	-25.90	-20.44
10.000	-0.8	-8.1	-38.59	-29.41	-29.69	-22.63

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
10.000	1.1	9.4	40.86	29.69	31.43	22.84
10.100	0.9	7.8	36.40	27.15	28.00	20.89
10.200	0.7	6.3	31.40	24.42	24.15	18.78
10.300	0.5	4.7	25.94	21.53	19.95	16.56
10.400	0.4	3.2	20.25	18.55	15.58	14.27
10.500	0.2	1.7	16.77	15.50	12.90	11.92
10.600	0.0	0.0	-14.31	-13.14	-11.01	-10.11
10.700	-0.2	-1.5	-19.04	-16.39	-14.65	-12.61
10.800	-0.4	-3.1	-24.23	-19.88	-18.64	-15.29
10.900	-0.6	-4.6	-29.78	-23.60	-22.91	-18.15
11.000	-0.7	-6.2	-35.63	-27.51	-27.41	-21.16

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	103.3	-83.6	75.3
1.100	103.3	-82.5	76.3
1.200	103.3	-81.5	77.4
1.300	103.3	-80.5	78.4
1.400	103.3	-79.4	79.4
1.500	103.3	-78.4	80.5
1.600	103.3	-77.3	81.6
1.700	103.3	-76.3	82.6
1.800	103.3	-75.2	83.6
1.900	103.3	-74.2	84.7
2.000	103.3	-73.2	85.7
2.000	90.8	-73.2	64.4
2.100	90.8	-74.2	65.4
2.200	90.8	-73.2	66.5
2.300	90.8	-72.2	67.5
2.400	90.8	-71.2	68.5
2.500	90.8	-70.1	69.5
2.600	90.8	-69.0	70.6
2.700	90.8	-68.0	71.6
2.800	90.8	-67.0	72.6
2.900	90.8	-66.0	73.6
3.000	90.8	-65.0	70.3
3.000	90.8	-65.0	64.8
3.100	90.8	-73.9	65.8
3.200	90.8	-72.8	66.8
3.300	90.8	-71.8	67.8
3.400	90.8	-70.8	68.8
3.500	90.8	-69.8	69.9
3.600	90.8	-68.7	71.0
3.700	90.8	-67.7	72.0
3.800	90.8	-66.7	73.0
3.900	90.8	-65.6	74.0
4.000	90.8	-64.6	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	90.8	-64.6	64.7
4.100	90.8	-73.9	65.7
4.200	90.8	-72.9	66.7
4.300	90.8	-71.9	67.7
4.400	90.8	-70.9	68.7
4.500	90.8	-69.9	69.8
4.600	90.8	-68.8	70.9
4.700	90.8	-67.8	71.9
4.800	90.8	-66.8	72.9
4.900	90.8	-65.7	73.9
5.000	90.8	-64.7	70.3
5.000	90.8	-64.7	64.7
5.100	90.8	-73.9	65.7
5.200	90.8	-72.9	66.7
5.300	90.8	-71.9	67.8
5.400	90.8	-70.9	68.8
5.500	90.8	-69.9	69.8
5.600	90.8	-68.8	70.9
5.700	90.8	-67.7	71.9
5.800	90.8	-66.7	72.9
5.900	90.8	-65.7	73.9
6.000	90.8	-64.7	70.3
6.000	90.8	-64.7	64.7
6.100	90.8	-73.9	65.7
6.200	90.8	-72.9	66.7
6.300	90.8	-71.9	67.7
6.400	90.8	-70.9	68.8
6.500	90.8	-69.9	69.8
6.600	90.8	-68.8	70.9
6.700	90.8	-67.8	71.9
6.800	90.8	-66.7	72.9
6.900	90.8	-65.7	73.9
7.000	90.8	-64.7	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	90.8	-64.7	64.7
7.100	90.8	-73.9	65.7
7.200	90.8	-72.9	66.8
7.300	90.8	-71.9	67.8
7.400	90.8	-70.9	68.8
7.500	90.8	-69.8	69.8
7.600	90.8	-68.7	70.9
7.700	90.8	-67.7	71.9
7.800	90.8	-66.7	72.9
7.900	90.8	-65.7	73.9
8.000	90.8	-64.7	70.3
8.000	90.8	-64.7	64.6
8.100	90.8	-74.0	65.6
8.200	90.8	-73.0	66.7
8.300	90.8	-72.0	67.7
8.400	90.8	-71.0	68.7
8.500	90.8	-69.9	69.7
8.600	90.8	-68.8	70.8
8.700	90.8	-67.8	71.8
8.800	90.8	-66.8	72.8
8.900	90.8	-65.8	73.9
9.000	90.8	-64.8	70.3
9.000	90.8	-64.8	65.0
9.100	90.8	-73.6	66.0
9.200	90.8	-72.6	67.0
9.300	90.8	-71.6	68.0
9.400	90.8	-70.6	69.0
9.500	90.8	-69.6	70.1
9.600	90.8	-68.5	71.2
9.700	90.8	-67.5	72.2
9.800	90.8	-66.5	73.2
9.900	90.8	-65.4	74.2
10.000	90.8	-64.4	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	103.3	-64.4	73.2
10.100	103.3	-84.7	74.2
10.200	103.3	-83.6	75.2
10.300	103.3	-82.6	76.3
10.400	103.3	-81.6	77.3
10.500	103.3	-80.5	78.3
10.600	103.3	-79.4	79.4
10.700	103.3	-78.4	80.5
10.800	103.3	-77.4	81.5
10.900	103.3	-76.3	82.5
11.000	103.3	-75.3	79.9

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	31.32	2.11	HS 42.26	76.1
1.100	23.44	2.56	HS 51.25	92.3
1.200	12.47	3.19	HS 63.86	114.9
1.300	8.29	4.12	HS 82.32	148.2
1.400	6.22	5.55	HS 110.98	199.8
1.500	4.68	7.45	HS 93.51	168.3
1.600	3.82	10.86	HS 76.34	137.4
1.700	2.94	16.00	HS 58.80	105.8
1.800	2.40	26.56	HS 47.91	86.2
1.900	2.04	56.69	HS 40.77	73.4
2.000	1.79	119.88	HS 35.81	64.4
2.000	1.79	1.66	HS 33.12	59.6
2.100	22.26	1.94	HS 38.87	70.0
2.200	15.69	2.34	HS 46.80	84.2
2.300	10.04	2.93	HS 58.69	105.6
2.400	7.08	3.62	HS 72.45	130.4
2.500	4.82	4.70	HS 93.99	169.2
2.600	3.70	6.75	HS 74.08	133.4
2.700	2.98	9.43	HS 59.62	107.3
2.800	2.38	14.38	HS 47.54	85.6
2.900	1.97	17.50	HS 39.46	71.0
3.000	1.69	16.69	HS 33.87	61.0
3.000	1.69	1.69	HS 33.72	60.7
3.100	20.56	1.96	HS 39.26	70.7
3.200	14.65	2.36	HS 47.27	85.1
3.300	9.57	2.96	HS 59.26	106.7
3.400	6.83	3.69	HS 73.75	132.8
3.500	4.78	4.78	HS 95.58	172.1
3.600	3.68	6.90	HS 73.59	132.5
3.700	2.96	9.70	HS 59.15	106.5
3.800	2.36	14.94	HS 47.18	84.9
3.900	1.96	21.21	HS 39.18	70.5
4.000	1.68	20.44	HS 33.64	60.6

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	1.68	1.68	HS 33.64	60.6
4.100	20.82	1.96	HS 39.21	70.6
4.200	14.77	2.36	HS 47.21	85.0
4.300	9.63	2.96	HS 59.18	106.5
4.400	6.86	3.68	HS 73.64	132.5
4.500	4.78	4.78	HS 95.53	172.0
4.600	3.68	6.84	HS 73.68	132.6
4.700	2.96	9.59	HS 59.22	106.6
4.800	2.36	14.69	HS 47.24	85.0
4.900	1.96	20.67	HS 39.23	70.6
5.000	1.68	19.92	HS 33.69	60.6
5.000	1.68	1.68	HS 33.68	60.6
5.100	20.68	1.96	HS 39.22	70.6
5.200	14.70	2.36	HS 47.23	85.0
5.300	9.60	2.96	HS 59.21	106.6
5.400	6.85	3.68	HS 73.66	132.6
5.500	4.78	4.78	HS 95.57	172.0
5.600	3.68	6.85	HS 73.65	132.6
5.700	2.96	9.61	HS 59.19	106.6
5.800	2.36	14.73	HS 47.22	85.0
5.900	1.96	20.74	HS 39.22	70.6
6.000	1.68	19.99	HS 33.68	60.6
6.000	1.68	1.68	HS 33.68	60.6
6.100	20.74	1.96	HS 39.22	70.6
6.200	14.73	2.36	HS 47.22	85.0
6.300	9.61	2.96	HS 59.19	106.6
6.400	6.85	3.68	HS 73.65	132.6
6.500	4.78	4.78	HS 95.55	172.0
6.600	3.68	6.85	HS 73.66	132.6
6.700	2.96	9.60	HS 59.21	106.6
6.800	2.36	14.70	HS 47.23	85.0
6.900	1.96	20.68	HS 39.22	70.6
7.000	1.68	19.94	HS 33.68	60.6

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	1.68	1.68	HS 33.68	60.6
7.100	20.67	1.96	HS 39.23	70.6
7.200	14.69	2.36	HS 47.24	85.0
7.300	9.59	2.96	HS 59.22	106.6
7.400	6.84	3.68	HS 73.68	132.6
7.500	4.78	4.78	HS 95.59	172.1
7.600	3.68	6.86	HS 73.64	132.5
7.700	2.96	9.63	HS 59.18	106.5
7.800	2.36	14.77	HS 47.21	85.0
7.900	1.96	20.82	HS 39.21	70.6
8.000	1.68	20.06	HS 33.67	60.6
8.000	1.68	1.68	HS 33.64	60.6
8.100	21.21	1.96	HS 39.18	70.5
8.200	14.94	2.36	HS 47.18	84.9
8.300	9.70	2.96	HS 59.15	106.5
8.400	6.90	3.68	HS 73.59	132.5
8.500	4.79	4.77	HS 95.48	171.9
8.600	3.69	6.83	HS 73.75	132.8
8.700	2.96	9.57	HS 59.26	106.7
8.800	2.36	14.65	HS 47.27	85.1
8.900	1.96	20.56	HS 39.26	70.7
9.000	1.69	19.83	HS 33.72	60.7
9.000	1.69	1.69	HS 33.72	60.7
9.100	18.18	1.97	HS 39.46	71.0
9.200	14.38	2.38	HS 47.54	85.6
9.300	9.43	2.98	HS 59.62	107.3
9.400	6.75	3.70	HS 74.08	133.4
9.500	4.70	4.81	HS 94.10	169.4
9.600	3.62	7.08	HS 72.45	130.4
9.700	2.93	10.04	HS 58.69	105.6
9.800	2.34	15.69	HS 46.80	84.2
9.900	1.94	21.33	HS 38.87	70.0
10.000	1.67	20.22	HS 33.39	60.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	1.67	1.79	HS 33.39	60.1
10.100	56.69	2.04	HS 40.77	73.4
10.200	26.56	2.40	HS 47.91	86.2
10.300	16.00	2.94	HS 58.80	105.8
10.400	10.86	3.82	HS 76.34	137.4
10.500	7.46	4.67	HS 93.42	168.2
10.600	5.55	6.22	HS 110.98	199.8
10.700	4.12	8.29	HS 82.32	148.2
10.800	3.19	12.47	HS 63.86	114.9
10.900	2.56	23.44	HS 51.25	92.3
11.000	2.11	30.37	HS 42.26	76.1

3.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
3.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
3.100 59.2	162.0	162.0	-173.3	-173.3	176.1	176.1	-159.2	-1
3.200 68.0	167.9	167.9	-167.4	-167.4	167.3	167.3	-168.0	-1
3.300 74.3	172.1	172.1	-163.2	-163.2	161.0	161.0	-174.3	-1
3.400 78.0	174.6	174.6	-160.7	-160.7	157.3	157.3	-178.0	-1
3.500 79.2	175.3	175.3	-159.9	-159.9	156.1	156.1	-179.2	-1
3.600 77.6	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
3.700 73.5	171.6	171.6	-163.7	-163.7	161.7	161.7	-173.5	-1
3.800 66.9	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
3.900 57.7	161.0	161.0	-174.2	-174.2	177.5	177.5	-157.7	-1
4.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

INV.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1
4.100 57.6	161.0	161.0	-174.3	-174.3	177.7	177.7	-157.6	-1
4.200 66.6	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.6	-1
4.300 73.1	171.3	171.3	-164.0	-164.0	162.1	162.1	-173.1	-1
4.400 77.1	173.9	173.9	-161.3	-161.3	158.2	158.2	-177.1	-1
4.500 78.5	174.9	174.9	-160.4	-160.4	156.8	156.8	-178.5	-1
4.600 77.2	174.0	174.0	-161.3	-161.3	158.1	158.1	-177.2	-1
4.700 73.3	171.4	171.4	-163.8	-163.8	161.9	161.9	-173.3	-1
4.800 66.9	167.2	167.2	-168.1	-168.1	168.3	168.3	-166.9	-1
4.900 58.0	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-1
5.000 46.5	153.6	153.6	-181.7	-181.7	188.7	188.7	-146.5	-1
5.000 46.5	153.6	153.6	-181.7	-181.7	188.7	188.7	-146.5	-1
5.100 58.0	161.2	161.2	-174.0	-174.0	177.2	177.2	-158.0	-1
5.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
5.300 73.4	171.5	171.5	-163.8	-163.8	161.8	161.8	-173.4	-1
5.400 77.3	174.1	174.1	-161.2	-161.2	157.9	157.9	-177.3	-1
5.500 78.7	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-1
5.600 77.3	174.1	174.1	-161.2	-161.2	158.0	158.0	-177.3	-1
5.700 73.4	171.5	171.5	-163.8	-163.8	161.9	161.9	-173.4	-1
5.800 66.9	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
5.900 57.9	161.2	161.2	-174.1	-174.1	177.4	177.4	-157.9	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

INV.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 46.5	153.6	153.6	-181.7	-181.7	188.7	188.7	-146.5	-1
7.100 58.0	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-1
7.200 66.9	167.2	167.2	-168.1	-168.1	168.3	168.3	-166.9	-1
7.300 73.3	171.4	171.4	-163.8	-163.8	161.9	161.9	-173.3	-1
7.400 77.2	174.0	174.0	-161.3	-161.3	158.1	158.1	-177.2	-1
7.500 78.5	174.9	174.9	-160.4	-160.4	156.8	156.8	-178.5	-1
7.600 77.1	173.9	173.9	-161.3	-161.3	158.2	158.2	-177.1	-1
7.700 73.1	171.3	171.3	-164.0	-164.0	162.1	162.1	-173.1	-1
7.800 66.6	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.6	-1
7.900 57.6	161.0	161.0	-174.3	-174.3	177.7	177.7	-157.6	-1
8.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1
8.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1
8.100 57.7	161.0	161.0	-174.2	-174.2	177.5	177.5	-157.7	-1
8.200 66.9	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
8.300 73.5	171.6	171.6	-163.7	-163.7	161.7	161.7	-173.5	-1
8.400 77.6	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
8.500 79.2	175.3	175.3	-159.9	-159.9	156.1	156.1	-179.2	-1
8.600 78.0	174.6	174.6	-160.7	-160.7	157.3	157.3	-178.0	-1
8.700 74.3	172.1	172.1	-163.2	-163.2	161.0	161.0	-174.3	-1
8.800 68.0	167.9	167.9	-167.4	-167.4	167.3	167.3	-168.0	-1
8.900 59.2	162.0	162.0	-173.3	-173.3	176.1	176.1	-159.2	-1

9.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
9.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
9.100 58.7	161.7	161.7	-173.6	-173.6	176.6	176.6	-158.7	-1
9.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
9.300 72.8	171.1	171.1	-164.2	-164.2	162.5	162.5	-172.8	-1
9.400 76.0	173.2	173.2	-162.1	-162.1	159.3	159.3	-176.0	-1
9.500 76.7	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
9.600 74.6	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
9.700 70.0	169.2	169.2	-166.1	-166.1	165.3	165.3	-170.0	-1
9.800 62.9	164.5	164.5	-170.8	-170.8	172.4	172.4	-162.9	-1
9.900 53.2	158.0	158.0	-177.3	-177.3	182.1	182.1	-153.2	-1
10.000 41.0	149.9	149.9	-185.4	-185.4	194.3	194.3	-141.0	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
10.000 41.0	149.9	149.9	-185.4	-185.4	194.3	194.3	-141.0	-1
10.100 87.0	191.1	191.1	-207.5	-207.5	211.6	211.6	-187.0	-1
10.200 98.8	199.0	199.0	-199.6	-199.6	199.8	199.8	-198.8	-1
10.300 08.0	205.1	205.1	-193.5	-193.5	190.6	190.6	-208.0	-2
10.400 14.7	209.6	209.6	-189.1	-189.1	184.0	184.0	-214.7	-2
10.500 18.7	212.3	212.3	-186.4	-186.4	179.9	179.9	-218.7	-2
10.600 20.0	213.1	213.1	-185.5	-185.5	178.6	178.6	-220.0	-2
10.700 18.7	212.2	212.2	-186.4	-186.4	179.9	179.9	-218.7	-2
10.800 14.8	209.7	209.7	-189.0	-189.0	183.8	183.8	-214.8	-2
10.900 08.4	205.3	205.3	-193.3	-193.3	190.3	190.3	-208.4	-2
11.000 99.3	199.3	199.3	-199.3	-199.3	199.3	199.3	-199.3	-1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	2.56	29.93	2.56	29.93	HS 51.11	92.0
1.200	1.52	15.43	1.52	15.43	HS 30.35	54.6
1.300	1.26	10.47	1.26	10.47	HS 25.19	45.3
1.400	1.25	7.90	1.25	7.90	HS 24.96	44.9
1.500	1.33	6.28	1.33	6.28	HS 26.65	48.0
1.600	1.43	5.14	1.43	5.14	HS 28.71	51.7
1.700	1.72	4.27	1.72	4.27	HS 34.42	61.9
1.800	2.81	3.57	2.81	3.57	HS 56.14	101.1
1.900	8.05	2.71	8.05	2.71	HS 54.19	97.5
2.000	12.12	1.49	12.12	1.49	HS 29.85	53.7
2.000	10.42	1.22	10.42	1.22	HS 24.37	43.9
2.100	7.61	2.03	7.61	2.03	HS 40.53	73.0
2.200	2.65	2.63	2.65	2.63	HS 52.58	94.6
2.300	1.73	3.31	1.73	3.31	HS 34.65	62.4
2.400	1.50	4.27	1.50	4.27	HS 29.93	53.9
2.500	1.51	5.82	1.51	5.82	HS 30.21	54.4
2.600	1.49	5.25	1.49	5.25	HS 29.73	53.5
2.700	1.70	4.09	1.70	4.09	HS 33.89	61.0
2.800	2.54	3.28	2.54	3.28	HS 50.85	91.5
2.900	6.23	2.42	6.23	2.42	HS 48.34	87.0
3.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
3.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
3.100	6.09	2.44	6.09	2.44	HS 48.76	87.8
3.200	2.53	3.33	2.53	3.33	HS 50.63	91.1
3.300	1.67	4.16	1.67	4.16	HS 33.48	60.3
3.400	1.46	5.35	1.46	5.35	HS 29.15	52.5
3.500	1.48	7.18	1.48	7.18	HS 29.63	53.3
3.600	1.46	5.28	1.46	5.28	HS 29.21	52.6
3.700	1.68	4.11	1.68	4.11	HS 33.61	60.5
3.800	2.55	3.28	2.55	3.28	HS 50.91	91.6
3.900	6.36	2.40	6.36	2.40	HS 48.06	86.5
4.000	10.35	1.33	10.35	1.33	HS 26.63	47.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	10.35	1.33	10.35	1.33	HS 26.63	47.9
4.100	6.29	2.40	6.29	2.40	HS 48.04	86.5
4.200	2.55	3.27	2.55	3.27	HS 51.00	91.8
4.300	1.68	4.10	1.68	4.10	HS 33.70	60.7
4.400	1.47	5.27	1.47	5.27	HS 29.31	52.8
4.500	1.49	7.04	1.49	7.04	HS 29.76	53.6
4.600	1.46	5.27	1.46	5.27	HS 29.29	52.7
4.700	1.68	4.10	1.68	4.10	HS 33.65	60.6
4.800	2.55	3.28	2.55	3.28	HS 50.90	91.6
4.900	6.30	2.41	6.30	2.41	HS 48.15	86.7
5.000	10.16	1.34	10.16	1.34	HS 26.72	48.1
5.000	10.16	1.34	10.16	1.34	HS 26.72	48.1
5.100	6.20	2.41	6.20	2.41	HS 48.16	86.7
5.200	2.54	3.28	2.54	3.28	HS 50.88	91.6
5.300	1.68	4.10	1.68	4.10	HS 33.63	60.5
5.400	1.46	5.28	1.46	5.28	HS 29.26	52.7
5.500	1.49	7.06	1.49	7.06	HS 29.72	53.5
5.600	1.46	5.27	1.46	5.27	HS 29.27	52.7
5.700	1.68	4.10	1.68	4.10	HS 33.65	60.6
5.800	2.55	3.28	2.55	3.28	HS 50.91	91.6
5.900	6.32	2.41	6.32	2.41	HS 48.12	86.6
6.000	10.22	1.34	10.22	1.34	HS 26.69	48.0
6.000	10.22	1.34	10.22	1.34	HS 26.69	48.0
6.100	6.21	2.41	6.21	2.41	HS 48.12	86.6
6.200	2.55	3.28	2.55	3.28	HS 50.91	91.6
6.300	1.68	4.10	1.68	4.10	HS 33.65	60.6
6.400	1.46	5.27	1.46	5.27	HS 29.27	52.7
6.500	1.49	7.06	1.49	7.06	HS 29.72	53.5
6.600	1.46	5.28	1.46	5.28	HS 29.26	52.7
6.700	1.68	4.10	1.68	4.10	HS 33.63	60.5
6.800	2.54	3.28	2.54	3.28	HS 50.88	91.6
6.900	6.30	2.41	6.30	2.41	HS 48.16	86.7
7.000	10.16	1.34	10.16	1.34	HS 26.72	48.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	10.16	1.34	10.16	1.34	HS 26.72	48.1
7.100	6.20	2.41	6.20	2.41	HS 48.15	86.7
7.200	2.55	3.28	2.55	3.28	HS 50.90	91.6
7.300	1.68	4.10	1.68	4.10	HS 33.65	60.6
7.400	1.46	5.27	1.46	5.27	HS 29.29	52.7
7.500	1.49	7.04	1.49	7.04	HS 29.76	53.6
7.600	1.47	5.27	1.47	5.27	HS 29.31	52.8
7.700	1.68	4.10	1.68	4.10	HS 33.70	60.7
7.800	2.55	3.27	2.55	3.27	HS 51.00	91.8
7.900	6.40	2.40	6.40	2.40	HS 48.04	86.5
8.000	10.35	1.33	10.35	1.33	HS 26.63	47.9
8.000	10.35	1.33	10.35	1.33	HS 26.63	47.9
8.100	6.26	2.40	6.26	2.40	HS 48.06	86.5
8.200	2.55	3.28	2.55	3.28	HS 50.91	91.6
8.300	1.68	4.11	1.68	4.11	HS 33.61	60.5
8.400	1.46	5.28	1.46	5.28	HS 29.21	52.6
8.500	1.48	7.18	1.48	7.18	HS 29.63	53.3
8.600	1.46	5.35	1.46	5.35	HS 29.15	52.5
8.700	1.67	4.16	1.67	4.16	HS 33.48	60.3
8.800	2.53	3.33	2.53	3.33	HS 50.63	91.1
8.900	6.20	2.44	6.20	2.44	HS 48.76	87.8
9.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
9.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
9.100	6.13	2.42	6.13	2.42	HS 48.34	87.0
9.200	2.54	3.28	2.54	3.28	HS 50.85	91.5
9.300	1.70	4.09	1.70	4.09	HS 33.89	61.0
9.400	1.49	5.25	1.49	5.25	HS 29.73	53.5
9.500	1.51	5.82	1.51	5.82	HS 30.21	54.4
9.600	1.50	4.27	1.50	4.27	HS 29.93	53.9
9.700	1.73	3.31	1.73	3.31	HS 34.65	62.4
9.800	2.65	2.63	2.65	2.63	HS 52.58	94.6
9.900	7.77	2.03	7.77	2.03	HS 40.53	73.0
10.000	10.42	1.23	10.42	1.23	HS 24.53	44.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	10.42	1.23	10.42	1.23	HS 24.53	44.1
10.100	7.91	2.71	7.91	2.71	HS 54.19	97.5
10.200	2.81	3.57	2.81	3.57	HS 56.14	101.1
10.300	1.72	4.27	1.72	4.27	HS 34.41	61.9
10.400	1.43	5.14	1.43	5.14	HS 28.71	51.7
10.500	1.33	6.28	1.33	6.28	HS 26.65	48.0
10.600	1.25	7.90	1.25	7.90	HS 24.96	44.9
10.700	1.26	10.47	1.26	10.47	HS 25.19	45.3
10.800	1.52	15.43	1.52	15.43	HS 30.35	54.6
10.900	2.56	29.93	2.56	29.93	HS 51.11	92.0
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	74.46 L	46.51	57.28	35.77
1.200	2.8	23.1	121.14 L	79.47	93.18	61.13
1.300	3.5	28.9	142.83 L	101.42	109.87	78.01
1.400	3.7	30.8	143.13 L	110.70	110.10	85.15
1.500	3.5	28.9	134.99 L	110.27	103.84	84.83
1.600	2.8	22.8	128.16 L	98.93	98.59	76.10
1.700	1.7	12.9	110.76 L	80.07	85.20	61.59
1.800	0.1	-0.9	71.18 L	52.92	54.76	40.70
1.900	-2.0	-18.5	-69.02 L	-64.36	-53.10	-49.51
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.100	-2.6	-21.5	-75.60 R	-65.20	-58.15	-50.15
2.200	-1.0	-6.9	65.10 R	45.48	50.07	34.99
2.300	0.1	3.9	95.41 R	68.82	73.39	52.94
2.400	0.8	10.8	107.38 R	83.25	82.60	64.04
2.500	1.2	13.9	105.00 L	89.43	80.77	68.79
2.600	1.1	12.8	107.17 L	84.82	82.44	65.25
2.700	0.7	7.8	95.90 L	71.92	73.77	55.32
2.800	-0.1	-0.9	66.18 L	50.41	50.90	38.78
2.900	-1.3	-13.5	-65.66 L	-59.35	-50.51	-45.66
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.100	-1.2	-12.8	-65.31 R	-58.86	-50.24	-45.28
3.200	0.1	0.5	66.06 R	50.05	50.82	38.50
3.300	1.0	10.0	96.18 R	72.77	73.98	55.97
3.400	1.6	15.7	107.91 R	86.39	83.01	66.46
3.500	1.7	17.5	105.35 R	91.75	81.04	70.58
3.600	1.5	15.2	107.95 L	86.32	83.04	66.40
3.700	0.9	9.0	96.23 L	72.61	74.03	55.85
3.800	-0.1	-1.1	66.14 L	50.36	50.88	38.74
3.900	-1.5	-15.0	-65.64 L	-60.21	-50.49	-46.31
4.000	-3.3	-32.7	-109.67 L	-100.89	-84.36	-77.60

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-32.7	-109.67	L -100.89	-84.36	-77.60
4.100	-1.6	-15.2	-65.61	R -60.27	-50.47	-46.36
4.200	-0.2	-1.5	66.13	R 49.52	50.87	38.09
4.300	0.8	8.4	96.23	R 72.33	74.03	55.64
4.400	1.4	14.4	107.95	R 86.05	83.04	66.19
4.500	1.6	16.5	105.37	R 91.50	81.05	70.38
4.600	1.4	14.5	107.95	L 86.15	83.04	66.27
4.700	0.8	8.7	96.24	L 72.53	74.03	55.79
4.800	-0.1	-1.0	66.14	L 50.38	50.88	38.76
4.900	-1.5	-14.6	-65.63	L -60.10	-50.49	-46.23
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.100	-1.5	-14.5	-65.63	R -60.09	-50.49	-46.22
5.200	-0.1	-0.9	66.14	R 49.83	50.88	38.33
5.300	0.9	8.8	96.24	R 72.59	74.03	55.84
5.400	1.4	14.7	107.95	R 86.25	83.04	66.34
5.500	1.6	16.8	105.37	L 91.64	81.05	70.49
5.600	1.4	14.7	107.95	L 86.23	83.04	66.33
5.700	0.8	8.7	96.24	L 72.56	74.03	55.82
5.800	-0.1	-1.1	66.14	L 50.36	50.88	38.74
5.900	-1.5	-14.7	-65.63	L -60.17	-50.49	-46.28
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.100	-1.5	-14.7	-65.63	R -60.20	-50.49	-46.30
6.200	-0.1	-1.1	66.14	R 49.79	50.88	38.30
6.300	0.8	8.7	96.24	R 72.56	74.03	55.82
6.400	1.4	14.7	107.96	R 86.23	83.04	66.33
6.500	1.6	16.8	105.37	L 91.64	81.05	70.49
6.600	1.4	14.7	107.95	L 86.25	83.04	66.34
6.700	0.9	8.8	96.24	L 72.59	74.03	55.84
6.800	-0.1	-0.9	66.14	L 50.40	50.88	38.77
6.900	-1.5	-14.5	-65.63	L -60.06	-50.49	-46.20
7.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-32.0	-109.68 L	-100.68	-84.37	-77.45
7.100	-1.5	-14.6	-65.63 R	-60.13	-50.49	-46.25
7.200	-0.1	-1.0	66.14 R	49.81	50.88	38.32
7.300	0.8	8.7	96.24 R	72.53	74.03	55.79
7.400	1.4	14.5	107.96 R	86.15	83.04	66.27
7.500	1.6	16.5	105.37 L	91.50	81.05	70.38
7.600	1.4	14.4	107.95 L	86.05	83.04	66.19
7.700	0.8	8.4	96.23 L	72.33	74.03	55.64
7.800	-0.2	-1.5	66.13 L	50.09	50.87	38.53
7.900	-1.6	-15.2	-65.61 L	-60.24	-50.47	-46.34
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.100	-1.5	-15.0	-65.64 R	-60.23	-50.49	-46.33
8.200	-0.1	-1.1	66.14 R	49.79	50.88	38.30
8.300	0.9	9.0	96.23 R	72.61	74.03	55.85
8.400	1.5	15.2	107.95 R	86.32	83.04	66.40
8.500	1.7	17.5	105.35 L	91.75	81.04	70.58
8.600	1.6	15.7	107.91 L	86.39	83.01	66.46
8.700	1.0	10.0	96.18 L	72.77	73.98	55.97
8.800	0.1	0.5	66.06 L	50.62	50.82	38.94
8.900	-1.2	-12.8	-65.31 L	-58.83	-50.24	-45.25
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.100	-1.3	-13.5	-65.66 R	-59.38	-50.51	-45.68
9.200	-0.1	-0.9	66.18 R	49.84	50.90	38.34
9.300	0.7	7.8	95.90 R	71.92	73.77	55.32
9.400	1.1	12.8	107.17 R	84.82	82.44	65.25
9.500	1.2	13.9	105.00 R	89.43	80.77	68.79
9.600	0.8	10.8	107.38 L	83.25	82.60	64.04
9.700	0.1	3.9	95.41 L	68.82	73.39	52.94
9.800	-1.0	-6.9	65.10 L	46.06	50.07	35.43
9.900	-2.6	-21.5	-75.60 L	-65.17	-58.15	-50.13
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05
10.100	-2.0	-18.5	-69.02 R	-64.38	-53.10	-49.53
10.200	0.1	-0.9	71.18 R	52.92	54.76	40.70
10.300	1.7	12.9	110.76 R	80.07	85.20	61.59
10.400	2.8	22.8	128.16 R	98.93	98.59	76.10
10.500	3.5	28.9	134.99 R	110.27	103.84	84.83
10.600	3.7	30.8	143.13 R	110.70	110.10	85.15
10.700	3.5	28.9	142.83 R	101.42	109.87	78.01
10.800	2.8	23.1	121.14 R	79.47	93.18	61.13
10.900	1.6	13.5	74.46 R	46.51	57.28	35.77
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
8	1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
5	1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
0	1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
2	1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
0	1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
3	1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
2	1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
9	1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
2	1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2	2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2	2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
6	2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
7	2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2	2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
7	2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
5	2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2	2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
6	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
8	2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	HS 999.00 999.0
1.100	4.63	48.05	4.09	53.84	HS 81.75 147.2
1.200	2.76	24.80	2.42	27.69	HS 48.47 87.2
1.300	2.29	16.84	2.01	18.77	HS 40.20 72.4
1.400	2.27	12.71	1.99	14.16	HS 39.82 71.7
1.500	2.42	10.11	2.13	11.26	HS 42.53 76.6
1.600	2.61	8.26	2.29	9.23	HS 45.85 82.5
1.700	3.12	6.85	2.75	7.68	HS 55.05 99.1
1.800	5.06	5.72	4.50	6.44	HS 89.98 162.0
1.900	14.47	4.33	12.94	4.91	HS 86.62 155.9
2.000	21.67	2.38	19.51	2.72	HS 47.54 85.6
2.000	18.50	1.94	16.79	2.21	HS 38.76 69.8
2.100	13.58	3.23	12.24	3.66	HS 64.70 116.5
2.200	4.74	4.21	4.25	4.72	HS 84.17 151.5
2.300	3.11	5.30	2.77	5.92	HS 55.49 99.9
2.400	2.69	6.85	2.39	7.63	HS 47.88 86.2
2.500	2.72	9.34	2.41	10.39	HS 48.31 87.0
2.600	2.68	8.43	2.38	9.38	HS 47.54 85.6
2.700	3.05	6.57	2.71	7.32	HS 54.25 97.6
2.800	4.56	5.26	4.08	5.88	HS 81.51 146.7
2.900	11.14	3.87	10.01	4.35	HS 77.30 139.1
3.000	15.00	2.15	13.56	2.44	HS 43.04 77.5
3.000	15.00	2.15	13.56	2.44	HS 43.04 77.5
3.100	10.89	3.90	9.78	4.39	HS 77.97 140.3
3.200	4.54	5.34	4.06	5.98	HS 81.14 146.0
3.300	3.01	6.68	2.68	7.45	HS 53.56 96.4
3.400	2.63	8.59	2.33	9.55	HS 46.59 83.9
3.500	2.67	11.54	2.37	12.82	HS 47.35 85.2
3.600	2.63	8.49	2.33	9.44	HS 46.69 84.0
3.700	3.02	6.59	2.69	7.35	HS 53.79 96.8
3.800	4.56	5.25	4.08	5.88	HS 81.60 146.9
3.900	11.37	3.84	10.22	4.33	HS 76.83 138.3
4.000	18.42	2.12	16.67	2.41	HS 42.43 76.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	18.42	2.12	16.67	2.41	HS 42.43	76.4
4.100	11.24	3.84	10.10	4.33	HS 76.79	138.2
4.200	4.57	5.24	4.09	5.87	HS 81.75	147.1
4.300	3.03	6.57	2.70	7.33	HS 53.93	97.1
4.400	2.64	8.46	2.34	9.41	HS 46.85	84.3
4.500	2.68	11.31	2.38	12.57	HS 47.55	85.6
4.600	2.64	8.47	2.34	9.42	HS 46.82	84.3
4.700	3.03	6.58	2.69	7.34	HS 53.86	96.9
4.800	4.56	5.25	4.08	5.88	HS 81.59	146.9
4.900	11.26	3.85	10.12	4.34	HS 76.97	138.6
5.000	18.08	2.13	16.36	2.42	HS 42.58	76.6
5.000	18.08	2.13	16.36	2.42	HS 42.58	76.6
5.100	11.07	3.85	9.95	4.34	HS 76.99	138.6
5.200	4.56	5.26	4.08	5.88	HS 81.55	146.8
5.300	3.02	6.59	2.69	7.34	HS 53.82	96.9
5.400	2.63	8.47	2.34	9.42	HS 46.78	84.2
5.500	2.68	11.35	2.38	12.61	HS 47.50	85.5
5.600	2.64	8.47	2.34	9.42	HS 46.79	84.2
5.700	3.03	6.58	2.69	7.34	HS 53.84	96.9
5.800	4.56	5.25	4.08	5.88	HS 81.61	146.9
5.900	11.29	3.85	10.15	4.33	HS 76.92	138.5
6.000	18.18	2.13	16.45	2.42	HS 42.52	76.5
6.000	18.18	2.13	16.45	2.42	HS 42.52	76.5
6.100	11.10	3.85	9.98	4.33	HS 76.92	138.5
6.200	4.56	5.25	4.08	5.88	HS 81.60	146.9
6.300	3.03	6.58	2.69	7.34	HS 53.84	96.9
6.400	2.64	8.47	2.34	9.42	HS 46.79	84.2
6.500	2.68	11.35	2.38	12.61	HS 47.50	85.5
6.600	2.63	8.47	2.34	9.42	HS 46.78	84.2
6.700	3.02	6.59	2.69	7.34	HS 53.82	96.9
6.800	4.56	5.26	4.08	5.88	HS 81.55	146.8
6.900	11.26	3.85	10.12	4.34	HS 76.99	138.6
7.000	18.08	2.13	16.36	2.42	HS 42.58	76.6

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	18.08	2.13	16.36	2.42	HS 42.58	76.6
7.100	11.07	3.85	9.95	4.34	HS 76.97	138.6
7.200	4.56	5.25	4.08	5.88	HS 81.59	146.9
7.300	3.03	6.58	2.69	7.34	HS 53.86	96.9
7.400	2.64	8.47	2.34	9.42	HS 46.82	84.3
7.500	2.68	11.31	2.38	12.56	HS 47.55	85.6
7.600	2.64	8.46	2.34	9.41	HS 46.85	84.3
7.700	3.03	6.57	2.70	7.33	HS 53.93	97.1
7.800	4.57	5.24	4.09	5.87	HS 81.75	147.1
7.900	11.43	3.84	10.28	4.33	HS 76.79	138.2
8.000	18.42	2.12	16.67	2.41	HS 42.43	76.4
8.000	18.42	2.12	16.67	2.41	HS 42.43	76.4
8.100	11.18	3.84	10.05	4.33	HS 76.83	138.3
8.200	4.56	5.25	4.08	5.88	HS 81.60	146.9
8.300	3.02	6.59	2.69	7.35	HS 53.79	96.8
8.400	2.63	8.49	2.33	9.44	HS 46.69	84.0
8.500	2.67	11.54	2.37	12.82	HS 47.35	85.2
8.600	2.63	8.59	2.33	9.55	HS 46.59	83.9
8.700	3.01	6.68	2.68	7.45	HS 53.56	96.4
8.800	4.54	5.34	4.06	5.98	HS 81.14	146.0
8.900	11.07	3.90	9.95	4.39	HS 77.97	140.3
9.000	15.00	2.15	13.56	2.44	HS 43.04	77.5
9.000	15.00	2.15	13.56	2.44	HS 43.04	77.5
9.100	10.95	3.87	9.84	4.35	HS 77.30	139.1
9.200	4.56	5.26	4.08	5.88	HS 81.51	146.7
9.300	3.05	6.57	2.71	7.32	HS 54.25	97.6
9.400	2.68	8.43	2.38	9.38	HS 47.54	85.6
9.500	2.72	9.34	2.41	10.39	HS 48.31	87.0
9.600	2.69	6.85	2.39	7.63	HS 47.88	86.2
9.700	3.11	5.30	2.77	5.92	HS 55.49	99.9
9.800	4.74	4.21	4.25	4.72	HS 84.17	151.5
9.900	13.85	3.23	12.49	3.66	HS 64.70	116.5
10.000	18.50	1.95	16.79	2.23	HS 39.01	70.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	21.67	1.95	16.79	2.74	HS 39.01	70.2
10.100	14.20	4.33	12.70	4.91	HS 86.62	155.9
10.200	5.06	5.72	4.50	6.44	HS 89.98	162.0
10.300	3.12	6.85	2.75	7.68	HS 55.05	99.1
10.400	2.61	8.26	2.29	9.23	HS 45.85	82.5
10.500	2.42	10.11	2.13	11.26	HS 42.53	76.6
10.600	2.27	12.71	1.99	14.16	HS 39.82	71.7
10.700	2.29	16.84	2.01	18.77	HS 40.20	72.4
10.800	2.76	24.80	2.42	27.69	HS 48.47	87.2
10.900	4.63	48.05	4.09	53.84	HS 81.75	147.2
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
1.000	0.7	6.2	35.63	27.51	27.41	21.16
1.100	0.6	4.6	29.78	23.60	22.91	18.15
1.200	0.4	3.1	24.23	19.88	18.64	15.29
1.300	0.2	1.5	19.04	16.39	14.65	12.61
1.400	0.0	0.0	14.31	13.14	11.01	10.11
1.500	-0.2	-1.6	-16.77	-15.50	-12.90	-11.92
1.600	-0.4	-3.2	-20.25	-18.55	-15.58	-14.27
1.700	-0.5	-4.7	-25.94	-21.53	-19.95	-16.56
1.800	-0.7	-6.3	-31.40	-24.42	-24.15	-18.78
1.900	-0.9	-7.8	-36.40	-27.15	-28.00	-20.89
2.000	-1.1	-9.4	-40.86	-29.69	-31.43	-22.84
2.000	0.8	-9.4	38.90	29.41	29.92	22.63
2.100	0.7	6.6	33.68	26.57	25.90	20.44
2.200	0.5	5.1	28.40	23.46	21.85	18.05
2.300	0.4	3.5	23.00	20.18	17.69	15.53
2.400	0.2	2.0	18.91	16.86	14.54	12.97
2.500	0.1	0.5	14.79	13.59	11.38	10.45
2.600	-0.1	-1.2	-18.64	-16.43	-14.34	-12.64
2.700	-0.2	-2.7	-22.82	-19.76	-17.55	-15.20
2.800	-0.4	-4.3	-28.19	-23.05	-21.69	-17.73
2.900	-0.6	-5.8	-33.45	-26.18	-25.73	-20.14
3.000	-0.7	-7.3	-38.37	-29.05	-29.52	-22.35
3.000	0.8	7.7	38.42	29.25	29.56	22.50
3.100	0.6	6.1	33.52	26.39	25.78	20.30
3.200	0.5	4.6	28.27	23.26	21.74	17.90
3.300	0.3	3.0	22.89	19.98	17.61	15.37
3.400	0.1	1.5	18.67	16.66	14.36	12.81
3.500	0.0	-0.1	14.60	-13.48	11.23	-10.37
3.600	-0.2	-1.7	-18.67	-16.74	-14.36	-12.88
3.700	-0.3	-3.2	-22.88	-20.07	-17.60	-15.44
3.800	-0.5	-4.8	-28.26	-23.35	-21.74	-17.96
3.900	-0.6	-6.3	-33.51	-26.48	-25.78	-20.37
4.000	-0.8	-7.9	-38.42	-29.34	-29.55	-22.57

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	38.42	29.33	29.56	22.56
4.100	0.6	6.2	33.51	26.47	25.78	20.36
4.200	0.5	4.7	28.26	23.34	21.74	17.95
4.300	0.3	3.2	22.89	20.06	17.61	15.43
4.400	0.2	1.6	18.67	16.73	14.36	12.87
4.500	0.0	0.1	14.61	13.47	11.23	10.36
4.600	-0.2	-1.6	-18.67	-16.71	-14.36	-12.85
4.700	-0.3	-3.1	-22.89	-20.03	-17.61	-15.41
4.800	-0.5	-4.7	-28.26	-23.31	-21.74	-17.93
4.900	-0.6	-6.2	-33.51	-26.44	-25.78	-20.34
5.000	-0.8	-7.7	-38.42	-29.30	-29.56	-22.54
5.000	0.8	7.7	38.42	29.31	29.56	22.55
5.100	0.6	6.2	33.51	26.45	25.78	20.35
5.200	0.5	4.7	28.26	23.33	21.74	17.94
5.300	0.3	3.1	22.89	20.05	17.61	15.42
5.400	0.2	1.6	18.67	16.72	14.36	12.86
5.500	0.0	0.1	14.61	-13.46	11.24	-10.36
5.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
5.700	-0.3	-3.2	-22.89	-20.05	-17.61	-15.43
5.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
5.900	-0.6	-6.2	-33.51	-26.46	-25.78	-20.36
6.000	-0.8	-7.8	-38.42	-29.32	-29.56	-22.56
6.000	0.8	7.8	38.42	29.32	29.56	22.56
6.100	0.6	6.2	33.51	26.46	25.78	20.36
6.200	0.5	4.7	28.26	23.34	21.74	17.95
6.300	0.3	3.2	22.89	20.05	17.61	15.43
6.400	0.2	1.6	18.67	16.73	14.36	12.87
6.500	0.0	0.1	14.61	13.46	11.24	10.36
6.600	-0.2	-1.6	-18.67	-16.72	-14.36	-12.86
6.700	-0.3	-3.1	-22.89	-20.05	-17.61	-15.42
6.800	-0.5	-4.7	-28.26	-23.33	-21.74	-17.94
6.900	-0.6	-6.2	-33.51	-26.45	-25.78	-20.35
7.000	-0.8	-7.7	-38.42	-29.31	-29.56	-22.55

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	38.42	29.30	29.56	22.54
7.100	0.6	6.2	33.51	26.44	25.78	20.34
7.200	0.5	4.7	28.26	23.31	21.74	17.93
7.300	0.3	3.1	22.89	20.03	17.61	15.41
7.400	0.2	1.6	18.67	16.71	14.36	12.85
7.500	0.0	0.1	14.61	-13.47	-11.24	-10.36
7.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
7.700	-0.3	-3.2	-22.89	-20.06	-17.61	-15.43
7.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
7.900	-0.6	-6.2	-33.51	-26.47	-25.78	-20.36
8.000	-0.8	-7.8	-38.42	-29.33	-29.56	-22.56
8.000	0.8	7.9	38.42	29.34	29.55	22.57
8.100	0.6	6.3	33.51	26.48	25.78	20.37
8.200	0.5	4.8	28.26	23.35	21.74	17.96
8.300	0.3	3.2	22.88	20.07	17.60	15.44
8.400	0.2	1.7	18.67	16.74	14.36	12.88
8.500	0.0	0.2	14.60	13.48	11.23	10.37
8.600	-0.1	-1.5	-18.67	-16.66	-14.36	-12.81
8.700	-0.3	-3.0	-22.89	-19.98	-17.61	-15.37
8.800	-0.5	-4.6	-28.27	-23.26	-21.74	-17.90
8.900	-0.6	-6.1	-33.52	-26.39	-25.78	-20.30
9.000	-0.8	-7.7	-38.42	-29.25	-29.56	-22.50
9.000	0.7	-7.7	38.37	29.05	29.52	22.35
9.100	0.6	5.8	33.45	26.18	25.73	20.14
9.200	0.4	4.3	28.19	23.05	21.69	17.73
9.300	0.2	2.7	22.82	19.76	17.55	15.20
9.400	0.1	1.2	18.64	16.43	14.34	12.64
9.500	-0.1	-0.4	-14.79	-13.59	-11.38	-10.45
9.600	-0.2	-2.0	-18.91	-16.86	-14.54	-12.97
9.700	-0.4	-3.5	-23.00	-20.18	-17.69	-15.53
9.800	-0.5	-5.1	-28.40	-23.46	-21.85	-18.05
9.900	-0.7	-6.6	-33.68	-26.57	-25.90	-20.44
10.000	-0.8	-8.1	-38.59	-29.41	-29.69	-22.63

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
10.000	1.1	9.4	40.86	29.69	31.43	22.84
10.100	0.9	7.8	36.40	27.15	28.00	20.89
10.200	0.7	6.3	31.40	24.42	24.15	18.78
10.300	0.5	4.7	25.94	21.53	19.95	16.56
10.400	0.4	3.2	20.25	18.55	15.58	14.27
10.500	0.2	1.7	16.77	15.50	12.90	11.92
10.600	0.0	0.0	-14.31	-13.14	-11.01	-10.11
10.700	-0.2	-1.5	-19.04	-16.39	-14.65	-12.61
10.800	-0.4	-3.1	-24.23	-19.88	-18.64	-15.29
10.900	-0.6	-4.6	-29.78	-23.60	-22.91	-18.15
11.000	-0.7	-6.2	-35.63	-27.51	-27.41	-21.16

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	52.21	3.52	HS 70.43	126.8
1.100	39.06	4.27	HS 85.42	153.8
1.200	20.78	5.32	HS 106.43	191.6
1.300	13.82	6.86	HS 137.20	247.0
1.400	10.38	9.25	HS 184.96	332.9
1.500	7.79	12.42	HS 155.86	280.5
1.600	6.36	18.10	HS 127.23	229.0
1.700	4.90	26.67	HS 98.00	176.4
1.800	3.99	44.27	HS 79.85	143.7
1.900	3.40	94.49	HS 67.94	122.3
2.000	2.98	199.80	HS 59.68	107.4
2.000	2.98	2.76	HS 55.21	99.4
2.100	37.10	3.24	HS 64.78	116.6
2.200	26.15	3.90	HS 77.99	140.4
2.300	16.74	4.89	HS 97.81	176.1
2.400	11.81	6.04	HS 120.75	217.4
2.500	8.03	7.83	HS 156.65	282.0
2.600	6.17	11.24	HS 123.47	222.3
2.700	4.97	15.72	HS 99.36	178.9
2.800	3.96	23.97	HS 79.23	142.6
2.900	3.29	29.16	HS 65.77	118.4
3.000	2.82	27.82	HS 56.45	101.6
3.000	2.82	2.81	HS 56.20	101.2
3.100	34.26	3.27	HS 65.44	117.8
3.200	24.41	3.94	HS 78.78	141.8
3.300	15.95	4.94	HS 98.76	177.8
3.400	11.38	6.15	HS 122.92	221.3
3.500	7.97	7.97	HS 159.31	286.8
3.600	6.13	11.50	HS 122.64	220.8
3.700	4.93	16.17	HS 98.58	177.4
3.800	3.93	24.90	HS 78.63	141.5
3.900	3.27	35.35	HS 65.30	117.5
4.000	2.80	34.06	HS 56.07	100.9

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	2.80	2.81	HS 56.07	100.9
4.100	34.69	3.27	HS 65.35	117.6
4.200	24.62	3.93	HS 78.68	141.6
4.300	16.05	4.93	HS 98.64	177.5
4.400	11.44	6.14	HS 122.73	220.9
4.500	7.97	7.96	HS 159.22	286.6
4.600	6.14	11.40	HS 122.80	221.0
4.700	4.93	15.99	HS 98.70	177.7
4.800	3.94	24.48	HS 78.73	141.7
4.900	3.27	34.44	HS 65.39	117.7
5.000	2.81	33.21	HS 56.15	101.1
5.000	2.81	2.81	HS 56.14	101.0
5.100	34.47	3.27	HS 65.37	117.7
5.200	24.50	3.94	HS 78.71	141.7
5.300	16.00	4.93	HS 98.68	177.6
5.400	11.41	6.14	HS 122.77	221.0
5.500	7.97	7.96	HS 159.28	286.7
5.600	6.14	11.42	HS 122.75	220.9
5.700	4.93	16.02	HS 98.66	177.6
5.800	3.93	24.55	HS 78.70	141.7
5.900	3.27	34.56	HS 65.36	117.6
6.000	2.81	33.31	HS 56.13	101.0
6.000	2.81	2.81	HS 56.13	101.0
6.100	34.56	3.27	HS 65.36	117.6
6.200	24.55	3.93	HS 78.70	141.7
6.300	16.02	4.93	HS 98.66	177.6
6.400	11.42	6.14	HS 122.75	220.9
6.500	7.97	7.96	HS 159.25	286.6
6.600	6.14	11.41	HS 122.77	221.0
6.700	4.93	16.00	HS 98.68	177.6
6.800	3.94	24.50	HS 78.71	141.7
6.900	3.27	34.47	HS 65.37	117.7
7.000	2.81	33.23	HS 56.14	101.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	2.81	2.81	HS 56.14	101.0
7.100	34.44	3.27	HS 65.39	117.7
7.200	24.48	3.94	HS 78.73	141.7
7.300	15.99	4.93	HS 98.70	177.7
7.400	11.40	6.14	HS 122.80	221.0
7.500	7.97	7.97	HS 159.31	286.8
7.600	6.14	11.44	HS 122.73	220.9
7.700	4.93	16.05	HS 98.64	177.5
7.800	3.93	24.62	HS 78.68	141.6
7.900	3.27	34.69	HS 65.35	117.6
8.000	2.81	33.44	HS 56.11	101.0
8.000	2.81	2.80	HS 56.07	100.9
8.100	35.35	3.27	HS 65.30	117.5
8.200	24.90	3.93	HS 78.63	141.5
8.300	16.17	4.93	HS 98.58	177.4
8.400	11.50	6.13	HS 122.64	220.8
8.500	7.98	7.96	HS 159.13	286.4
8.600	6.15	11.38	HS 122.92	221.3
8.700	4.94	15.95	HS 98.76	177.8
8.800	3.94	24.41	HS 78.78	141.8
8.900	3.27	34.26	HS 65.44	117.8
9.000	2.81	33.05	HS 56.20	101.2
9.000	2.81	2.82	HS 56.20	101.2
9.100	30.30	3.29	HS 65.77	118.4
9.200	23.97	3.96	HS 79.23	142.6
9.300	15.72	4.97	HS 99.36	178.9
9.400	11.24	6.17	HS 123.47	222.3
9.500	7.84	8.02	HS 156.83	282.3
9.600	6.04	11.81	HS 120.75	217.4
9.700	4.89	16.74	HS 97.81	176.1
9.800	3.90	26.15	HS 77.99	140.4
9.900	3.24	35.55	HS 64.78	116.6
10.000	2.78	33.69	HS 55.65	100.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	2.78	2.98	HS 55.65	100.2
10.100	94.49	3.40	HS 67.94	122.3
10.200	44.27	3.99	HS 79.85	143.7
10.300	26.67	4.90	HS 98.00	176.4
10.400	18.10	6.36	HS 127.23	229.0
10.500	12.43	7.78	HS 155.70	280.3
10.600	9.25	10.38	HS 184.96	332.9
10.700	6.86	13.82	HS 137.20	247.0
10.800	5.32	20.78	HS 106.43	191.6
10.900	4.27	39.06	HS 85.42	153.8
11.000	3.52	50.62	HS 70.43	126.8

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
 Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.100	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
65.4								
3.200	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
80.0								
3.300	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
90.5								
3.400	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
96.7								
3.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
98.6								
3.600	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
96.1								
3.700	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
89.2								
3.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
3.900	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
4.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4								

6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.100	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
63.2								
6.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.300	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
89.0								
6.400	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
95.5								
6.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
6.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
6.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
6.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
6.900	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
63.4								
7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
44.2								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
7.100 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
7.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
7.300 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
7.400 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
7.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
7.600 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
7.700 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
7.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
7.900 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.100 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
8.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
8.300 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
8.400 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
8.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
8.600 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
8.700 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
8.800 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
8.900 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
9.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
9.100	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
64.5								
9.200	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
9.300	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
87.9								
9.400	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
93.3								
9.500	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
94.4								
9.600	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
9.700	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
83.3								
9.800	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
71.4								
9.900	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
55.3								
10.000	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
35.0								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	4.26	49.89	4.26	49.89	HS 85.18	153.3
1.200	2.53	25.72	2.53	25.72	HS 50.58	91.0
1.300	2.10	17.45	2.10	17.45	HS 41.99	75.6
1.400	2.08	13.17	2.08	13.17	HS 41.60	74.9
1.500	2.22	10.47	2.22	10.47	HS 44.42	80.0
1.600	2.39	8.57	2.39	8.57	HS 47.85	86.1
1.700	2.87	7.12	2.87	7.12	HS 57.36	103.2
1.800	4.68	5.95	4.68	5.95	HS 93.57	168.4
1.900	13.42	4.52	13.42	4.52	HS 90.32	162.6
2.000	20.19	2.49	20.19	2.49	HS 49.75	89.5
2.000	17.36	2.03	17.36	2.03	HS 40.62	73.1
2.100	12.69	3.38	12.69	3.38	HS 67.55	121.6
2.200	4.41	4.38	4.41	4.38	HS 87.64	157.7
2.300	2.89	5.51	2.89	5.51	HS 57.74	103.9
2.400	2.49	7.11	2.49	7.11	HS 49.88	89.8
2.500	2.52	9.69	2.52	9.69	HS 50.35	90.6
2.600	2.48	8.75	2.48	8.75	HS 49.55	89.2
2.700	2.82	6.82	2.82	6.82	HS 56.49	101.7
2.800	4.24	5.47	4.24	5.47	HS 84.76	152.6
2.900	10.39	4.03	10.39	4.03	HS 80.57	145.0
3.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
3.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
3.100	10.15	4.06	10.15	4.06	HS 81.26	146.3
3.200	4.22	5.55	4.22	5.55	HS 84.39	151.9
3.300	2.79	6.94	2.79	6.94	HS 55.80	100.4
3.400	2.43	8.91	2.43	8.91	HS 48.58	87.4
3.500	2.47	11.97	2.47	11.97	HS 49.39	88.9
3.600	2.43	8.81	2.43	8.81	HS 48.68	87.6
3.700	2.80	6.84	2.80	6.84	HS 56.02	100.8
3.800	4.24	5.46	4.24	5.46	HS 84.85	152.7
3.900	10.60	4.01	10.60	4.01	HS 80.11	144.2
4.000	17.26	2.22	17.26	2.22	HS 44.38	79.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	17.26	2.22	17.26	2.22	HS 44.38	79.9
4.100	10.48	4.00	10.48	4.00	HS 80.07	144.1
4.200	4.25	5.46	4.25	5.46	HS 85.00	153.0
4.300	2.81	6.83	2.81	6.83	HS 56.16	101.1
4.400	2.44	8.78	2.44	8.78	HS 48.84	87.9
4.500	2.48	11.73	2.48	11.73	HS 49.59	89.3
4.600	2.44	8.79	2.44	8.79	HS 48.81	87.9
4.700	2.80	6.84	2.80	6.84	HS 56.09	101.0
4.800	4.24	5.47	4.24	5.47	HS 84.84	152.7
4.900	10.51	4.01	10.51	4.01	HS 80.25	144.4
5.000	16.93	2.23	16.93	2.23	HS 44.53	80.2
5.000	16.93	2.23	16.93	2.23	HS 44.53	80.2
5.100	10.33	4.01	10.33	4.01	HS 80.27	144.5
5.200	4.24	5.47	4.24	5.47	HS 84.80	152.6
5.300	2.80	6.84	2.80	6.84	HS 56.05	100.9
5.400	2.44	8.79	2.44	8.79	HS 48.77	87.8
5.500	2.48	11.77	2.48	11.77	HS 49.54	89.2
5.600	2.44	8.79	2.44	8.79	HS 48.78	87.8
5.700	2.80	6.84	2.80	6.84	HS 56.08	100.9
5.800	4.24	5.46	4.24	5.46	HS 84.85	152.7
5.900	10.53	4.01	10.53	4.01	HS 80.20	144.4
6.000	17.03	2.22	17.03	2.22	HS 44.48	80.1
6.000	17.03	2.22	17.03	2.22	HS 44.48	80.1
6.100	10.36	4.01	10.36	4.01	HS 80.20	144.4
6.200	4.24	5.46	4.24	5.46	HS 84.85	152.7
6.300	2.80	6.84	2.80	6.84	HS 56.08	100.9
6.400	2.44	8.79	2.44	8.79	HS 48.78	87.8
6.500	2.48	11.77	2.48	11.77	HS 49.54	89.2
6.600	2.44	8.79	2.44	8.79	HS 48.77	87.8
6.700	2.80	6.84	2.80	6.84	HS 56.05	100.9
6.800	4.24	5.47	4.24	5.47	HS 84.80	152.6
6.900	10.50	4.01	10.50	4.01	HS 80.27	144.5
7.000	16.93	2.23	16.93	2.23	HS 44.53	80.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	16.93	2.23	16.93	2.23	HS 44.53	80.2
7.100	10.33	4.01	10.33	4.01	HS 80.25	144.4
7.200	4.24	5.47	4.24	5.47	HS 84.84	152.7
7.300	2.80	6.84	2.80	6.84	HS 56.09	101.0
7.400	2.44	8.79	2.44	8.79	HS 48.81	87.9
7.500	2.48	11.73	2.48	11.73	HS 49.59	89.3
7.600	2.44	8.78	2.44	8.78	HS 48.84	87.9
7.700	2.81	6.83	2.81	6.83	HS 56.16	101.1
7.800	4.25	5.46	4.25	5.46	HS 85.00	153.0
7.900	10.67	4.00	10.67	4.00	HS 80.07	144.1
8.000	17.26	2.22	17.26	2.22	HS 44.38	79.9
8.000	17.26	2.22	17.26	2.22	HS 44.38	79.9
8.100	10.43	4.01	10.43	4.01	HS 80.11	144.2
8.200	4.24	5.46	4.24	5.46	HS 84.85	152.7
8.300	2.80	6.84	2.80	6.84	HS 56.02	100.8
8.400	2.43	8.81	2.43	8.81	HS 48.68	87.6
8.500	2.47	11.97	2.47	11.97	HS 49.39	88.9
8.600	2.43	8.91	2.43	8.91	HS 48.58	87.4
8.700	2.79	6.94	2.79	6.94	HS 55.80	100.4
8.800	4.22	5.55	4.22	5.55	HS 84.39	151.9
8.900	10.32	4.06	10.32	4.06	HS 81.26	146.3
9.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
9.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
9.100	10.21	4.03	10.21	4.03	HS 80.57	145.0
9.200	4.24	5.47	4.24	5.47	HS 84.76	152.6
9.300	2.82	6.82	2.82	6.82	HS 56.49	101.7
9.400	2.48	8.75	2.48	8.75	HS 49.55	89.2
9.500	2.52	9.69	2.52	9.69	HS 50.35	90.6
9.600	2.49	7.11	2.49	7.11	HS 49.88	89.8
9.700	2.89	5.51	2.89	5.51	HS 57.74	103.9
9.800	4.41	4.38	4.41	4.38	HS 87.64	157.7
9.900	12.94	3.38	12.94	3.38	HS 67.55	121.6
10.000	17.36	2.04	17.36	2.04	HS 40.88	73.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	17.36	2.04	17.36	2.04	HS 40.88	73.6
10.100	13.18	4.52	13.18	4.52	HS 90.32	162.6
10.200	4.68	5.95	4.68	5.95	HS 93.57	168.4
10.300	2.87	7.12	2.87	7.12	HS 57.36	103.2
10.400	2.39	8.57	2.39	8.57	HS 47.85	86.1
10.500	2.22	10.47	2.22	10.47	HS 44.42	80.0
10.600	2.08	13.17	2.08	13.17	HS 41.60	74.9
10.700	2.10	17.45	2.10	17.45	HS 41.99	75.6
10.800	2.53	25.72	2.53	25.72	HS 50.58	91.0
10.900	4.26	49.89	4.26	49.89	HS 85.18	153.3
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	44.64 R	0.00	34.34	0.00
1.200	2.8	23.1	74.91 R	0.00	57.62	0.00
1.300	3.5	28.9	91.71 R	0.00	70.54	0.00
1.400	3.7	30.8	96.32 R	0.00	74.09	0.00
1.500	3.5	28.9	92.20 L	0.00	70.92	0.00
1.600	2.8	22.8	86.60 L	0.00	66.61	0.00
1.700	1.7	12.9	70.45 L	0.00	54.19	0.00
1.800	0.1	-0.9	45.75 L	0.00	35.19	0.00
1.900	-2.0	-18.5	-40.83 R	0.00	-31.41	0.00
2.000	-4.5	-40.0	-49.96 L	0.00	-38.43	0.00
2.000	-4.5	-40.0	-49.96 L	0.00	-38.43	0.00
2.100	-2.6	-21.5	-43.62 L	0.00	-33.56	0.00
2.200	-1.0	-6.9	42.08 R	0.00	32.37	0.00
2.300	0.1	3.9	62.30 R	0.00	47.93	0.00
2.400	0.8	10.8	73.40 R	0.00	56.46	0.00
2.500	1.2	13.9	74.76 R	0.00	57.51	0.00
2.600	1.1	12.8	73.61 L	0.00	56.63	0.00
2.700	0.7	7.8	62.78 L	0.00	48.29	0.00
2.800	-0.1	-0.9	42.73 L	0.00	32.87	0.00
2.900	-1.3	-13.5	-38.85 R	0.00	-29.89	0.00
3.000	-2.9	-30.0	-44.52 R	0.00	-34.25	0.00
3.000	-2.9	-30.0	-44.52 R	0.00	-34.25	0.00
3.100	-1.2	-12.8	-38.64 L	0.00	-29.72	0.00
3.200	0.1	0.5	42.67 R	0.00	32.83	0.00
3.300	1.0	10.0	62.83 R	0.00	48.33	0.00
3.400	1.6	15.7	73.79 R	0.00	56.76	0.00
3.500	1.7	17.5	75.01 R	0.00	57.70	0.00
3.600	1.5	15.2	73.80 L	0.00	56.77	0.00
3.700	0.9	9.0	62.86 L	0.00	48.35	0.00
3.800	-0.1	-1.1	42.72 L	0.00	32.86	0.00
3.900	-1.5	-15.0	-38.82 R	0.00	-29.86	0.00
4.000	-3.3	-32.7	-44.46 R	0.00	-34.20	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-44.46 R 0.00	-34.20 0.00
4.100	-1.6	-15.2	-38.81 L 0.00	-29.85 0.00
4.200	-0.2	-1.5	42.72 R 0.00	32.86 0.00
4.300	0.8	8.4	62.86 R 0.00	48.36 0.00
4.400	1.4	14.4	73.82 R 0.00	56.78 0.00
4.500	1.6	16.5	75.03 R 0.00	57.71 0.00
4.600	1.4	14.5	73.82 L 0.00	56.78 0.00
4.700	0.8	8.7	62.87 L 0.00	48.36 0.00
4.800	-0.1	-1.0	42.72 L 0.00	32.86 0.00
4.900	-1.5	-14.6	-38.82 R 0.00	-29.86 0.00
5.000	-3.2	-32.0	-44.46 R 0.00	-34.20 0.00
5.000	-3.2	-32.0	-44.46 R 0.00	-34.20 0.00
5.100	-1.5	-14.5	-38.82 L 0.00	-29.86 0.00
5.200	-0.1	-0.9	42.72 R 0.00	32.86 0.00
5.300	0.9	8.8	62.87 R 0.00	48.36 0.00
5.400	1.4	14.7	73.82 R 0.00	56.78 0.00
5.500	1.6	16.8	75.03 L 0.00	57.71 0.00
5.600	1.4	14.7	73.82 L 0.00	56.78 0.00
5.700	0.8	8.7	62.87 L 0.00	48.36 0.00
5.800	-0.1	-1.1	42.72 L 0.00	32.86 0.00
5.900	-1.5	-14.7	-38.82 R 0.00	-29.86 0.00
6.000	-3.3	-32.2	-44.46 L 0.00	-34.20 0.00
6.000	-3.3	-32.2	-44.46 L 0.00	-34.20 0.00
6.100	-1.5	-14.7	-38.82 L 0.00	-29.86 0.00
6.200	-0.1	-1.1	42.72 R 0.00	32.86 0.00
6.300	0.8	8.7	62.87 R 0.00	48.36 0.00
6.400	1.4	14.7	73.82 R 0.00	56.78 0.00
6.500	1.6	16.8	75.03 L 0.00	57.71 0.00
6.600	1.4	14.7	73.82 L 0.00	56.78 0.00
6.700	0.9	8.8	62.87 L 0.00	48.36 0.00
6.800	-0.1	-0.9	42.72 L 0.00	32.86 0.00
6.900	-1.5	-14.5	-38.82 R 0.00	-29.86 0.00
7.000	-3.2	-32.0	-44.46 L 0.00	-34.20 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-32.0	-44.46 L	0.00
7.100	-1.5	-14.6	-38.82 L	0.00
7.200	-0.1	-1.0	42.72 R	0.00
7.300	0.8	8.7	62.87 R	0.00
7.400	1.4	14.5	73.82 R	0.00
7.500	1.6	16.5	75.03 L	0.00
7.600	1.4	14.4	73.82 L	0.00
7.700	0.8	8.4	62.86 L	0.00
7.800	-0.2	-1.5	42.72 L	0.00
7.900	-1.6	-15.2	-38.81 R	0.00
8.000	-3.3	-32.7	-44.46 L	0.00
8.000	-3.3	-32.7	-44.46 L	0.00
8.100	-1.5	-15.0	-38.82 L	0.00
8.200	-0.1	-1.1	42.72 R	0.00
8.300	0.9	9.0	62.86 R	0.00
8.400	1.5	15.2	73.80 R	0.00
8.500	1.7	17.5	75.01 L	0.00
8.600	1.6	15.7	73.79 L	0.00
8.700	1.0	10.0	62.83 L	0.00
8.800	0.1	0.5	42.67 L	0.00
8.900	-1.2	-12.8	-38.64 R	0.00
9.000	-2.9	-30.0	-44.52 L	0.00
9.000	-2.9	-30.0	-44.52 L	0.00
9.100	-1.3	-13.5	-38.85 L	0.00
9.200	-0.1	-0.9	42.73 R	0.00
9.300	0.7	7.8	62.78 R	0.00
9.400	1.1	12.8	73.61 R	0.00
9.500	1.2	13.9	74.76 L	0.00
9.600	0.8	10.8	73.40 L	0.00
9.700	0.1	3.9	62.30 L	0.00
9.800	-1.0	-6.9	42.08 L	0.00
9.900	-2.6	-21.5	-43.62 R	0.00
10.000	-4.5	-40.0	-49.96 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-49.96	R 0.00	-38.43	0.00
10.100	-2.0	-18.5	-40.83	L 0.00	-31.41	0.00
10.200	0.1	-0.9	45.75	R 0.00	35.19	0.00
10.300	1.7	12.9	70.45	R 0.00	54.19	0.00
10.400	2.8	22.8	86.60	R 0.00	66.61	0.00
10.500	3.5	28.9	92.20	R 0.00	70.92	0.00
10.600	3.7	30.8	96.32	L 0.00	74.09	0.00
10.700	3.5	28.9	91.71	L 0.00	70.54	0.00
10.800	2.8	23.1	74.91	L 0.00	57.62	0.00
10.900	1.6	13.5	44.64	L 0.00	34.34	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

2F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
6	7.100	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5	7.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
1	7.300	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
6	7.400	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
8	7.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4	7.600	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
8	7.700	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
0	7.800	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
9	7.900	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
6	8.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
6	8.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
1	8.100	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
4	8.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5	8.300	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
3	8.400	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
9	8.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
9	8.600	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
7	8.700	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
3	8.800	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
6	8.900	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	7.72	73.73	6.82	82.61	0.00
1.200	4.46	38.05	3.92	42.49	0.00
1.300	3.57	25.84	3.13	28.80	0.00
1.400	3.38	19.50	2.96	21.72	0.00
1.500	3.55	15.51	3.11	17.28	0.00
1.600	3.86	12.68	3.39	14.15	0.00
1.700	4.90	10.52	4.33	11.78	0.00
1.800	7.88	8.78	7.00	9.89	0.00
1.900	25.55	7.32	22.85	8.31	0.00
2.000	33.24	5.50	29.93	6.31	0.00
2.000	28.39	4.49	25.76	5.13	0.00
2.100	22.54	5.61	20.32	6.34	0.00
2.200	7.33	6.99	6.57	7.85	0.00
2.300	4.76	8.81	4.25	9.84	0.00
2.400	3.94	11.38	3.50	12.68	0.00
2.500	3.82	15.51	3.39	17.26	0.00
2.600	3.89	12.93	3.46	14.40	0.00
2.700	4.65	10.07	4.14	11.24	0.00
2.800	7.06	8.06	6.31	9.03	0.00
2.900	20.93	6.53	18.81	7.36	0.00
3.000	24.92	5.30	22.53	6.01	0.00
3.000	24.92	5.30	22.53	6.01	0.00
3.100	21.03	6.59	18.89	7.42	0.00
3.200	7.03	8.15	6.28	9.12	0.00
3.300	4.61	10.20	4.10	11.37	0.00
3.400	3.84	13.11	3.41	14.58	0.00
3.500	3.75	17.70	3.33	19.67	0.00
3.600	3.85	13.02	3.41	14.49	0.00
3.700	4.63	10.11	4.12	11.27	0.00
3.800	7.07	8.06	6.32	9.02	0.00
3.900	21.12	6.49	18.99	7.32	0.00
4.000	28.26	5.23	25.57	5.95	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	28.26	5.23	25.57	5.95	0.00	78.5
4.100	21.15	6.49	19.02	7.32	0.00	97.4
4.200	7.08	8.05	6.33	9.01	0.00	94.9
4.300	4.64	10.09	4.13	11.25	0.00	61.9
4.400	3.86	12.99	3.43	14.45	0.00	51.4
4.500	3.77	17.62	3.34	19.59	0.00	50.1
4.600	3.86	12.99	3.42	14.45	0.00	51.4
4.700	4.63	10.10	4.12	11.26	0.00	61.8
4.800	7.07	8.06	6.32	9.02	0.00	94.7
4.900	21.10	6.51	18.97	7.33	0.00	97.6
5.000	28.19	5.25	25.51	5.97	0.00	78.8
5.000	28.19	5.25	25.51	5.97	0.00	78.8
5.100	21.10	6.51	18.97	7.33	0.00	97.6
5.200	7.06	8.06	6.31	9.03	0.00	94.7
5.300	4.63	10.10	4.12	11.27	0.00	61.8
5.400	3.85	13.00	3.42	14.46	0.00	51.3
5.500	3.76	17.64	3.34	19.61	0.00	50.0
5.600	3.86	13.00	3.42	14.46	0.00	51.3
5.700	4.63	10.10	4.12	11.26	0.00	61.8
5.800	7.07	8.06	6.32	9.02	0.00	94.8
5.900	21.11	6.50	18.98	7.33	0.00	97.5
6.000	28.22	5.25	25.53	5.97	0.00	78.7
6.000	28.22	5.25	25.53	5.97	0.00	78.7
6.100	21.11	6.50	18.98	7.33	0.00	97.5
6.200	7.07	8.06	6.32	9.02	0.00	94.8
6.300	4.63	10.10	4.12	11.26	0.00	61.8
6.400	3.86	13.00	3.42	14.46	0.00	51.3
6.500	3.76	17.64	3.34	19.61	0.00	50.0
6.600	3.85	13.00	3.42	14.46	0.00	51.3
6.700	4.63	10.10	4.12	11.27	0.00	61.8
6.800	7.06	8.06	6.31	9.03	0.00	94.7
6.900	21.10	6.51	18.97	7.33	0.00	97.6
7.000	28.19	5.25	25.51	5.97	0.00	78.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	28.19	5.25	25.51	5.97	0.00	78.8
7.100	21.10	6.51	18.97	7.33	0.00	97.6
7.200	7.07	8.06	6.32	9.02	0.00	94.7
7.300	4.63	10.10	4.12	11.26	0.00	61.8
7.400	3.86	12.99	3.42	14.45	0.00	51.4
7.500	3.77	17.62	3.34	19.59	0.00	50.1
7.600	3.86	12.99	3.43	14.45	0.00	51.4
7.700	4.64	10.09	4.13	11.25	0.00	61.9
7.800	7.08	8.05	6.33	9.01	0.00	94.9
7.900	21.15	6.49	19.02	7.32	0.00	97.4
8.000	28.26	5.23	25.57	5.95	0.00	78.5
8.000	28.26	5.23	25.57	5.95	0.00	78.5
8.100	21.12	6.49	18.99	7.32	0.00	97.4
8.200	7.07	8.06	6.32	9.02	0.00	94.8
8.300	4.63	10.11	4.12	11.27	0.00	61.8
8.400	3.85	13.02	3.41	14.48	0.00	51.2
8.500	3.75	17.70	3.33	19.67	0.00	49.9
8.600	3.84	13.11	3.41	14.58	0.00	51.1
8.700	4.61	10.20	4.10	11.37	0.00	61.5
8.800	7.03	8.15	6.28	9.12	0.00	94.2
8.900	21.03	6.59	18.89	7.42	0.00	98.9
9.000	24.92	5.30	22.53	6.01	0.00	79.4
9.000	24.92	5.30	22.53	6.01	0.00	79.4
9.100	20.93	6.53	18.81	7.36	0.00	98.0
9.200	7.06	8.06	6.31	9.03	0.00	94.7
9.300	4.65	10.07	4.14	11.24	0.00	62.1
9.400	3.89	12.93	3.46	14.40	0.00	51.9
9.500	3.82	15.51	3.39	17.26	0.00	50.9
9.600	3.94	11.38	3.50	12.68	0.00	52.5
9.700	4.76	8.81	4.25	9.84	0.00	63.7
9.800	7.33	6.99	6.57	7.85	0.00	98.6
9.900	22.54	5.61	20.32	6.34	0.00	84.1
10.000	28.39	4.49	25.76	5.13	0.00	67.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating		Factor	bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend		+bend	-bend		
10.000	33.24	4.49		25.76	6.31	0.00	67.3
10.100	25.55	7.32		22.84	8.31	0.00	109.8
10.200	7.88	8.78		7.00	9.89	0.00	105.0
10.300	4.90	10.52		4.33	11.78	0.00	64.9
10.400	3.86	12.68		3.39	14.15	0.00	50.9
10.500	3.55	15.51		3.11	17.28	0.00	46.7
10.600	3.38	19.50		2.96	21.72	0.00	44.4
10.700	3.57	25.84		3.13	28.80	0.00	47.0
10.800	4.46	38.05		3.92	42.49	0.00	58.8
10.900	7.72	73.73		6.82	82.61	0.00	102.3
11.000	999.00	999.00		999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	20.82	0.00	16.01	0.00
1.100	0.6	4.6	17.86	0.00	13.74	0.00
1.200	0.4	3.1	14.98	0.00	11.52	0.00
1.300	0.2	1.5	12.23	0.00	9.41	0.00
1.400	0.0	0.0	9.63	0.00	7.41	0.00
1.500	-0.2	-1.6	-10.81	0.00	-8.32	0.00
1.600	-0.4	-3.2	-13.52	0.00	-10.40	0.00
1.700	-0.5	-4.7	-16.05	0.00	-12.35	0.00
1.800	-0.7	-6.3	-18.38	0.00	-14.14	0.00
1.900	-0.9	-7.8	-20.47	0.00	-15.74	0.00
2.000	-1.1	-9.4	-22.27	0.00	-17.13	0.00
2.000	0.8	-9.4	21.85	0.00	16.81	0.00
2.100	0.7	6.6	19.49	0.00	14.99	0.00
2.200	0.5	5.1	17.02	0.00	13.09	0.00
2.300	0.4	3.5	14.36	0.00	11.04	0.00
2.400	0.2	2.0	11.62	0.00	8.94	0.00
2.500	0.1	0.5	8.91	0.00	6.86	0.00
2.600	-0.1	-1.2	-11.53	0.00	-8.87	0.00
2.700	-0.2	-2.7	-14.27	0.00	-10.98	0.00
2.800	-0.4	-4.3	-16.94	0.00	-13.03	0.00
2.900	-0.6	-5.8	-19.43	0.00	-14.95	0.00
3.000	-0.7	-7.3	-21.63	0.00	-16.64	0.00
3.000	0.8	7.7	21.64	0.00	16.65	0.00
3.100	0.6	6.1	19.45	0.00	14.97	0.00
3.200	0.5	4.6	16.97	0.00	13.06	0.00
3.300	0.3	3.0	14.31	0.00	11.01	0.00
3.400	0.1	1.5	11.58	0.00	8.91	0.00
3.500	0.0	-0.1	8.88	0.00	6.83	0.00
3.600	-0.2	-1.7	-11.57	0.00	-8.90	0.00
3.700	-0.3	-3.2	-14.31	0.00	-11.01	0.00
3.800	-0.5	-4.8	-16.97	0.00	-13.05	0.00
3.900	-0.6	-6.3	-19.45	0.00	-14.96	0.00
4.000	-0.8	-7.9	-21.64	0.00	-16.65	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	21.64	0.00	16.65	0.00
4.100	0.6	6.2	19.45	0.00	14.96	0.00
4.200	0.5	4.7	16.97	0.00	13.06	0.00
4.300	0.3	3.2	14.31	0.00	11.01	0.00
4.400	0.2	1.6	11.58	0.00	8.90	0.00
4.500	0.0	0.1	8.88	0.00	6.83	0.00
4.600	-0.2	-1.6	-11.57	0.00	-8.90	0.00
4.700	-0.3	-3.1	-14.31	0.00	-11.01	0.00
4.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
4.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
5.000	-0.8	-7.7	-21.64	0.00	-16.65	0.00
5.000	0.8	7.7	21.64	0.00	16.65	0.00
5.100	0.6	6.2	19.45	0.00	14.96	0.00
5.200	0.5	4.7	16.97	0.00	13.06	0.00
5.300	0.3	3.1	14.31	0.00	11.01	0.00
5.400	0.2	1.6	11.58	0.00	8.90	0.00
5.500	0.0	0.1	8.88	0.00	6.83	0.00
5.600	-0.2	-1.6	-11.58	0.00	-8.90	0.00
5.700	-0.3	-3.2	-14.31	0.00	-11.01	0.00
5.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
5.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
6.000	-0.8	-7.8	-21.64	0.00	-16.65	0.00
6.000	0.8	7.8	21.64	0.00	16.65	0.00
6.100	0.6	6.2	19.45	0.00	14.96	0.00
6.200	0.5	4.7	16.97	0.00	13.06	0.00
6.300	0.3	3.2	14.31	0.00	11.01	0.00
6.400	0.2	1.6	11.58	0.00	8.90	0.00
6.500	0.0	0.1	8.88	0.00	6.83	0.00
6.600	-0.2	-1.6	-11.58	0.00	-8.90	0.00
6.700	-0.3	-3.1	-14.31	0.00	-11.01	0.00
6.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
6.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
7.000	-0.8	-7.7	-21.64	0.00	-16.65	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	21.64	0.00	16.65	0.00
7.100	0.6	6.2	19.45	0.00	14.96	0.00
7.200	0.5	4.7	16.97	0.00	13.06	0.00
7.300	0.3	3.1	14.31	0.00	11.01	0.00
7.400	0.2	1.6	11.57	0.00	8.90	0.00
7.500	0.0	0.1	8.88	0.00	6.83	0.00
7.600	-0.2	-1.6	-11.58	0.00	-8.90	0.00
7.700	-0.3	-3.2	-14.31	0.00	-11.01	0.00
7.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
7.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
8.000	-0.8	-7.8	-21.64	0.00	-16.65	0.00
8.000	0.8	7.9	21.64	0.00	16.65	0.00
8.100	0.6	6.3	19.45	0.00	14.96	0.00
8.200	0.5	4.8	16.97	0.00	13.05	0.00
8.300	0.3	3.2	14.31	0.00	11.01	0.00
8.400	0.2	1.7	11.57	0.00	8.90	0.00
8.500	0.0	0.2	-8.88	0.00	6.83	0.00
8.600	-0.1	-1.5	-11.58	0.00	-8.91	0.00
8.700	-0.3	-3.0	-14.31	0.00	-11.01	0.00
8.800	-0.5	-4.6	-16.97	0.00	-13.06	0.00
8.900	-0.6	-6.1	-19.45	0.00	-14.97	0.00
9.000	-0.8	-7.7	-21.64	0.00	-16.65	0.00
9.000	0.7	-7.7	21.63	0.00	16.64	0.00
9.100	0.6	5.8	19.43	0.00	14.95	0.00
9.200	0.4	4.3	16.94	0.00	13.03	0.00
9.300	0.2	2.7	14.27	0.00	10.98	0.00
9.400	0.1	1.2	11.53	0.00	8.87	0.00
9.500	-0.1	-0.4	-8.91	0.00	-6.86	0.00
9.600	-0.2	-2.0	-11.62	0.00	-8.94	0.00
9.700	-0.4	-3.5	-14.36	0.00	-11.04	0.00
9.800	-0.5	-5.1	-17.02	0.00	-13.09	0.00
9.900	-0.7	-6.6	-19.49	0.00	-14.99	0.00
10.000	-0.8	-8.1	-21.66	0.00	-16.66	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	22.27	0.00	17.13	0.00
10.100	0.9	7.8	20.47	0.00	15.74	0.00
10.200	0.7	6.3	18.38	0.00	14.14	0.00
10.300	0.5	4.7	16.05	0.00	12.35	0.00
10.400	0.4	3.2	13.52	0.00	10.40	0.00
10.500	0.2	1.7	10.81	0.00	8.32	0.00
10.600	0.0	0.0	-9.63	0.00	-7.41	0.00
10.700	-0.2	-1.5	-12.23	0.00	-9.41	0.00
10.800	-0.4	-3.1	-14.98	0.00	-11.52	0.00
10.900	-0.6	-4.6	-17.86	0.00	-13.74	0.00
11.000	-0.7	-6.2	-20.82	0.00	-16.01	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	76.74	6.03	0.00	90.4
1.100	66.95	7.12	0.00	106.9
1.200	33.25	8.61	0.00	129.1
1.300	22.11	10.69	0.00	160.3
1.400	16.60	13.74	0.00	206.1
1.500	12.08	18.55	0.00	181.2
1.600	9.53	26.87	0.00	142.9
1.700	7.92	43.52	0.00	118.7
1.800	6.82	89.07	0.00	102.3
1.900	6.04	290.18	0.00	90.6
2.000	5.47	293.72	0.00	82.1
2.000	5.47	4.91	0.00	73.7
2.100	54.55	5.60	0.00	84.0
2.200	53.80	6.51	0.00	97.6
2.300	30.24	7.83	0.00	117.5
2.400	18.86	9.82	0.00	147.4
2.500	13.23	13.00	0.00	194.9
2.600	9.98	18.52	0.00	149.7
2.700	7.95	29.58	0.00	119.2
2.800	6.59	47.78	0.00	98.9
2.900	5.66	48.44	0.00	84.9
3.000	5.01	46.21	0.00	75.1
3.000	5.01	4.99	0.00	74.8
3.100	54.57	5.64	0.00	84.5
3.200	53.82	6.56	0.00	98.4
3.300	29.82	7.90	0.00	118.5
3.400	18.67	9.91	0.00	148.6
3.500	13.11	13.11	0.00	196.6
3.600	9.89	18.69	0.00	148.4
3.700	7.88	29.86	0.00	118.3
3.800	6.55	54.20	0.00	98.2
3.900	5.62	54.96	0.00	84.4
4.000	4.98	52.21	0.00	74.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.98	4.98	0.00	74.7
4.100	54.66	5.63	0.00	84.4
4.200	53.91	6.55	0.00	98.3
4.300	29.85	7.89	0.00	118.3
4.400	18.69	9.90	0.00	148.5
4.500	13.12	13.10	0.00	196.5
4.600	9.90	18.67	0.00	148.6
4.700	7.89	29.83	0.00	118.4
4.800	6.56	53.90	0.00	98.3
4.900	5.63	54.65	0.00	84.5
5.000	4.98	51.97	0.00	74.8
5.000	4.98	4.98	0.00	74.8
5.100	54.64	5.63	0.00	84.5
5.200	53.89	6.55	0.00	98.3
5.300	29.84	7.89	0.00	118.4
5.400	18.68	9.90	0.00	148.5
5.500	13.11	13.10	0.00	196.6
5.600	9.90	18.68	0.00	148.5
5.700	7.89	29.84	0.00	118.4
5.800	6.55	53.90	0.00	98.3
5.900	5.63	54.65	0.00	84.5
6.000	4.98	51.96	0.00	74.7
6.000	4.98	4.98	0.00	74.7
6.100	54.65	5.63	0.00	84.5
6.200	53.90	6.55	0.00	98.3
6.300	29.84	7.89	0.00	118.4
6.400	18.68	9.90	0.00	148.5
6.500	13.12	13.10	0.00	196.5
6.600	9.90	18.68	0.00	148.5
6.700	7.89	29.84	0.00	118.4
6.800	6.55	53.89	0.00	98.3
6.900	5.63	54.64	0.00	84.5
7.000	4.98	51.96	0.00	74.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.98	4.98	0.00	74.8
7.100	54.65	5.63	0.00	84.5
7.200	53.90	6.56	0.00	98.3
7.300	29.83	7.89	0.00	118.4
7.400	18.67	9.90	0.00	148.6
7.500	13.11	13.11	0.00	196.6
7.600	9.90	18.69	0.00	148.5
7.700	7.89	29.85	0.00	118.3
7.800	6.55	53.91	0.00	98.3
7.900	5.63	54.66	0.00	84.4
8.000	4.98	51.96	0.00	74.7
8.000	4.98	4.98	0.00	74.7
8.100	54.96	5.62	0.00	84.4
8.200	54.20	6.55	0.00	98.2
8.300	29.86	7.88	0.00	118.3
8.400	18.69	9.89	0.00	148.4
8.500	13.13	13.09	0.00	196.4
8.600	9.91	18.67	0.00	148.6
8.700	7.90	29.82	0.00	118.5
8.800	6.56	53.82	0.00	98.4
8.900	5.64	54.57	0.00	84.5
9.000	4.99	51.93	0.00	74.8
9.000	4.99	5.01	0.00	74.8
9.100	48.44	5.66	0.00	84.9
9.200	47.78	6.59	0.00	98.9
9.300	29.58	7.95	0.00	119.2
9.400	18.52	9.98	0.00	149.7
9.500	13.01	13.22	0.00	195.2
9.600	9.82	18.86	0.00	147.4
9.700	7.83	30.24	0.00	117.5
9.800	6.51	53.80	0.00	97.6
9.900	5.60	54.55	0.00	84.0
10.000	4.96	51.70	0.00	74.4

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	4.96	5.47	0.00	74.4
10.100	290.18	6.04	0.00	90.6
10.200	89.07	6.82	0.00	102.3
10.300	43.52	7.92	0.00	118.7
10.400	26.87	9.53	0.00	142.9
10.500	18.56	12.07	0.00	181.1
10.600	13.74	16.60	0.00	206.1
10.700	10.69	22.11	0.00	160.3
10.800	8.61	33.25	0.00	129.1
10.900	7.12	66.95	0.00	106.9
11.000	6.03	999.00	0.00	90.4

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
7.100 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
7.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
7.300 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
7.400 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
7.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
7.600 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
7.700 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
7.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
7.900 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.100 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
8.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
8.300 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
8.400 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
8.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
8.600 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
8.700 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
8.800 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
8.900 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	7.10	76.55	7.10	76.55	0.00	106.6
1.200	4.09	39.46	4.09	39.46	0.00	61.3
1.300	3.27	26.78	3.27	26.78	0.00	49.1
1.400	3.09	20.21	3.09	20.21	0.00	46.4
1.500	3.25	16.07	3.25	16.07	0.00	48.8
1.600	3.54	13.15	3.54	13.15	0.00	53.1
1.700	4.51	10.92	4.51	10.92	0.00	67.6
1.800	7.28	9.13	7.28	9.13	0.00	109.2
1.900	23.70	7.64	23.70	7.64	0.00	114.5
2.000	30.98	5.76	30.98	5.76	0.00	86.4
2.000	26.64	4.70	26.64	4.70	0.00	70.5
2.100	21.06	5.85	21.06	5.85	0.00	87.8
2.200	6.83	7.28	6.83	7.28	0.00	102.4
2.300	4.42	9.15	4.42	9.15	0.00	66.3
2.400	3.65	11.82	3.65	11.82	0.00	54.7
2.500	3.54	16.10	3.54	16.10	0.00	53.0
2.600	3.61	13.42	3.61	13.42	0.00	54.1
2.700	4.31	10.46	4.31	10.46	0.00	64.7
2.800	6.56	8.39	6.56	8.39	0.00	98.5
2.900	19.52	6.81	19.52	6.81	0.00	102.1
3.000	23.33	5.54	23.33	5.54	0.00	83.0
3.000	23.33	5.54	23.33	5.54	0.00	83.0
3.100	19.61	6.87	19.61	6.87	0.00	103.0
3.200	6.53	8.48	6.53	8.48	0.00	98.0
3.300	4.27	10.60	4.27	10.60	0.00	64.1
3.400	3.55	13.61	3.55	13.61	0.00	53.3
3.500	3.47	18.36	3.47	18.36	0.00	52.0
3.600	3.56	13.52	3.56	13.52	0.00	53.4
3.700	4.29	10.50	4.29	10.50	0.00	64.3
3.800	6.57	8.38	6.57	8.38	0.00	98.5
3.900	19.71	6.77	19.71	6.77	0.00	101.6
4.000	26.48	5.47	26.48	5.47	0.00	82.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	26.48	5.47	26.48	5.47	0.00	82.1
4.100	19.73	6.77	19.73	6.77	0.00	101.5
4.200	6.58	8.37	6.58	8.37	0.00	98.7
4.300	4.30	10.48	4.30	10.48	0.00	64.5
4.400	3.57	13.48	3.57	13.48	0.00	53.6
4.500	3.48	18.28	3.48	18.28	0.00	52.2
4.600	3.57	13.48	3.57	13.48	0.00	53.5
4.700	4.29	10.49	4.29	10.49	0.00	64.4
4.800	6.57	8.39	6.57	8.39	0.00	98.5
4.900	19.68	6.78	19.68	6.78	0.00	101.8
5.000	26.41	5.49	26.41	5.49	0.00	82.4
5.000	26.41	5.49	26.41	5.49	0.00	82.4
5.100	19.68	6.79	19.68	6.79	0.00	101.8
5.200	6.57	8.39	6.57	8.39	0.00	98.5
5.300	4.29	10.49	4.29	10.49	0.00	64.4
5.400	3.57	13.49	3.57	13.49	0.00	53.5
5.500	3.48	18.30	3.48	18.30	0.00	52.2
5.600	3.57	13.49	3.57	13.49	0.00	53.5
5.700	4.29	10.49	4.29	10.49	0.00	64.4
5.800	6.57	8.38	6.57	8.38	0.00	98.5
5.900	19.70	6.78	19.70	6.78	0.00	101.7
6.000	26.43	5.49	26.43	5.49	0.00	82.3
6.000	26.43	5.49	26.43	5.49	0.00	82.3
6.100	19.70	6.78	19.70	6.78	0.00	101.7
6.200	6.57	8.38	6.57	8.38	0.00	98.5
6.300	4.29	10.49	4.29	10.49	0.00	64.4
6.400	3.57	13.49	3.57	13.49	0.00	53.5
6.500	3.48	18.30	3.48	18.30	0.00	52.2
6.600	3.57	13.49	3.57	13.49	0.00	53.5
6.700	4.29	10.49	4.29	10.49	0.00	64.4
6.800	6.57	8.39	6.57	8.39	0.00	98.5
6.900	19.68	6.79	19.68	6.79	0.00	101.8
7.000	26.41	5.49	26.41	5.49	0.00	82.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	26.41	5.49	26.41	5.49	0.00	82.4
7.100	19.68	6.78	19.68	6.78	0.00	101.8
7.200	6.57	8.39	6.57	8.39	0.00	98.5
7.300	4.29	10.49	4.29	10.49	0.00	64.4
7.400	3.57	13.48	3.57	13.48	0.00	53.5
7.500	3.48	18.28	3.48	18.28	0.00	52.2
7.600	3.57	13.48	3.57	13.48	0.00	53.6
7.700	4.30	10.48	4.30	10.48	0.00	64.5
7.800	6.58	8.37	6.58	8.37	0.00	98.7
7.900	19.73	6.77	19.73	6.77	0.00	101.5
8.000	26.48	5.47	26.48	5.47	0.00	82.1
8.000	26.48	5.47	26.48	5.47	0.00	82.1
8.100	19.71	6.77	19.71	6.77	0.00	101.6
8.200	6.57	8.38	6.57	8.38	0.00	98.5
8.300	4.29	10.50	4.29	10.50	0.00	64.3
8.400	3.56	13.52	3.56	13.52	0.00	53.4
8.500	3.47	18.36	3.47	18.36	0.00	52.0
8.600	3.55	13.61	3.55	13.61	0.00	53.3
8.700	4.27	10.60	4.27	10.60	0.00	64.1
8.800	6.53	8.48	6.53	8.48	0.00	98.0
8.900	19.61	6.87	19.61	6.87	0.00	103.0
9.000	23.33	5.54	23.33	5.54	0.00	83.0
9.000	23.33	5.54	23.33	5.54	0.00	83.0
9.100	19.52	6.81	19.52	6.81	0.00	102.1
9.200	6.56	8.39	6.56	8.39	0.00	98.5
9.300	4.31	10.46	4.31	10.46	0.00	64.7
9.400	3.61	13.42	3.61	13.42	0.00	54.1
9.500	3.54	16.10	3.54	16.10	0.00	53.0
9.600	3.65	11.82	3.65	11.82	0.00	54.7
9.700	4.42	9.15	4.42	9.15	0.00	66.3
9.800	6.83	7.28	6.83	7.28	0.00	102.4
9.900	21.06	5.85	21.06	5.85	0.00	87.8
10.000	26.64	4.70	26.64	4.70	0.00	70.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	26.64	4.70	26.64	4.70	0.00	70.5
10.100	23.70	7.64	23.70	7.64	0.00	114.5
10.200	7.28	9.13	7.28	9.13	0.00	109.2
10.300	4.51	10.92	4.51	10.92	0.00	67.6
10.400	3.54	13.15	3.54	13.15	0.00	53.1
10.500	3.25	16.07	3.25	16.07	0.00	48.8
10.600	3.09	20.21	3.09	20.21	0.00	46.4
10.700	3.27	26.78	3.27	26.78	0.00	49.1
10.800	4.09	39.46	4.09	39.46	0.00	61.3
10.900	7.10	76.55	7.10	76.55	0.00	106.6
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	60.91 R	0.00	46.85	0.00
1.200	2.8	23.1	100.62 R	0.00	77.40	0.00
1.300	3.5	28.9	120.84 R	0.00	92.95	0.00
1.400	3.7	30.8	128.49 R	0.00	98.84	0.00
1.500	3.5	28.9	125.83 R	0.00	96.79	0.00
1.600	2.8	22.8	111.66 L	0.00	85.89	0.00
1.700	1.7	12.9	91.04 L	0.00	70.03	0.00
1.800	0.1	-0.9	56.69 L	0.00	43.60	0.00
1.900	-2.0	-18.5	-58.74 R	0.00	-45.18	0.00
2.000	-4.5	-40.0	-74.79 R	0.00	-57.53	0.00
2.000	-4.5	-40.0	-74.79 R	0.00	-57.53	0.00
2.100	-2.6	-21.5	-62.75 L	0.00	-48.27	0.00
2.200	-1.0	-6.9	-53.64 L	0.00	-41.26	0.00
2.300	0.1	3.9	79.09 R	0.00	60.84	0.00
2.400	0.8	10.8	93.85 R	0.00	72.19	0.00
2.500	1.2	13.9	99.90 L	0.00	76.84	0.00
2.600	1.1	12.8	94.23 L	0.00	72.48	0.00
2.700	0.7	7.8	79.76 L	0.00	61.35	0.00
2.800	-0.1	-0.9	52.12 L	0.00	40.09	0.00
2.900	-1.3	-13.5	-55.90 R	0.00	-43.00	0.00
3.000	-2.9	-30.0	-70.38 L	0.00	-54.14	0.00
3.000	-2.9	-30.0	-70.38 L	0.00	-54.14	0.00
3.100	-1.2	-12.8	-55.58 L	0.00	-42.76	0.00
3.200	0.1	0.5	52.04 R	0.00	40.03	0.00
3.300	1.0	10.0	79.83 R	0.00	61.41	0.00
3.400	1.6	15.7	94.45 R	0.00	72.65	0.00
3.500	1.7	17.5	100.30 L	0.00	77.16	0.00
3.600	1.5	15.2	94.48 L	0.00	72.67	0.00
3.700	0.9	9.0	79.88 L	0.00	61.45	0.00
3.800	-0.1	-1.1	52.11 L	0.00	40.08	0.00
3.900	-1.5	-15.0	-55.85 R	0.00	-42.96	0.00
4.000	-3.3	-32.7	-70.34 L	0.00	-54.11	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-70.34 L	0.00
4.100	-1.6	-15.2	-55.83 L	0.00
4.200	-0.2	-1.5	52.10 R	0.00
4.300	0.8	8.4	79.89 R	0.00
4.400	1.4	14.4	94.49 R	0.00
4.500	1.6	16.5	100.33 L	0.00
4.600	1.4	14.5	94.49 L	0.00
4.700	0.8	8.7	79.89 L	0.00
4.800	-0.1	-1.0	52.11 L	0.00
4.900	-1.5	-14.6	-55.85 R	0.00
5.000	-3.2	-32.0	-70.34 L	0.00
5.000	-3.2	-32.0	-70.34 L	0.00
5.100	-1.5	-14.5	-55.85 L	0.00
5.200	-0.1	-0.9	52.11 R	0.00
5.300	0.9	8.8	79.89 R	0.00
5.400	1.4	14.7	94.50 R	0.00
5.500	1.6	16.8	100.34 R	0.00
5.600	1.4	14.7	94.50 L	0.00
5.700	0.8	8.7	79.89 L	0.00
5.800	-0.1	-1.1	52.11 L	0.00
5.900	-1.5	-14.7	-55.85 R	0.00
6.000	-3.3	-32.2	-70.34 R	0.00
6.000	-3.3	-32.2	-70.34 R	0.00
6.100	-1.5	-14.7	-55.85 L	0.00
6.200	-0.1	-1.1	52.11 R	0.00
6.300	0.8	8.7	79.89 R	0.00
6.400	1.4	14.7	94.50 R	0.00
6.500	1.6	16.8	100.34 R	0.00
6.600	1.4	14.7	94.50 L	0.00
6.700	0.9	8.8	79.89 L	0.00
6.800	-0.1	-0.9	52.11 L	0.00
6.900	-1.5	-14.5	-55.85 R	0.00
7.000	-3.2	-32.0	-70.34 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-32.0	-70.34 R	0.00
7.100	-1.5	-14.6	-55.85 L	0.00
7.200	-0.1	-1.0	52.11 R	0.00
7.300	0.8	8.7	79.89 R	0.00
7.400	1.4	14.5	94.49 R	0.00
7.500	1.6	16.5	100.33 R	0.00
7.600	1.4	14.4	94.49 L	0.00
7.700	0.8	8.4	79.89 L	0.00
7.800	-0.2	-1.5	52.10 L	0.00
7.900	-1.6	-15.2	-55.83 R	0.00
8.000	-3.3	-32.7	-70.34 R	0.00
8.000	-3.3	-32.7	-70.34 R	0.00
8.100	-1.5	-15.0	-55.85 L	0.00
8.200	-0.1	-1.1	52.11 R	0.00
8.300	0.9	9.0	79.88 R	0.00
8.400	1.5	15.2	94.48 R	0.00
8.500	1.7	17.5	100.30 R	0.00
8.600	1.6	15.7	94.45 L	0.00
8.700	1.0	10.0	79.83 L	0.00
8.800	0.1	0.5	52.04 L	0.00
8.900	-1.2	-12.8	-55.58 R	0.00
9.000	-2.9	-30.0	-70.38 R	0.00
9.000	-2.9	-30.0	-70.38 R	0.00
9.100	-1.3	-13.5	-55.90 L	0.00
9.200	-0.1	-0.9	52.12 R	0.00
9.300	0.7	7.8	79.76 R	0.00
9.400	1.1	12.8	94.23 R	0.00
9.500	1.2	13.9	99.90 R	0.00
9.600	0.8	10.8	93.85 L	0.00
9.700	0.1	3.9	79.09 L	0.00
9.800	-1.0	-6.9	-53.64 R	0.00
9.900	-2.6	-21.5	-62.75 R	0.00
10.000	-4.5	-40.0	-74.79 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-74.79	L 0.00	-57.53	0.00
10.100	-2.0	-18.5	-58.74	L 0.00	-45.18	0.00
10.200	0.1	-0.9	56.69	R 0.00	43.61	0.00
10.300	1.7	12.9	91.04	R 0.00	70.03	0.00
10.400	2.8	22.8	111.66	R 0.00	85.89	0.00
10.500	3.5	28.9	125.83	L 0.00	96.79	0.00
10.600	3.7	30.8	128.49	L 0.00	98.84	0.00
10.700	3.5	28.9	120.84	L 0.00	92.95	0.00
10.800	2.8	23.1	100.62	L 0.00	77.40	0.00
10.900	1.6	13.5	60.91	L 0.00	46.85	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

3F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
9	4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
0	4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
8	4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4	4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
8	4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
6	4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
1	4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
5	4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
6	4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5	5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5	5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
6	5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
6	5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
3	5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
8	5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
0	5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
7	5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
2	5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
4	5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
4	5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

3F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.66	51.25	5.00	57.42	0.00	114.9
1.200	3.32	26.45	2.92	29.53	0.00	67.1
1.300	2.71	17.96	2.38	20.02	0.00	54.6
1.400	2.53	13.56	2.22	15.10	0.00	51.0
1.500	2.60	10.78	2.28	12.01	0.00	52.5
1.600	2.99	8.81	2.63	9.84	0.00	60.5
1.700	3.79	7.31	3.35	8.19	0.00	77.0
1.800	6.36	6.10	5.65	6.87	0.00	129.9
1.900	24.15	5.09	21.60	5.78	0.00	117.1
2.000	23.11	3.68	20.81	4.22	0.00	84.6
2.000	19.73	3.00	17.90	3.42	0.00	68.9
2.100	30.42	3.90	27.42	4.41	0.00	89.6
2.200	6.03	4.86	5.41	5.46	0.00	111.8
2.300	3.75	6.12	3.35	6.84	0.00	77.0
2.400	3.08	7.91	2.74	8.82	0.00	63.0
2.500	2.86	10.79	2.54	12.00	0.00	58.4
2.600	3.04	8.99	2.70	10.01	0.00	62.2
2.700	3.66	7.00	3.26	7.81	0.00	75.0
2.800	5.79	5.61	5.17	6.28	0.00	119.0
2.900	21.07	4.54	18.93	5.11	0.00	104.4
3.000	17.32	3.35	15.66	3.80	0.00	77.0
3.000	17.32	3.35	15.66	3.80	0.00	77.0
3.100	18.72	4.58	16.81	5.16	0.00	105.4
3.200	5.76	5.67	5.15	6.34	0.00	118.5
3.300	3.63	7.09	3.23	7.90	0.00	74.2
3.400	3.00	9.11	2.66	10.13	0.00	61.2
3.500	2.81	12.30	2.49	13.67	0.00	57.2
3.600	3.01	9.05	2.67	10.07	0.00	61.3
3.700	3.64	7.03	3.24	7.84	0.00	74.5
3.800	5.79	5.60	5.18	6.27	0.00	119.1
3.900	21.19	4.51	19.06	5.09	0.00	103.8
4.000	19.64	3.31	17.78	3.76	0.00	76.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	19.64	3.31	17.78	3.76	0.00	76.1
4.100	21.31	4.51	19.16	5.09	0.00	103.8
4.200	5.80	5.59	5.19	6.26	0.00	119.3
4.300	3.65	7.01	3.25	7.82	0.00	74.7
4.400	3.02	9.03	2.68	10.04	0.00	61.6
4.500	2.82	12.25	2.50	13.62	0.00	57.4
4.600	3.01	9.03	2.67	10.04	0.00	61.5
4.700	3.64	7.02	3.24	7.83	0.00	74.6
4.800	5.79	5.60	5.18	6.27	0.00	119.1
4.900	21.16	4.52	19.03	5.10	0.00	104.0
5.000	19.60	3.32	17.73	3.77	0.00	76.3
5.100	21.17	4.52	19.03	5.10	0.00	104.1
5.200	5.79	5.61	5.18	6.28	0.00	119.0
5.300	3.64	7.02	3.24	7.83	0.00	74.6
5.400	3.01	9.04	2.67	10.05	0.00	61.5
5.500	2.81	12.26	2.49	13.63	0.00	57.4
5.600	3.01	9.03	2.67	10.05	0.00	61.5
5.700	3.64	7.02	3.24	7.83	0.00	74.6
5.800	5.79	5.60	5.18	6.27	0.00	119.1
5.900	21.17	4.52	19.04	5.09	0.00	104.0
6.000	19.61	3.32	17.75	3.77	0.00	76.2
6.100	21.17	4.52	19.04	5.09	0.00	104.0
6.200	5.79	5.60	5.18	6.27	0.00	119.1
6.300	3.64	7.02	3.24	7.83	0.00	74.6
6.400	3.01	9.03	2.67	10.05	0.00	61.5
6.500	2.81	12.26	2.49	13.63	0.00	57.4
6.600	3.01	9.04	2.67	10.05	0.00	61.5
6.700	3.64	7.02	3.24	7.83	0.00	74.6
6.800	5.79	5.61	5.18	6.28	0.00	119.0
6.900	21.17	4.52	19.03	5.10	0.00	104.1
7.000	19.60	3.32	17.73	3.77	0.00	76.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
7.000	19.60	3.32	17.73	3.77	0.00	76.3
7.100	21.16	4.52	19.03	5.10	0.00	104.0
7.200	5.79	5.60	5.18	6.27	0.00	119.1
7.300	3.64	7.02	3.24	7.83	0.00	74.6
7.400	3.01	9.03	2.67	10.04	0.00	61.5
7.500	2.82	12.25	2.50	13.62	0.00	57.4
7.600	3.02	9.03	2.68	10.04	0.00	61.6
7.700	3.65	7.01	3.25	7.82	0.00	74.7
7.800	5.80	5.59	5.19	6.26	0.00	119.3
7.900	21.31	4.51	19.16	5.09	0.00	103.8
8.000	19.64	3.31	17.78	3.76	0.00	76.1
8.000	19.64	3.31	17.78	3.76	0.00	76.1
8.100	21.19	4.51	19.06	5.09	0.00	103.8
8.200	5.79	5.60	5.18	6.27	0.00	119.1
8.300	3.64	7.03	3.24	7.84	0.00	74.5
8.400	3.01	9.05	2.67	10.07	0.00	61.3
8.500	2.81	12.30	2.49	13.67	0.00	57.2
8.600	3.00	9.11	2.66	10.13	0.00	61.2
8.700	3.63	7.09	3.23	7.90	0.00	74.2
8.800	5.76	5.67	5.15	6.34	0.00	118.5
8.900	18.72	4.58	16.81	5.16	0.00	105.4
9.000	17.32	3.35	15.66	3.80	0.00	77.0
9.000	17.32	3.35	15.66	3.80	0.00	77.0
9.100	21.07	4.54	18.93	5.11	0.00	104.4
9.200	5.79	5.61	5.17	6.28	0.00	119.0
9.300	3.66	7.00	3.26	7.81	0.00	75.0
9.400	3.04	8.99	2.70	10.01	0.00	62.2
9.500	2.86	10.79	2.54	12.00	0.00	58.4
9.600	3.08	7.91	2.74	8.82	0.00	63.0
9.700	3.75	6.12	3.35	6.84	0.00	77.0
9.800	6.03	4.86	5.41	5.46	0.00	111.8
9.900	30.42	3.90	27.42	4.41	0.00	89.6
10.000	19.73	3.00	17.90	3.42	0.00	68.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating		Factor	Rating		Load
	top fiber +bend	fiber -bend		bottom fiber +bend	fiber -bend	
10.000	23.11	3.00		17.90	4.22	0.00 68.9
10.100	24.15	5.09		21.60	5.78	0.00 117.1
10.200	6.36	6.10		5.65	6.87	0.00 129.9
10.300	3.79	7.31		3.35	8.19	0.00 77.0
10.400	2.99	8.81		2.63	9.84	0.00 60.5
10.500	2.60	10.78		2.28	12.01	0.00 52.5
10.600	2.53	13.56		2.22	15.10	0.00 51.0
10.700	2.71	17.96		2.38	20.02	0.00 54.6
10.800	3.32	26.45		2.92	29.53	0.00 67.1
10.900	5.66	51.25		5.00	57.42	0.00 114.9
11.000	999.00	999.00		999.00	999.00	0.00 999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	28.77	0.00	22.13	0.00
1.100	0.6	4.6	24.36	0.00	18.74	0.00
1.200	0.4	3.1	20.12	0.00	15.48	0.00
1.300	0.2	1.5	16.11	0.00	12.39	0.00
1.400	0.0	0.0	12.38	0.00	9.53	0.00
1.500	-0.2	-1.6	-14.12	0.00	-10.86	0.00
1.600	-0.4	-3.2	-17.64	0.00	-13.57	0.00
1.700	-0.5	-4.7	-21.68	0.00	-16.68	0.00
1.800	-0.7	-6.3	-25.44	0.00	-19.57	0.00
1.900	-0.9	-7.8	-28.87	0.00	-22.21	0.00
2.000	-1.1	-9.4	-31.91	0.00	-24.55	0.00
2.000	0.8	-9.4	30.77	0.00	23.67	0.00
2.100	0.7	6.6	27.06	0.00	20.81	0.00
2.200	0.5	5.1	23.17	0.00	17.82	0.00
2.300	0.4	3.5	19.12	0.00	14.71	0.00
2.400	0.2	2.0	15.07	0.00	11.59	0.00
2.500	0.1	0.5	11.18	0.00	8.60	0.00
2.600	-0.1	-1.2	-14.95	0.00	-11.50	0.00
2.700	-0.2	-2.7	-18.99	0.00	-14.61	0.00
2.800	-0.4	-4.3	-23.05	0.00	-17.73	0.00
2.900	-0.6	-5.8	-26.96	0.00	-20.74	0.00
3.000	-0.7	-7.3	-30.54	0.00	-23.49	0.00
3.000	0.8	7.7	30.57	0.00	23.52	0.00
3.100	0.6	6.1	27.00	0.00	20.77	0.00
3.200	0.5	4.6	23.11	0.00	17.78	0.00
3.300	0.3	3.0	19.06	0.00	14.66	0.00
3.400	0.1	1.5	15.01	0.00	11.55	0.00
3.500	0.0	-0.1	11.14	0.00	8.57	0.00
3.600	-0.2	-1.7	-15.00	0.00	-11.54	0.00
3.700	-0.3	-3.2	-19.05	0.00	-14.65	0.00
3.800	-0.5	-4.8	-23.10	0.00	-17.77	0.00
3.900	-0.6	-6.3	-27.00	0.00	-20.77	0.00
4.000	-0.8	-7.9	-30.57	0.00	-23.51	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	30.57	0.00	23.51	0.00
4.100	0.6	6.2	27.00	0.00	20.77	0.00
4.200	0.5	4.7	23.11	0.00	17.77	0.00
4.300	0.3	3.2	19.05	0.00	14.66	0.00
4.400	0.2	1.6	15.01	0.00	11.55	0.00
4.500	0.0	0.1	11.13	0.00	8.56	0.00
4.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
4.700	-0.3	-3.1	-19.05	0.00	-14.66	0.00
4.800	-0.5	-4.7	-23.10	0.00	-17.77	0.00
4.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
5.000	-0.8	-7.7	-30.57	0.00	-23.51	0.00
5.000	0.8	7.7	30.57	0.00	23.51	0.00
5.100	0.6	6.2	27.00	0.00	20.77	0.00
5.200	0.5	4.7	23.10	0.00	17.77	0.00
5.300	0.3	3.1	19.05	0.00	14.66	0.00
5.400	0.2	1.6	15.01	0.00	11.55	0.00
5.500	0.0	0.1	11.13	0.00	8.56	0.00
5.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
5.700	-0.3	-3.2	-19.05	0.00	-14.66	0.00
5.800	-0.5	-4.7	-23.10	0.00	-17.77	0.00
5.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
6.000	-0.8	-7.8	-30.57	0.00	-23.51	0.00
6.000	0.8	7.8	30.57	0.00	23.51	0.00
6.100	0.6	6.2	27.00	0.00	20.77	0.00
6.200	0.5	4.7	23.10	0.00	17.77	0.00
6.300	0.3	3.2	19.05	0.00	14.66	0.00
6.400	0.2	1.6	15.01	0.00	11.55	0.00
6.500	0.0	0.1	11.13	0.00	8.56	0.00
6.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
6.700	-0.3	-3.1	-19.05	0.00	-14.66	0.00
6.800	-0.5	-4.7	-23.11	0.00	-17.77	0.00
6.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
7.000	-0.8	-7.7	-30.57	0.00	-23.51	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	30.57	0.00	23.51	0.00
7.100	0.6	6.2	27.00	0.00	20.77	0.00
7.200	0.5	4.7	23.10	0.00	17.77	0.00
7.300	0.3	3.1	19.05	0.00	14.66	0.00
7.400	0.2	1.6	15.01	0.00	11.55	0.00
7.500	0.0	0.1	11.13	0.00	8.56	0.00
7.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
7.700	-0.3	-3.2	-19.05	0.00	-14.66	0.00
7.800	-0.5	-4.7	-23.11	0.00	-17.77	0.00
7.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
8.000	-0.8	-7.8	-30.57	0.00	-23.51	0.00
8.000	0.8	7.9	30.57	0.00	23.51	0.00
8.100	0.6	6.3	27.00	0.00	20.77	0.00
8.200	0.5	4.8	23.10	0.00	17.77	0.00
8.300	0.3	3.2	19.05	0.00	14.65	0.00
8.400	0.2	1.7	15.00	0.00	11.54	0.00
8.500	0.0	0.2	-11.14	0.00	-8.57	0.00
8.600	-0.1	-1.5	-15.01	0.00	-11.55	0.00
8.700	-0.3	-3.0	-19.06	0.00	-14.66	0.00
8.800	-0.5	-4.6	-23.11	0.00	-17.78	0.00
8.900	-0.6	-6.1	-27.00	0.00	-20.77	0.00
9.000	-0.8	-7.7	-30.57	0.00	-23.52	0.00
9.000	0.7	-7.7	30.54	0.00	23.49	0.00
9.100	0.6	5.8	26.96	0.00	20.74	0.00
9.200	0.4	4.3	23.05	0.00	17.73	0.00
9.300	0.2	2.7	18.99	0.00	14.61	0.00
9.400	0.1	1.2	14.95	0.00	11.50	0.00
9.500	-0.1	-0.4	-11.18	0.00	-8.60	0.00
9.600	-0.2	-2.0	-15.07	0.00	-11.59	0.00
9.700	-0.4	-3.5	-19.12	0.00	-14.71	0.00
9.800	-0.5	-5.1	-23.17	0.00	-17.82	0.00
9.900	-0.7	-6.6	-27.06	0.00	-20.81	0.00
10.000	-0.8	-8.1	-30.61	0.00	-23.54	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	31.91	0.00	24.55	0.00
10.100	0.9	7.8	28.87	0.00	22.21	0.00
10.200	0.7	6.3	25.44	0.00	19.57	0.00
10.300	0.5	4.7	21.68	0.00	16.68	0.00
10.400	0.4	3.2	17.64	0.00	13.57	0.00
10.500	0.2	1.7	14.12	0.00	10.86	0.00
10.600	0.0	0.0	-12.38	0.00	-9.53	0.00
10.700	-0.2	-1.5	-16.11	0.00	-12.39	0.00
10.800	-0.4	-3.1	-20.12	0.00	-15.48	0.00
10.900	-0.6	-4.6	-24.36	0.00	-18.74	0.00
11.000	-0.7	-6.2	-28.77	0.00	-22.13	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	53.34	4.36	0.00	100.3
1.100	52.68	5.22	0.00	120.1
1.200	32.57	6.41	0.00	147.3
1.300	17.66	8.11	0.00	186.5
1.400	12.12	10.69	0.00	245.9
1.500	9.25	14.90	0.00	212.8
1.600	7.30	22.64	0.00	167.9
1.700	5.86	40.11	0.00	134.8
1.800	4.93	107.27	0.00	113.3
1.900	4.28	201.70	0.00	98.5
2.000	3.82	204.16	0.00	87.9
2.000	3.82	3.49	0.00	80.3
2.100	37.92	4.03	0.00	92.7
2.200	37.40	4.78	0.00	109.9
2.300	28.18	5.88	0.00	135.3
2.400	15.86	7.58	0.00	174.2
2.500	10.56	10.36	0.00	238.3
2.600	7.70	15.50	0.00	177.0
2.700	5.97	27.18	0.00	137.3
2.800	4.84	33.22	0.00	111.4
2.900	4.08	33.68	0.00	93.9
3.000	3.55	32.13	0.00	81.6
3.000	3.55	3.53	0.00	81.2
3.100	37.93	4.06	0.00	93.4
3.200	37.41	4.82	0.00	110.8
3.300	27.39	5.93	0.00	136.4
3.400	15.63	7.64	0.00	175.8
3.500	10.45	10.45	0.00	240.4
3.600	7.63	15.65	0.00	175.5
3.700	5.92	27.43	0.00	136.2
3.800	4.81	37.68	0.00	110.6
3.900	4.05	38.20	0.00	93.2
4.000	3.52	36.29	0.00	81.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.52	3.53	0.00	81.1
4.100	37.99	4.06	0.00	93.3
4.200	37.47	4.81	0.00	110.7
4.300	27.42	5.93	0.00	136.3
4.400	15.64	7.63	0.00	175.6
4.500	10.46	10.44	0.00	240.2
4.600	7.64	15.63	0.00	175.7
4.700	5.93	27.41	0.00	136.4
4.800	4.82	37.46	0.00	110.8
4.900	4.06	37.99	0.00	93.3
5.000	3.53	36.13	0.00	81.2
5.000	3.53	3.53	0.00	81.2
5.100	37.98	4.06	0.00	93.3
5.200	37.46	4.81	0.00	110.7
5.300	27.41	5.93	0.00	136.3
5.400	15.64	7.64	0.00	175.7
5.500	10.46	10.45	0.00	240.3
5.600	7.64	15.64	0.00	175.6
5.700	5.93	27.42	0.00	136.3
5.800	4.81	37.47	0.00	110.7
5.900	4.06	37.99	0.00	93.3
6.000	3.53	36.12	0.00	81.1
6.000	3.53	3.53	0.00	81.1
6.100	37.99	4.06	0.00	93.3
6.200	37.47	4.81	0.00	110.7
6.300	27.42	5.93	0.00	136.3
6.400	15.64	7.64	0.00	175.6
6.500	10.46	10.44	0.00	240.2
6.600	7.64	15.64	0.00	175.7
6.700	5.93	27.41	0.00	136.3
6.800	4.81	37.46	0.00	110.7
6.900	4.06	37.98	0.00	93.3
7.000	3.53	36.12	0.00	81.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.53	3.53	0.00	81.2
7.100	37.99	4.06	0.00	93.3
7.200	37.46	4.82	0.00	110.8
7.300	27.41	5.93	0.00	136.4
7.400	15.63	7.64	0.00	175.7
7.500	10.45	10.45	0.00	240.3
7.600	7.63	15.64	0.00	175.6
7.700	5.93	27.42	0.00	136.3
7.800	4.81	37.47	0.00	110.7
7.900	4.06	37.99	0.00	93.3
8.000	3.53	36.12	0.00	81.1
8.000	3.53	3.52	0.00	81.1
8.100	38.20	4.05	0.00	93.2
8.200	37.68	4.81	0.00	110.6
8.300	27.43	5.92	0.00	136.2
8.400	15.65	7.63	0.00	175.5
8.500	10.47	10.44	0.00	240.1
8.600	7.64	15.63	0.00	175.8
8.700	5.93	27.39	0.00	136.4
8.800	4.82	37.41	0.00	110.8
8.900	4.06	37.93	0.00	93.4
9.000	3.53	36.10	0.00	81.2
9.000	3.53	3.55	0.00	81.2
9.100	33.68	4.08	0.00	93.9
9.200	33.22	4.84	0.00	111.4
9.300	27.18	5.97	0.00	137.3
9.400	15.50	7.70	0.00	177.0
9.500	10.37	10.55	0.00	238.5
9.600	7.58	15.86	0.00	174.2
9.700	5.88	28.18	0.00	135.3
9.800	4.78	37.40	0.00	109.9
9.900	4.03	37.92	0.00	92.7
10.000	3.51	35.94	0.00	80.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.51	3.82	0.00	80.7
10.100	201.70	4.28	0.00	98.5
10.200	107.27	4.93	0.00	113.3
10.300	40.11	5.86	0.00	134.8
10.400	22.64	7.30	0.00	167.9
10.500	14.92	9.24	0.00	212.6
10.600	10.69	12.12	0.00	245.9
10.700	8.11	17.66	0.00	186.5
10.800	6.41	32.57	0.00	147.3
10.900	5.22	52.68	0.00	120.1
11.000	4.36	999.00	0.00	100.3

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.100 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
3.200 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
3.300 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
3.400 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
3.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
3.600 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
3.700 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
3.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
3.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.100	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
63.2								
6.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.300	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
89.0								
6.400	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
95.5								
6.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
6.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
6.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
6.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
6.900	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
63.4								
7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
44.2								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I				
	Positive Bending		Negative Bending		Positive Bending		Negative Bending		
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo	
44.2	7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
63.3	7.100	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
78.2	7.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
88.9	7.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
95.3	7.400	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
97.5	7.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
95.2	7.600	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
88.6	7.700	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
77.7	7.800	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
62.7	7.900	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
62.9	8.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
78.2	8.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
89.2	8.300	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
96.1	8.400	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
98.6	8.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
96.7	8.600	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
90.5	8.700	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
80.0	8.800	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
65.4	8.900	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.21	53.21	5.21	53.21	0.00	119.8
1.200	3.05	27.43	3.05	27.43	0.00	70.0
1.300	2.48	18.62	2.48	18.62	0.00	57.1
1.400	2.32	14.05	2.32	14.05	0.00	53.3
1.500	2.38	11.17	2.38	11.17	0.00	54.8
1.600	2.75	9.14	2.75	9.14	0.00	63.2
1.700	3.49	7.59	3.49	7.59	0.00	80.3
1.800	5.88	6.35	5.88	6.35	0.00	135.1
1.900	22.41	5.31	22.41	5.31	0.00	122.1
2.000	21.54	3.85	21.54	3.85	0.00	88.5
2.000	18.52	3.14	18.52	3.14	0.00	72.3
2.100	28.43	4.07	28.43	4.07	0.00	93.6
2.200	5.62	5.06	5.62	5.06	0.00	116.4
2.300	3.48	6.36	3.48	6.36	0.00	80.1
2.400	2.85	8.22	2.85	8.22	0.00	65.6
2.500	2.65	11.19	2.65	11.19	0.00	60.9
2.600	2.82	9.33	2.82	9.33	0.00	64.8
2.700	3.40	7.27	3.40	7.27	0.00	78.1
2.800	5.38	5.83	5.38	5.83	0.00	123.8
2.900	19.65	4.73	19.65	4.73	0.00	108.8
3.000	16.22	3.50	16.22	3.50	0.00	80.6
3.000	16.22	3.50	16.22	3.50	0.00	80.6
3.100	17.45	4.77	17.45	4.77	0.00	109.8
3.200	5.36	5.89	5.36	5.89	0.00	123.2
3.300	3.36	7.36	3.36	7.36	0.00	77.3
3.400	2.78	9.46	2.78	9.46	0.00	63.8
3.500	2.59	12.76	2.59	12.76	0.00	59.7
3.600	2.78	9.40	2.78	9.40	0.00	64.0
3.700	3.37	7.30	3.37	7.30	0.00	77.6
3.800	5.39	5.83	5.39	5.83	0.00	123.9
3.900	19.77	4.71	19.77	4.71	0.00	108.3
4.000	18.40	3.46	18.40	3.46	0.00	79.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	18.40	3.46	18.40	3.46	0.00	79.6
4.100	19.88	4.70	19.88	4.70	0.00	108.2
4.200	5.39	5.82	5.39	5.82	0.00	124.1
4.300	3.38	7.28	3.38	7.28	0.00	77.8
4.400	2.79	9.37	2.79	9.37	0.00	64.2
4.500	2.60	12.71	2.60	12.71	0.00	59.9
4.600	2.79	9.37	2.79	9.37	0.00	64.1
4.700	3.38	7.29	3.38	7.29	0.00	77.7
4.800	5.38	5.83	5.38	5.83	0.00	123.8
4.900	19.74	4.72	19.74	4.72	0.00	108.5
5.000	18.36	3.47	18.36	3.47	0.00	79.9
5.000	18.36	3.47	18.36	3.47	0.00	79.9
5.100	19.75	4.72	19.75	4.72	0.00	108.5
5.200	5.38	5.83	5.38	5.83	0.00	123.8
5.300	3.38	7.30	3.38	7.30	0.00	77.7
5.400	2.79	9.38	2.79	9.38	0.00	64.1
5.500	2.60	12.72	2.60	12.72	0.00	59.8
5.600	2.79	9.38	2.79	9.38	0.00	64.1
5.700	3.38	7.29	3.38	7.29	0.00	77.7
5.800	5.39	5.83	5.39	5.83	0.00	123.9
5.900	19.76	4.71	19.76	4.71	0.00	108.4
6.000	18.37	3.47	18.37	3.47	0.00	79.8
6.000	18.37	3.47	18.37	3.47	0.00	79.8
6.100	19.76	4.71	19.76	4.71	0.00	108.4
6.200	5.39	5.83	5.39	5.83	0.00	123.9
6.300	3.38	7.29	3.38	7.29	0.00	77.7
6.400	2.79	9.38	2.79	9.38	0.00	64.1
6.500	2.60	12.72	2.60	12.72	0.00	59.8
6.600	2.79	9.38	2.79	9.38	0.00	64.1
6.700	3.38	7.30	3.38	7.30	0.00	77.7
6.800	5.38	5.83	5.38	5.83	0.00	123.8
6.900	19.75	4.72	19.75	4.72	0.00	108.5
7.000	18.36	3.47	18.36	3.47	0.00	79.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	18.36	3.47	18.36	3.47	0.00	79.9
7.100	19.74	4.72	19.74	4.72	0.00	108.5
7.200	5.38	5.83	5.38	5.83	0.00	123.8
7.300	3.38	7.29	3.38	7.29	0.00	77.7
7.400	2.79	9.37	2.79	9.37	0.00	64.1
7.500	2.60	12.71	2.60	12.71	0.00	59.9
7.600	2.79	9.37	2.79	9.37	0.00	64.2
7.700	3.38	7.28	3.38	7.28	0.00	77.8
7.800	5.39	5.82	5.39	5.82	0.00	124.1
7.900	19.88	4.70	19.88	4.70	0.00	108.2
8.000	18.40	3.46	18.40	3.46	0.00	79.6
8.000	18.40	3.46	18.40	3.46	0.00	79.6
8.100	19.77	4.71	19.77	4.71	0.00	108.3
8.200	5.39	5.83	5.39	5.83	0.00	123.9
8.300	3.37	7.30	3.37	7.30	0.00	77.6
8.400	2.78	9.40	2.78	9.40	0.00	64.0
8.500	2.59	12.76	2.59	12.76	0.00	59.7
8.600	2.78	9.46	2.78	9.46	0.00	63.8
8.700	3.36	7.36	3.36	7.36	0.00	77.3
8.800	5.36	5.89	5.36	5.89	0.00	123.2
8.900	17.45	4.77	17.45	4.77	0.00	109.8
9.000	16.22	3.50	16.22	3.50	0.00	80.6
9.000	16.22	3.50	16.22	3.50	0.00	80.6
9.100	19.65	4.73	19.65	4.73	0.00	108.8
9.200	5.38	5.83	5.38	5.83	0.00	123.7
9.300	3.40	7.27	3.40	7.27	0.00	78.1
9.400	2.82	9.33	2.82	9.33	0.00	64.8
9.500	2.65	11.19	2.65	11.19	0.00	60.9
9.600	2.85	8.22	2.85	8.22	0.00	65.6
9.700	3.48	6.36	3.48	6.36	0.00	80.1
9.800	5.62	5.06	5.62	5.06	0.00	116.4
9.900	28.43	4.07	28.43	4.07	0.00	93.6
10.000	18.52	3.14	18.52	3.14	0.00	72.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	18.52	3.14	18.52	3.14	0.00	72.3
10.100	22.41	5.31	22.41	5.31	0.00	122.1
10.200	5.88	6.35	5.88	6.35	0.00	135.1
10.300	3.49	7.59	3.49	7.59	0.00	80.3
10.400	2.75	9.14	2.75	9.14	0.00	63.2
10.500	2.38	11.17	2.38	11.17	0.00	54.8
10.600	2.32	14.05	2.32	14.05	0.00	53.3
10.700	2.48	18.62	2.48	18.62	0.00	57.1
10.800	3.05	27.43	3.05	27.43	0.00	70.0
10.900	5.21	53.21	5.21	53.21	0.00	119.8
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	62.26 R	0.00	47.89	0.00
1.200	2.8	23.1	100.96 R	0.00	77.66	0.00
1.300	3.5	28.9	126.12 R	0.00	97.01	0.00
1.400	3.7	30.8	137.69 R	0.00	105.92	0.00
1.500	3.5	28.9	133.85 L	0.00	102.96	0.00
1.600	2.8	22.8	119.88 L	0.00	92.22	0.00
1.700	1.7	12.9	93.34 L	0.00	71.80	0.00
1.800	0.1	-0.9	-56.55 R	0.00	-43.50	0.00
1.900	-2.0	-18.5	-63.62 R	0.00	-48.94	0.00
2.000	-4.5	-40.0	-90.16 R	0.00	-69.35	0.00
2.000	-4.5	-40.0	-90.16 R	0.00	-69.35	0.00
2.100	-2.6	-21.5	-67.84 L	0.00	-52.18	0.00
2.200	-1.0	-6.9	-57.99 L	0.00	-44.60	0.00
2.300	0.1	3.9	81.20 R	0.00	62.46	0.00
2.400	0.8	10.8	100.69 R	0.00	77.45	0.00
2.500	1.2	13.9	104.34 R	0.00	80.26	0.00
2.600	1.1	12.8	101.08 L	0.00	77.76	0.00
2.700	0.7	7.8	81.93 L	0.00	63.03	0.00
2.800	-0.1	-0.9	-51.71 R	0.00	-39.77	0.00
2.900	-1.3	-13.5	-60.54 R	0.00	-46.57	0.00
3.000	-2.9	-30.0	-83.21 L	0.00	-64.01	0.00
3.000	-2.9	-30.0	-83.21 L	0.00	-64.01	0.00
3.100	-1.2	-12.8	-60.20 L	0.00	-46.31	0.00
3.200	0.1	0.5	-51.46 L	0.00	-39.59	0.00
3.300	1.0	10.0	82.00 R	0.00	63.08	0.00
3.400	1.6	15.7	101.33 R	0.00	77.94	0.00
3.500	1.7	17.5	104.77 L	0.00	80.59	0.00
3.600	1.5	15.2	101.35 L	0.00	77.96	0.00
3.700	0.9	9.0	82.05 L	0.00	63.12	0.00
3.800	-0.1	-1.1	-51.70 R	0.00	-39.77	0.00
3.900	-1.5	-15.0	-60.49 R	0.00	-46.53	0.00
4.000	-3.3	-32.7	-83.16 L	0.00	-63.97	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-83.16 L 0.00	-63.97 0.00
4.100	-1.6	-15.2	-60.46 L 0.00	-46.51 0.00
4.200	-0.2	-1.5	-51.68 L 0.00	-39.76 0.00
4.300	0.8	8.4	82.06 R 0.00	63.12 0.00
4.400	1.4	14.4	101.37 R 0.00	77.98 0.00
4.500	1.6	16.5	104.80 L 0.00	80.62 0.00
4.600	1.4	14.5	101.37 L 0.00	77.98 0.00
4.700	0.8	8.7	82.06 L 0.00	63.12 0.00
4.800	-0.1	-1.0	-51.70 R 0.00	-39.77 0.00
4.900	-1.5	-14.6	-60.48 R 0.00	-46.53 0.00
5.000	-3.2	-32.0	-83.16 L 0.00	-63.97 0.00
5.000	-3.2	-32.0	-83.16 L 0.00	-63.97 0.00
5.100	-1.5	-14.5	-60.48 L 0.00	-46.53 0.00
5.200	-0.1	-0.9	-51.70 L 0.00	-39.77 0.00
5.300	0.9	8.8	82.06 R 0.00	63.12 0.00
5.400	1.4	14.7	101.37 R 0.00	77.98 0.00
5.500	1.6	16.8	104.80 R 0.00	80.62 0.00
5.600	1.4	14.7	101.37 L 0.00	77.98 0.00
5.700	0.8	8.7	82.06 L 0.00	63.12 0.00
5.800	-0.1	-1.1	-51.70 R 0.00	-39.77 0.00
5.900	-1.5	-14.7	-60.48 R 0.00	-46.53 0.00
6.000	-3.3	-32.2	-83.16 R 0.00	-63.97 0.00
6.000	-3.3	-32.2	-83.16 R 0.00	-63.97 0.00
6.100	-1.5	-14.7	-60.48 L 0.00	-46.53 0.00
6.200	-0.1	-1.1	-51.70 L 0.00	-39.77 0.00
6.300	0.8	8.7	82.06 R 0.00	63.13 0.00
6.400	1.4	14.7	101.37 R 0.00	77.98 0.00
6.500	1.6	16.8	104.80 R 0.00	80.62 0.00
6.600	1.4	14.7	101.37 L 0.00	77.98 0.00
6.700	0.9	8.8	82.06 L 0.00	63.12 0.00
6.800	-0.1	-0.9	-51.70 R 0.00	-39.77 0.00
6.900	-1.5	-14.5	-60.48 R 0.00	-46.53 0.00
7.000	-3.2	-32.0	-83.16 R 0.00	-63.97 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	
7.000	-3.2	-32.0	-83.16	R	0.00	-63.97	0.00
7.100	-1.5	-14.6	-60.48	L	0.00	-46.53	0.00
7.200	-0.1	-1.0	-51.70	L	0.00	-39.77	0.00
7.300	0.8	8.7	82.06	R	0.00	63.12	0.00
7.400	1.4	14.5	101.37	R	0.00	77.98	0.00
7.500	1.6	16.5	104.80	R	0.00	80.62	0.00
7.600	1.4	14.4	101.37	L	0.00	77.98	0.00
7.700	0.8	8.4	82.06	L	0.00	63.12	0.00
7.800	-0.2	-1.5	-51.68	R	0.00	-39.76	0.00
7.900	-1.6	-15.2	-60.46	R	0.00	-46.51	0.00
8.000	-3.3	-32.7	-83.16	R	0.00	-63.97	0.00
8.000	-3.3	-32.7	-83.16	R	0.00	-63.97	0.00
8.100	-1.5	-15.0	-60.49	L	0.00	-46.53	0.00
8.200	-0.1	-1.1	-51.70	L	0.00	-39.77	0.00
8.300	0.9	9.0	82.05	R	0.00	63.12	0.00
8.400	1.5	15.2	101.35	R	0.00	77.96	0.00
8.500	1.7	17.5	104.77	R	0.00	80.59	0.00
8.600	1.6	15.7	101.32	L	0.00	77.94	0.00
8.700	1.0	10.0	82.00	L	0.00	63.08	0.00
8.800	0.1	0.5	-51.46	R	0.00	-39.59	0.00
8.900	-1.2	-12.8	-60.20	R	0.00	-46.31	0.00
9.000	-2.9	-30.0	-83.21	R	0.00	-64.01	0.00
9.000	-2.9	-30.0	-83.21	R	0.00	-64.01	0.00
9.100	-1.3	-13.5	-60.54	L	0.00	-46.57	0.00
9.200	-0.1	-0.9	-51.71	L	0.00	-39.77	0.00
9.300	0.7	7.8	81.93	R	0.00	63.03	0.00
9.400	1.1	12.8	101.08	R	0.00	77.76	0.00
9.500	1.2	13.9	104.34	L	0.00	80.26	0.00
9.600	0.8	10.8	100.69	L	0.00	77.45	0.00
9.700	0.1	3.9	81.20	L	0.00	62.46	0.00
9.800	-1.0	-6.9	-57.99	R	0.00	-44.60	0.00
9.900	-2.6	-21.5	-67.84	R	0.00	-52.18	0.00
10.000	-4.5	-40.0	-90.16	L	0.00	-69.35	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-90.16	L 0.00	-69.35	0.00
10.100	-2.0	-18.5	-63.62	L 0.00	-48.94	0.00
10.200	0.1	-0.9	-56.55	L 0.00	-43.50	0.00
10.300	1.7	12.9	93.34	R 0.00	71.80	0.00
10.400	2.8	22.8	119.88	R 0.00	92.22	0.00
10.500	3.5	28.9	133.85	R 0.00	102.96	0.00
10.600	3.7	30.8	137.69	L 0.00	105.92	0.00
10.700	3.5	28.9	126.12	L 0.00	97.01	0.00
10.800	2.8	23.1	100.96	L 0.00	77.66	0.00
10.900	1.6	13.5	62.26	L 0.00	47.89	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.53	47.32	4.89	53.02	0.00	132.0
1.200	3.31	24.42	2.91	27.27	0.00	78.5
1.300	2.60	16.59	2.28	18.49	0.00	61.5
1.400	2.36	12.52	2.07	13.94	0.00	55.9
1.500	2.45	9.95	2.14	11.09	0.00	57.9
1.600	2.79	8.14	2.45	9.08	0.00	66.2
1.700	3.70	6.75	3.27	7.56	0.00	88.2
1.800	6.81	5.63	6.05	6.35	0.00	152.1
1.900	22.62	4.70	20.23	5.33	0.00	126.9
2.000	21.34	3.05	19.21	3.50	0.00	82.3
2.000	18.22	2.49	16.53	2.84	0.00	67.1
2.100	32.58	3.61	29.38	4.08	0.00	97.3
2.200	6.55	4.50	5.87	5.05	0.00	121.4
2.300	3.65	5.66	3.26	6.33	0.00	88.0
2.400	2.87	7.32	2.55	8.16	0.00	68.9
2.500	2.74	9.98	2.43	11.10	0.00	65.6
2.600	2.84	8.30	2.52	9.24	0.00	68.0
2.700	3.57	6.47	3.17	7.21	0.00	85.7
2.800	6.28	5.18	5.62	5.79	0.00	139.7
2.900	19.73	4.19	17.73	4.72	0.00	113.2
3.000	16.02	2.83	14.49	3.22	0.00	76.5
3.000	16.02	2.83	14.49	3.22	0.00	76.5
3.100	17.49	4.23	15.71	4.76	0.00	114.2
3.200	6.26	5.23	5.59	5.85	0.00	141.3
3.300	3.53	6.55	3.14	7.30	0.00	84.8
3.400	2.80	8.41	2.48	9.36	0.00	67.0
3.500	2.69	11.36	2.38	12.62	0.00	64.3
3.600	2.80	8.36	2.49	9.30	0.00	67.1
3.700	3.54	6.49	3.15	7.24	0.00	85.2
3.800	6.29	5.17	5.62	5.79	0.00	139.7
3.900	19.85	4.17	17.85	4.70	0.00	112.6
4.000	18.14	2.80	16.41	3.18	0.00	75.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
4.000	18.14	2.80	16.41	3.18	0.00	75.5
4.100	19.96	4.17	17.95	4.70	0.00	112.5
4.200	6.30	5.17	5.63	5.78	0.00	139.5
4.300	3.55	6.47	3.16	7.22	0.00	85.4
4.400	2.81	8.34	2.49	9.27	0.00	67.4
4.500	2.70	11.31	2.39	12.57	0.00	64.5
4.600	2.81	8.34	2.49	9.27	0.00	67.3
4.700	3.55	6.48	3.16	7.23	0.00	85.3
4.800	6.29	5.17	5.62	5.79	0.00	139.7
4.900	19.82	4.18	17.82	4.70	0.00	112.8
5.000	18.09	2.81	16.37	3.19	0.00	75.8
5.000	18.09	2.81	16.37	3.19	0.00	75.8
5.100	19.83	4.18	17.82	4.71	0.00	112.8
5.200	6.28	5.18	5.62	5.80	0.00	139.8
5.300	3.55	6.49	3.16	7.23	0.00	85.2
5.400	2.81	8.34	2.49	9.28	0.00	67.3
5.500	2.69	11.32	2.39	12.58	0.00	64.5
5.600	2.81	8.34	2.49	9.28	0.00	67.3
5.700	3.55	6.48	3.16	7.23	0.00	85.2
5.800	6.29	5.17	5.62	5.79	0.00	139.7
5.900	19.83	4.17	17.83	4.70	0.00	112.7
6.000	18.11	2.80	16.39	3.19	0.00	75.7
6.000	18.11	2.80	16.39	3.19	0.00	75.7
6.100	19.83	4.17	17.83	4.70	0.00	112.7
6.200	6.29	5.17	5.62	5.79	0.00	139.7
6.300	3.55	6.48	3.16	7.23	0.00	85.2
6.400	2.81	8.34	2.49	9.28	0.00	67.3
6.500	2.69	11.32	2.39	12.58	0.00	64.5
6.600	2.81	8.34	2.49	9.28	0.00	67.3
6.700	3.55	6.49	3.16	7.23	0.00	85.2
6.800	6.29	5.18	5.62	5.80	0.00	139.8
6.900	19.83	4.18	17.82	4.71	0.00	112.8
7.000	18.09	2.81	16.37	3.19	0.00	75.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
7.000	18.09	2.81	16.37	3.19	0.00	75.8
7.100	19.82	4.18	17.82	4.70	0.00	112.8
7.200	6.29	5.17	5.62	5.79	0.00	139.7
7.300	3.55	6.48	3.16	7.23	0.00	85.3
7.400	2.81	8.34	2.49	9.27	0.00	67.3
7.500	2.70	11.31	2.39	12.57	0.00	64.5
7.600	2.81	8.34	2.49	9.27	0.00	67.4
7.700	3.55	6.47	3.16	7.22	0.00	85.4
7.800	6.30	5.17	5.63	5.78	0.00	139.5
7.900	19.96	4.17	17.95	4.70	0.00	112.5
8.000	18.14	2.80	16.41	3.18	0.00	75.5
8.000	18.14	2.80	16.41	3.18	0.00	75.5
8.100	19.85	4.17	17.85	4.70	0.00	112.6
8.200	6.29	5.17	5.62	5.79	0.00	139.7
8.300	3.54	6.49	3.15	7.24	0.00	85.2
8.400	2.80	8.36	2.49	9.30	0.00	67.1
8.500	2.69	11.36	2.38	12.62	0.00	64.3
8.600	2.80	8.41	2.48	9.36	0.00	67.0
8.700	3.53	6.55	3.14	7.30	0.00	84.8
8.800	6.26	5.23	5.59	5.86	0.00	141.3
8.900	17.49	4.23	15.71	4.76	0.00	114.2
9.000	16.02	2.83	14.49	3.22	0.00	76.5
9.000	16.02	2.83	14.49	3.22	0.00	76.5
9.100	19.73	4.19	17.73	4.72	0.00	113.2
9.200	6.28	5.18	5.62	5.79	0.00	139.7
9.300	3.57	6.47	3.17	7.21	0.00	85.7
9.400	2.84	8.30	2.52	9.24	0.00	68.0
9.500	2.74	9.98	2.43	11.10	0.00	65.6
9.600	2.87	7.32	2.55	8.16	0.00	68.9
9.700	3.65	5.66	3.26	6.33	0.00	88.0
9.800	6.55	4.50	5.87	5.05	0.00	121.4
9.900	32.58	3.61	29.38	4.08	0.00	97.3
10.000	18.22	2.49	16.53	2.84	0.00	67.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
10.000	21.34	2.49	16.53	3.50	0.00	67.1
10.100	22.62	4.70	20.23	5.33	0.00	126.9
10.200	6.81	5.63	6.05	6.35	0.00	152.1
10.300	3.70	6.75	3.27	7.56	0.00	88.2
10.400	2.79	8.14	2.45	9.08	0.00	66.2
10.500	2.45	9.95	2.14	11.09	0.00	57.9
10.600	2.36	12.52	2.07	13.94	0.00	55.9
10.700	2.60	16.59	2.28	18.49	0.00	61.5
10.800	3.31	24.42	2.91	27.27	0.00	78.5
10.900	5.53	47.32	4.89	53.02	0.00	132.0
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	29.87	0.00	22.97	0.00
1.100	0.6	4.6	24.90	0.00	19.16	0.00
1.200	0.4	3.1	20.19	0.00	15.53	0.00
1.300	0.2	1.5	15.89	0.00	12.22	0.00
1.400	0.0	0.0	11.80	0.00	9.08	0.00
1.500	-0.2	-1.6	-14.21	0.00	-10.93	0.00
1.600	-0.4	-3.2	-18.09	0.00	-13.92	0.00
1.700	-0.5	-4.7	-22.18	0.00	-17.06	0.00
1.800	-0.7	-6.3	-26.13	0.00	-20.10	0.00
1.900	-0.9	-7.8	-30.41	0.00	-23.39	0.00
2.000	-1.1	-9.4	-34.28	0.00	-26.37	0.00
2.000	0.8	-9.4	32.52	0.00	25.01	0.00
2.100	0.7	6.6	28.06	0.00	21.59	0.00
2.200	0.5	5.1	23.81	0.00	18.32	0.00
2.300	0.4	3.5	19.55	0.00	15.04	0.00
2.400	0.2	2.0	15.06	0.00	11.58	0.00
2.500	0.1	0.5	10.46	0.00	8.04	0.00
2.600	-0.1	-1.2	-14.93	0.00	-11.48	0.00
2.700	-0.2	-2.7	-19.42	0.00	-14.94	0.00
2.800	-0.4	-4.3	-23.67	0.00	-18.20	0.00
2.900	-0.6	-5.8	-27.94	0.00	-21.49	0.00
3.000	-0.7	-7.3	-32.28	0.00	-24.83	0.00
3.000	0.8	7.7	32.33	0.00	24.87	0.00
3.100	0.6	6.1	28.00	0.00	21.54	0.00
3.200	0.5	4.6	23.72	0.00	18.24	0.00
3.300	0.3	3.0	19.48	0.00	14.99	0.00
3.400	0.1	1.5	15.00	0.00	11.54	0.00
3.500	0.0	-0.1	10.40	0.00	8.00	0.00
3.600	-0.2	-1.7	-14.99	0.00	-11.53	0.00
3.700	-0.3	-3.2	-19.48	0.00	-14.98	0.00
3.800	-0.5	-4.8	-23.71	0.00	-18.24	0.00
3.900	-0.6	-6.3	-27.99	0.00	-21.53	0.00
4.000	-0.8	-7.9	-32.32	0.00	-24.86	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	32.33	0.00	24.87	0.00
4.100	0.6	6.2	28.00	0.00	21.54	0.00
4.200	0.5	4.7	23.71	0.00	18.24	0.00
4.300	0.3	3.2	19.48	0.00	14.98	0.00
4.400	0.2	1.6	14.99	0.00	11.53	0.00
4.500	0.0	0.1	10.40	0.00	8.00	0.00
4.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
4.700	-0.3	-3.1	-19.48	0.00	-14.98	0.00
4.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
4.900	-0.6	-6.2	-28.00	0.00	-21.53	0.00
5.000	-0.8	-7.7	-32.33	0.00	-24.87	0.00
5.000	0.8	7.7	32.33	0.00	24.87	0.00
5.100	0.6	6.2	28.00	0.00	21.54	0.00
5.200	0.5	4.7	23.71	0.00	18.24	0.00
5.300	0.3	3.1	19.48	0.00	14.98	0.00
5.400	0.2	1.6	14.99	0.00	11.53	0.00
5.500	0.0	0.1	10.39	0.00	8.00	0.00
5.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
5.700	-0.3	-3.2	-19.48	0.00	-14.98	0.00
5.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
5.900	-0.6	-6.2	-28.00	0.00	-21.54	0.00
6.000	-0.8	-7.8	-32.33	0.00	-24.87	0.00
6.000	0.8	7.8	32.33	0.00	24.87	0.00
6.100	0.6	6.2	28.00	0.00	21.54	0.00
6.200	0.5	4.7	23.71	0.00	18.24	0.00
6.300	0.3	3.2	19.48	0.00	14.98	0.00
6.400	0.2	1.6	14.99	0.00	11.53	0.00
6.500	0.0	0.1	10.39	0.00	8.00	0.00
6.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
6.700	-0.3	-3.1	-19.48	0.00	-14.98	0.00
6.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
6.900	-0.6	-6.2	-28.00	0.00	-21.54	0.00
7.000	-0.8	-7.7	-32.33	0.00	-24.87	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	32.32	0.00	24.87	0.00
7.100	0.6	6.2	28.00	0.00	21.53	0.00
7.200	0.5	4.7	23.71	0.00	18.24	0.00
7.300	0.3	3.1	19.48	0.00	14.98	0.00
7.400	0.2	1.6	14.99	0.00	11.53	0.00
7.500	0.0	0.1	-10.40	0.00	8.00	0.00
7.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
7.700	-0.3	-3.2	-19.48	0.00	-14.98	0.00
7.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
7.900	-0.6	-6.2	-28.00	0.00	-21.54	0.00
8.000	-0.8	-7.8	-32.33	0.00	-24.87	0.00
8.000	0.8	7.9	32.32	0.00	24.86	0.00
8.100	0.6	6.3	27.99	0.00	21.53	0.00
8.200	0.5	4.8	23.71	0.00	18.24	0.00
8.300	0.3	3.2	19.48	0.00	14.98	0.00
8.400	0.2	1.7	14.99	0.00	11.53	0.00
8.500	0.0	0.2	-10.40	0.00	-8.00	0.00
8.600	-0.1	-1.5	-15.00	0.00	-11.54	0.00
8.700	-0.3	-3.0	-19.48	0.00	-14.99	0.00
8.800	-0.5	-4.6	-23.72	0.00	-18.24	0.00
8.900	-0.6	-6.1	-28.00	0.00	-21.54	0.00
9.000	-0.8	-7.7	-32.33	0.00	-24.87	0.00
9.000	0.7	-7.7	32.28	0.00	24.83	0.00
9.100	0.6	5.8	27.94	0.00	21.49	0.00
9.200	0.4	4.3	23.67	0.00	18.20	0.00
9.300	0.2	2.7	19.42	0.00	14.94	0.00
9.400	0.1	1.2	14.93	0.00	11.48	0.00
9.500	-0.1	-0.4	-10.46	0.00	-8.04	0.00
9.600	-0.2	-2.0	-15.06	0.00	-11.58	0.00
9.700	-0.4	-3.5	-19.55	0.00	-15.04	0.00
9.800	-0.5	-5.1	-23.81	0.00	-18.32	0.00
9.900	-0.7	-6.6	-28.06	0.00	-21.59	0.00
10.000	-0.8	-8.1	-32.38	0.00	-24.91	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	34.28	0.00	26.37	0.00
10.100	0.9	7.8	30.41	0.00	23.39	0.00
10.200	0.7	6.3	26.13	0.00	20.10	0.00
10.300	0.5	4.7	22.18	0.00	17.06	0.00
10.400	0.4	3.2	18.09	0.00	13.92	0.00
10.500	0.2	1.7	14.21	0.00	10.93	0.00
10.600	0.0	0.0	-12.28	0.00	-9.44	0.00
10.700	-0.2	-1.5	-15.89	0.00	-12.22	0.00
10.800	-0.4	-3.1	-20.19	0.00	-15.53	0.00
10.900	-0.6	-4.6	-24.90	0.00	-19.16	0.00
11.000	-0.7	-6.2	-29.87	0.00	-22.97	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	49.44	4.20	0.00	113.4
1.100	48.82	5.11	0.00	137.9
1.200	39.55	6.39	0.00	172.4
1.300	21.45	8.22	0.00	222.0
1.400	13.05	11.22	0.00	302.9
1.500	9.20	16.29	0.00	248.3
1.600	7.12	26.51	0.00	192.2
1.700	5.73	54.68	0.00	154.7
1.800	4.80	184.65	0.00	129.6
1.900	4.07	186.92	0.00	109.8
2.000	3.56	189.20	0.00	96.0
2.000	3.56	3.30	0.00	89.2
2.100	35.14	3.89	0.00	104.9
2.200	34.66	4.65	0.00	125.6
2.300	34.18	5.75	0.00	155.3
2.400	18.75	7.58	0.00	204.7
2.500	11.32	11.08	0.00	299.2
2.600	7.71	18.12	0.00	208.2
2.700	5.84	30.41	0.00	157.6
2.800	4.72	30.84	0.00	127.4
2.900	3.94	31.15	0.00	106.3
3.000	3.36	29.72	0.00	90.6
3.000	3.36	3.34	0.00	90.2
3.100	35.15	3.92	0.00	105.7
3.200	34.67	4.70	0.00	126.8
3.300	34.18	5.80	0.00	156.7
3.400	18.26	7.65	0.00	206.5
3.500	11.19	11.20	0.00	302.3
3.600	7.64	18.29	0.00	206.2
3.700	5.79	34.43	0.00	156.4
3.800	4.69	34.92	0.00	126.5
3.900	3.91	35.27	0.00	105.5
4.000	3.33	33.51	0.00	90.0

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.33	3.34	0.00	90.0
4.100	35.21	3.91	0.00	105.6
4.200	34.73	4.69	0.00	126.6
4.300	34.24	5.80	0.00	156.5
4.400	18.28	7.64	0.00	206.3
4.500	11.20	11.19	0.00	302.0
4.600	7.65	18.27	0.00	206.4
4.700	5.80	34.24	0.00	156.6
4.800	4.69	34.72	0.00	126.7
4.900	3.91	35.07	0.00	105.7
5.000	3.34	33.36	0.00	90.1
5.000	3.34	3.34	0.00	90.1
5.100	35.20	3.91	0.00	105.6
5.200	34.71	4.69	0.00	126.7
5.300	34.23	5.80	0.00	156.5
5.400	18.28	7.64	0.00	206.4
5.500	11.20	11.19	0.00	302.1
5.600	7.64	18.28	0.00	206.4
5.700	5.80	34.24	0.00	156.5
5.800	4.69	34.72	0.00	126.6
5.900	3.91	35.08	0.00	105.6
6.000	3.34	33.35	0.00	90.1
6.000	3.34	3.34	0.00	90.1
6.100	35.21	3.91	0.00	105.6
6.200	34.72	4.69	0.00	126.6
6.300	34.24	5.80	0.00	156.5
6.400	18.28	7.64	0.00	206.4
6.500	11.20	11.19	0.00	302.1
6.600	7.64	18.28	0.00	206.4
6.700	5.80	34.23	0.00	156.5
6.800	4.69	34.71	0.00	126.7
6.900	3.91	35.07	0.00	105.6
7.000	3.34	33.35	0.00	90.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.34	3.34	0.00	90.1
7.100	35.20	3.91	0.00	105.7
7.200	34.72	4.69	0.00	126.7
7.300	34.24	5.80	0.00	156.6
7.400	18.27	7.65	0.00	206.4
7.500	11.20	11.19	0.00	302.2
7.600	7.64	18.28	0.00	206.3
7.700	5.80	34.24	0.00	156.5
7.800	4.69	34.72	0.00	126.6
7.900	3.91	35.08	0.00	105.6
8.000	3.34	33.35	0.00	90.0
8.000	3.34	3.33	0.00	90.0
8.100	35.40	3.91	0.00	105.5
8.200	34.92	4.69	0.00	126.5
8.300	34.43	5.79	0.00	156.4
8.400	18.29	7.64	0.00	206.2
8.500	11.21	11.18	0.00	301.9
8.600	7.65	18.26	0.00	206.5
8.700	5.80	34.18	0.00	156.7
8.800	4.70	34.67	0.00	126.8
8.900	3.92	35.02	0.00	105.7
9.000	3.34	33.33	0.00	90.2
9.000	3.34	3.36	0.00	90.2
9.100	31.27	3.94	0.00	106.3
9.200	30.84	4.72	0.00	127.4
9.300	30.41	5.84	0.00	157.6
9.400	18.12	7.71	0.00	208.2
9.500	11.09	11.31	0.00	299.5
9.600	7.58	18.75	0.00	204.7
9.700	5.75	34.18	0.00	155.3
9.800	4.65	34.66	0.00	125.6
9.900	3.89	35.01	0.00	104.9
10.000	3.32	33.18	0.00	89.5

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.32	3.56	0.00	89.5
10.100	186.92	4.07	0.00	109.8
10.200	184.64	4.80	0.00	129.6
10.300	54.68	5.73	0.00	154.7
10.400	26.51	7.12	0.00	192.2
10.500	16.30	9.19	0.00	248.1
10.600	10.78	13.05	0.00	291.1
10.700	8.22	21.45	0.00	222.0
10.800	6.39	39.55	0.00	172.4
10.900	5.11	48.82	0.00	137.9
11.000	4.20	999.00	0.00	113.4

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.100 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
3.200 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
3.300 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
3.400 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
3.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
3.600 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
3.700 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
3.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
3.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.100	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
63.2								
6.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.300	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
89.0								
6.400	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
95.5								
6.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
6.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
6.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
6.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
6.900	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
63.4								
7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
44.2								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I				
	Positive Bending		Negative Bending		Positive Bending		Negative Bending		
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo	
44.2	7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
63.3	7.100	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
78.2	7.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
88.9	7.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
95.3	7.400	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
97.5	7.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
95.2	7.600	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
88.6	7.700	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
77.7	7.800	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
62.7	7.900	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
62.9	8.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
78.2	8.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
89.2	8.300	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
96.1	8.400	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
98.6	8.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
96.7	8.600	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
90.5	8.700	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
80.0	8.800	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
65.4	8.900	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.09	49.13	5.09	49.13	0.00	137.5
1.200	3.03	25.33	3.03	25.33	0.00	81.9
1.300	2.38	17.19	2.38	17.19	0.00	64.2
1.400	2.16	12.97	2.16	12.97	0.00	58.4
1.500	2.24	10.31	2.24	10.31	0.00	60.5
1.600	2.56	8.44	2.56	8.44	0.00	69.1
1.700	3.40	7.01	3.40	7.01	0.00	91.9
1.800	6.29	5.86	6.29	5.86	0.00	158.2
1.900	20.99	4.90	20.99	4.90	0.00	132.3
2.000	19.89	3.19	19.89	3.19	0.00	86.2
2.000	17.10	2.61	17.10	2.61	0.00	70.4
2.100	30.45	3.76	30.45	3.76	0.00	101.6
2.200	6.10	4.68	6.10	4.68	0.00	126.4
2.300	3.39	5.89	3.39	5.89	0.00	91.6
2.400	2.66	7.60	2.66	7.60	0.00	71.8
2.500	2.53	10.35	2.53	10.35	0.00	68.4
2.600	2.63	8.61	2.63	8.61	0.00	70.9
2.700	3.31	6.72	3.31	6.72	0.00	89.3
2.800	5.84	5.38	5.84	5.38	0.00	145.4
2.900	18.40	4.37	18.40	4.37	0.00	118.0
3.000	15.00	2.96	15.00	2.96	0.00	80.0
3.000	15.00	2.96	15.00	2.96	0.00	80.0
3.100	16.31	4.41	16.31	4.41	0.00	119.0
3.200	5.82	5.44	5.82	5.44	0.00	146.9
3.300	3.27	6.80	3.27	6.80	0.00	88.4
3.400	2.59	8.73	2.59	8.73	0.00	69.8
3.500	2.48	11.78	2.48	11.78	0.00	67.0
3.600	2.59	8.68	2.59	8.68	0.00	70.0
3.700	3.29	6.74	3.29	6.74	0.00	88.7
3.800	5.85	5.38	5.85	5.38	0.00	145.3
3.900	18.52	4.35	18.52	4.35	0.00	117.4
4.000	16.99	2.93	16.99	2.93	0.00	79.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	16.99	2.93	16.99	2.93	0.00	79.0
4.100	18.62	4.34	18.62	4.34	0.00	117.3
4.200	5.86	5.37	5.86	5.37	0.00	145.1
4.300	3.29	6.73	3.29	6.73	0.00	88.9
4.400	2.60	8.65	2.60	8.65	0.00	70.2
4.500	2.49	11.74	2.49	11.74	0.00	67.3
4.600	2.60	8.65	2.60	8.65	0.00	70.2
4.700	3.29	6.73	3.29	6.73	0.00	88.8
4.800	5.84	5.38	5.84	5.38	0.00	145.3
4.900	18.49	4.35	18.49	4.35	0.00	117.6
5.000	16.95	2.94	16.95	2.94	0.00	79.3
5.000	16.95	2.94	16.95	2.94	0.00	79.3
5.100	18.50	4.36	18.50	4.36	0.00	117.6
5.200	5.84	5.38	5.84	5.38	0.00	145.4
5.300	3.29	6.74	3.29	6.74	0.00	88.7
5.400	2.60	8.66	2.60	8.66	0.00	70.1
5.500	2.49	11.75	2.49	11.75	0.00	67.2
5.600	2.60	8.66	2.60	8.66	0.00	70.1
5.700	3.29	6.73	3.29	6.73	0.00	88.8
5.800	5.85	5.38	5.85	5.38	0.00	145.3
5.900	18.50	4.35	18.50	4.35	0.00	117.5
6.000	16.97	2.93	16.97	2.93	0.00	79.2
6.000	16.97	2.93	16.97	2.93	0.00	79.2
6.100	18.50	4.35	18.50	4.35	0.00	117.5
6.200	5.85	5.38	5.85	5.38	0.00	145.3
6.300	3.29	6.73	3.29	6.73	0.00	88.8
6.400	2.60	8.66	2.60	8.66	0.00	70.1
6.500	2.49	11.75	2.49	11.75	0.00	67.2
6.600	2.60	8.66	2.60	8.66	0.00	70.1
6.700	3.29	6.74	3.29	6.74	0.00	88.7
6.800	5.84	5.38	5.84	5.38	0.00	145.4
6.900	18.50	4.36	18.50	4.36	0.00	117.6
7.000	16.95	2.94	16.95	2.94	0.00	79.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	16.95	2.94	16.95	2.94	0.00	79.3
7.100	18.49	4.35	18.49	4.35	0.00	117.6
7.200	5.84	5.38	5.84	5.38	0.00	145.3
7.300	3.29	6.73	3.29	6.73	0.00	88.8
7.400	2.60	8.65	2.60	8.65	0.00	70.2
7.500	2.49	11.73	2.49	11.73	0.00	67.3
7.600	2.60	8.65	2.60	8.65	0.00	70.2
7.700	3.29	6.73	3.29	6.73	0.00	88.9
7.800	5.86	5.37	5.86	5.37	0.00	145.1
7.900	18.62	4.34	18.62	4.34	0.00	117.3
8.000	16.99	2.93	16.99	2.93	0.00	79.0
8.000	16.99	2.93	16.99	2.93	0.00	79.0
8.100	18.52	4.35	18.52	4.35	0.00	117.4
8.200	5.85	5.38	5.85	5.38	0.00	145.3
8.300	3.29	6.74	3.29	6.74	0.00	88.7
8.400	2.59	8.68	2.59	8.68	0.00	70.0
8.500	2.48	11.78	2.48	11.78	0.00	67.0
8.600	2.59	8.73	2.59	8.73	0.00	69.8
8.700	3.27	6.80	3.27	6.80	0.00	88.4
8.800	5.82	5.44	5.82	5.44	0.00	146.9
8.900	16.31	4.41	16.31	4.41	0.00	119.0
9.000	15.01	2.96	15.01	2.96	0.00	80.0
9.000	15.01	2.96	15.01	2.96	0.00	80.0
9.100	18.40	4.37	18.40	4.37	0.00	118.0
9.200	5.84	5.38	5.84	5.38	0.00	145.3
9.300	3.31	6.72	3.31	6.72	0.00	89.3
9.400	2.63	8.61	2.63	8.61	0.00	70.9
9.500	2.53	10.35	2.53	10.35	0.00	68.4
9.600	2.66	7.60	2.66	7.60	0.00	71.8
9.700	3.39	5.89	3.39	5.89	0.00	91.6
9.800	6.10	4.68	6.10	4.68	0.00	126.4
9.900	30.45	3.76	30.45	3.76	0.00	101.6
10.000	17.10	2.61	17.10	2.61	0.00	70.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	17.10	2.61	17.10	2.61	0.00	70.4
10.100	20.99	4.90	20.99	4.90	0.00	132.3
10.200	6.29	5.86	6.29	5.86	0.00	158.2
10.300	3.40	7.01	3.40	7.01	0.00	91.9
10.400	2.56	8.44	2.56	8.44	0.00	69.1
10.500	2.24	10.31	2.24	10.31	0.00	60.5
10.600	2.16	12.97	2.16	12.97	0.00	58.4
10.700	2.38	17.19	2.38	17.19	0.00	64.2
10.800	3.03	25.33	3.03	25.33	0.00	81.9
10.900	5.09	49.13	5.09	49.13	0.00	137.5
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	59.15 R	0.00	45.50	0.00
1.200	2.8	23.1	97.55 R	0.00	75.04	0.00
1.300	3.5	28.9	116.99 R	0.00	89.99	0.00
1.400	3.7	30.8	122.83 R	0.00	94.48	0.00
1.500	3.5	28.9	120.06 R	0.00	92.36	0.00
1.600	2.8	22.8	109.76 L	0.00	84.43	0.00
1.700	1.7	12.9	90.21 R	0.00	69.39	0.00
1.800	0.1	-0.9	65.17 R	0.00	50.13	0.00
1.900	-2.0	-18.5	-57.88 L	0.00	-44.52	0.00
2.000	-4.5	-40.0	-81.93 L	0.00	-63.02	0.00
2.000	-4.5	-40.0	-81.93 L	0.00	-63.02	0.00
2.100	-2.6	-21.5	-61.22 L	0.00	-47.09	0.00
2.200	-1.0	-6.9	51.66 R	0.00	39.74	0.00
2.300	0.1	3.9	74.35 R	0.00	57.19	0.00
2.400	0.8	10.8	90.18 R	0.00	69.37	0.00
2.500	1.2	13.9	95.34 R	0.00	73.34	0.00
2.600	1.1	12.8	93.21 L	0.00	71.70	0.00
2.700	0.7	7.8	80.46 R	0.00	61.89	0.00
2.800	-0.1	-0.9	60.55 R	0.00	46.58	0.00
2.900	-1.3	-13.5	-52.04 R	0.00	-40.03	0.00
3.000	-2.9	-30.0	-66.15 L	0.00	-50.88	0.00
3.000	-2.9	-30.0	-66.15 L	0.00	-50.88	0.00
3.100	-1.2	-12.8	-51.81 L	0.00	-39.85	0.00
3.200	0.1	0.5	61.42 L	0.00	47.24	0.00
3.300	1.0	10.0	81.15 L	0.00	62.43	0.00
3.400	1.6	15.7	93.48 R	0.00	71.91	0.00
3.500	1.7	17.5	96.04 L	0.00	73.88	0.00
3.600	1.5	15.2	93.44 L	0.00	71.88	0.00
3.700	0.9	9.0	80.56 R	0.00	61.97	0.00
3.800	-0.1	-1.1	60.54 R	0.00	46.57	0.00
3.900	-1.5	-15.0	-52.05 R	0.00	-40.04	0.00
4.000	-3.3	-32.7	-66.29 R	0.00	-50.99	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-66.29 R 0.00	-50.99 0.00
4.100	-1.6	-15.2	-52.03 L 0.00	-40.02 0.00
4.200	-0.2	-1.5	60.50 L 0.00	46.54 0.00
4.300	0.8	8.4	80.54 L 0.00	61.96 0.00
4.400	1.4	14.4	93.45 R 0.00	71.89 0.00
4.500	1.6	16.5	95.71 R 0.00	73.62 0.00
4.600	1.4	14.5	93.46 L 0.00	71.89 0.00
4.700	0.8	8.7	80.57 R 0.00	61.97 0.00
4.800	-0.1	-1.0	60.54 R 0.00	46.57 0.00
4.900	-1.5	-14.6	-52.05 R 0.00	-40.04 0.00
5.000	-3.2	-32.0	-66.23 R 0.00	-50.95 0.00
5.000	-3.2	-32.0	-66.23 R 0.00	-50.95 0.00
5.100	-1.5	-14.5	-52.05 L 0.00	-40.04 0.00
5.200	-0.1	-0.9	60.54 L 0.00	46.57 0.00
5.300	0.9	8.8	80.57 L 0.00	61.97 0.00
5.400	1.4	14.7	93.46 R 0.00	71.89 0.00
5.500	1.6	16.8	95.71 R 0.00	73.62 0.00
5.600	1.4	14.7	93.46 L 0.00	71.89 0.00
5.700	0.8	8.7	80.57 R 0.00	61.97 0.00
5.800	-0.1	-1.1	60.54 R 0.00	46.57 0.00
5.900	-1.5	-14.7	-52.05 R 0.00	-40.04 0.00
6.000	-3.3	-32.2	-66.23 R 0.00	-50.94 0.00
6.000	-3.3	-32.2	-66.23 R 0.00	-50.94 0.00
6.100	-1.5	-14.7	-52.05 L 0.00	-40.04 0.00
6.200	-0.1	-1.1	60.54 L 0.00	46.57 0.00
6.300	0.8	8.7	80.57 L 0.00	61.98 0.00
6.400	1.4	14.7	93.46 R 0.00	71.89 0.00
6.500	1.6	16.8	95.71 L 0.00	73.62 0.00
6.600	1.4	14.7	93.46 L 0.00	71.89 0.00
6.700	0.9	8.8	80.57 R 0.00	61.97 0.00
6.800	-0.1	-0.9	60.54 R 0.00	46.57 0.00
6.900	-1.5	-14.5	-52.05 R 0.00	-40.04 0.00
7.000	-3.2	-32.0	-66.23 L 0.00	-50.95 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-32.0	-66.23 L	0.00
7.100	-1.5	-14.6	-52.05 L	0.00
7.200	-0.1	-1.0	60.54 L	0.00
7.300	0.8	8.7	80.57 L	0.00
7.400	1.4	14.5	93.46 R	0.00
7.500	1.6	16.5	95.71 L	0.00
7.600	1.4	14.4	93.45 L	0.00
7.700	0.8	8.4	80.54 R	0.00
7.800	-0.2	-1.5	60.50 R	0.00
7.900	-1.6	-15.2	-52.03 R	0.00
8.000	-3.3	-32.7	-66.29 L	0.00
8.000	-3.3	-32.7	-66.29 L	0.00
8.100	-1.5	-15.0	-52.05 L	0.00
8.200	-0.1	-1.1	60.54 L	0.00
8.300	0.9	9.0	80.56 L	0.00
8.400	1.5	15.2	93.44 R	0.00
8.500	1.7	17.5	96.04 R	0.00
8.600	1.6	15.7	93.48 L	0.00
8.700	1.0	10.0	81.15 R	0.00
8.800	0.1	0.5	61.41 R	0.00
8.900	-1.2	-12.8	-51.81 R	0.00
9.000	-2.9	-30.0	-66.15 R	0.00
9.000	-2.9	-30.0	-66.15 R	0.00
9.100	-1.3	-13.5	-52.04 L	0.00
9.200	-0.1	-0.9	60.55 L	0.00
9.300	0.7	7.8	80.46 L	0.00
9.400	1.1	12.8	93.21 R	0.00
9.500	1.2	13.9	95.34 L	0.00
9.600	0.8	10.8	90.18 L	0.00
9.700	0.1	3.9	74.35 L	0.00
9.800	-1.0	-6.9	51.66 L	0.00
9.900	-2.6	-21.5	-61.22 R	0.00
10.000	-4.5	-40.0	-81.93 R	0.00
9.000	-2.9	-30.0	-66.15 R	0.00
9.100	-1.3	-13.5	-52.04 L	0.00
9.200	-0.1	-0.9	60.55 L	0.00
9.300	0.7	7.8	80.46 L	0.00
9.400	1.1	12.8	93.21 R	0.00
9.500	1.2	13.9	95.34 L	0.00
9.600	0.8	10.8	90.18 L	0.00
9.700	0.1	3.9	74.35 L	0.00
9.800	-1.0	-6.9	51.66 L	0.00
9.900	-2.6	-21.5	-61.22 R	0.00
10.000	-4.5	-40.0	-81.93 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-81.93	R 0.00	-63.02	0.00
10.100	-2.0	-18.5	-57.88	R 0.00	-44.52	0.00
10.200	0.1	-0.9	65.17	L 0.00	50.13	0.00
10.300	1.7	12.9	90.21	L 0.00	69.39	0.00
10.400	2.8	22.8	109.76	R 0.00	84.43	0.00
10.500	3.5	28.9	120.06	L 0.00	92.36	0.00
10.600	3.7	30.8	122.83	L 0.00	94.48	0.00
10.700	3.5	28.9	116.99	L 0.00	89.99	0.00
10.800	2.8	23.1	97.55	L 0.00	75.04	0.00
10.900	1.6	13.5	59.15	L 0.00	45.50	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
8	1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
5	1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
0	1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
2	1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
0	1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
3	1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
2	1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
9	1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
2	1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2	2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2	2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
6	2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
7	2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2	2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
7	2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
5	2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2	2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
6	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
8	2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	5.83	54.25	5.14	60.78	0.00
1.200	3.42	28.00	3.01	31.26	0.00
1.300	2.80	19.01	2.45	21.19	0.00
1.400	2.65	14.35	2.32	15.98	0.00
1.500	2.73	11.41	2.39	12.72	0.00
1.600	3.04	9.32	2.68	10.41	0.00
1.700	3.83	7.74	3.38	8.67	0.00
1.800	5.53	6.46	4.91	7.28	0.00
1.900	11.61	5.16	10.39	5.86	0.00
2.000	27.90	3.36	25.12	3.85	0.00
2.000	23.83	2.74	21.62	3.13	0.00
2.100	13.57	3.99	12.23	4.52	0.00
2.200	5.97	5.22	5.35	5.87	0.00
2.300	3.99	6.15	3.56	6.87	0.00
2.400	3.20	6.93	2.85	7.72	0.00
2.500	2.99	7.41	2.66	8.24	0.00
2.600	3.08	7.44	2.73	8.28	0.00
2.700	3.63	6.84	3.23	7.63	0.00
2.800	4.98	5.97	4.45	6.69	0.00
2.900	10.04	4.88	9.03	5.49	0.00
3.000	19.48	3.56	17.61	4.05	0.00
3.000	19.48	3.56	17.61	4.05	0.00
3.100	9.64	4.91	8.66	5.53	0.00
3.200	4.89	6.04	4.36	6.76	0.00
3.300	3.57	6.95	3.17	7.74	0.00
3.400	3.03	7.61	2.69	8.47	0.00
3.500	2.93	7.91	2.60	8.79	0.00
3.600	3.04	7.58	2.70	8.43	0.00
3.700	3.61	6.89	3.21	7.68	0.00
3.800	4.99	5.97	4.46	6.68	0.00
3.900	10.12	4.84	9.10	5.46	0.00
4.000	23.72	3.51	21.47	3.99	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	23.72	3.51	21.47	3.99	0.00	140.4
4.100	10.15	4.84	9.12	5.46	0.00	193.7
4.200	5.00	5.96	4.47	6.67	0.00	178.7
4.300	3.62	6.87	3.22	7.66	0.00	128.9
4.400	3.05	7.55	2.71	8.40	0.00	108.2
4.500	2.95	7.87	2.62	8.74	0.00	104.7
4.600	3.05	7.55	2.70	8.40	0.00	108.2
4.700	3.61	6.88	3.22	7.67	0.00	128.7
4.800	4.99	5.97	4.46	6.68	0.00	178.3
4.900	10.10	4.85	9.08	5.47	0.00	194.1
5.000	23.66	3.53	21.41	4.01	0.00	141.0
5.000	23.66	3.53	21.41	4.01	0.00	141.0
5.100	10.10	4.86	9.08	5.47	0.00	194.2
5.200	4.98	5.97	4.45	6.69	0.00	178.2
5.300	3.61	6.88	3.21	7.67	0.00	128.6
5.400	3.04	7.56	2.70	8.41	0.00	108.1
5.500	2.95	7.87	2.62	8.75	0.00	104.6
5.600	3.04	7.56	2.70	8.41	0.00	108.1
5.700	3.61	6.88	3.22	7.67	0.00	128.6
5.800	4.99	5.97	4.46	6.68	0.00	178.3
5.900	10.11	4.85	9.09	5.47	0.00	194.0
6.000	23.68	3.52	21.43	4.00	0.00	140.8
6.000	23.68	3.52	21.43	4.00	0.00	140.8
6.100	10.11	4.85	9.09	5.47	0.00	194.0
6.200	4.99	5.97	4.46	6.68	0.00	178.3
6.300	3.61	6.88	3.22	7.67	0.00	128.6
6.400	3.04	7.56	2.70	8.41	0.00	108.1
6.500	2.95	7.87	2.62	8.75	0.00	104.6
6.600	3.04	7.56	2.70	8.41	0.00	108.1
6.700	3.61	6.88	3.21	7.67	0.00	128.6
6.800	4.98	5.97	4.45	6.69	0.00	178.2
6.900	10.10	4.86	9.08	5.47	0.00	194.2
7.000	23.58	3.53	21.33	4.01	0.00	141.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	23.58	3.53	21.33	4.01	0.00	141.0
7.100	10.10	4.85	9.08	5.47	0.00	194.1
7.200	4.99	5.97	4.46	6.68	0.00	178.3
7.300	3.61	6.88	3.22	7.67	0.00	128.7
7.400	3.05	7.55	2.70	8.40	0.00	108.2
7.500	2.95	7.87	2.62	8.74	0.00	104.7
7.600	3.05	7.55	2.71	8.40	0.00	108.2
7.700	3.62	6.87	3.22	7.66	0.00	128.9
7.800	5.00	5.96	4.47	6.67	0.00	178.7
7.900	10.15	4.84	9.12	5.46	0.00	193.7
8.000	23.72	3.51	21.47	3.99	0.00	140.4
8.000	23.72	3.51	21.47	3.99	0.00	140.4
8.100	10.12	4.84	9.10	5.46	0.00	193.8
8.200	4.99	5.97	4.46	6.68	0.00	178.3
8.300	3.61	6.89	3.21	7.68	0.00	128.5
8.400	3.04	7.58	2.70	8.43	0.00	107.9
8.500	2.93	7.91	2.60	8.79	0.00	103.9
8.600	3.03	7.61	2.69	8.47	0.00	107.6
8.700	3.57	6.95	3.17	7.74	0.00	127.0
8.800	4.89	6.04	4.36	6.76	0.00	174.6
8.900	9.64	4.91	8.66	5.53	0.00	196.6
9.000	19.48	3.56	17.61	4.05	0.00	142.5
9.000	19.48	3.56	17.61	4.05	0.00	142.5
9.100	10.04	4.88	9.03	5.49	0.00	195.0
9.200	4.98	5.97	4.45	6.69	0.00	178.2
9.300	3.63	6.84	3.23	7.63	0.00	129.3
9.400	3.08	7.44	2.73	8.28	0.00	109.3
9.500	2.99	7.41	2.66	8.24	0.00	106.4
9.600	3.20	6.93	2.85	7.72	0.00	114.0
9.700	3.99	6.15	3.56	6.87	0.00	142.4
9.800	5.97	5.22	5.35	5.86	0.00	208.9
9.900	13.57	3.99	12.23	4.52	0.00	159.8
10.000	23.83	2.74	21.62	3.13	0.00	109.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	27.90	2.74	21.62	3.85	0.00	109.5
10.100	11.61	5.16	10.39	5.86	0.00	206.6
10.200	5.53	6.46	4.91	7.28	0.00	196.6
10.300	3.83	7.74	3.38	8.67	0.00	135.2
10.400	3.04	9.32	2.68	10.41	0.00	107.1
10.500	2.73	11.41	2.39	12.72	0.00	95.6
10.600	2.65	14.35	2.32	15.98	0.00	92.8
10.700	2.80	19.01	2.45	21.19	0.00	98.2
10.800	3.42	28.00	3.01	31.26	0.00	120.4
10.900	5.83	54.24	5.14	60.78	0.00	205.8
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	27.99	0.00	21.53	0.00
1.100	0.6	4.6	23.66	0.00	18.20	0.00
1.200	0.4	3.1	19.51	0.00	15.01	0.00
1.300	0.2	1.5	15.60	0.00	12.00	0.00
1.400	0.0	0.0	-12.27	0.00	-9.44	0.00
1.500	-0.2	-1.6	-14.97	0.00	-11.52	0.00
1.600	-0.4	-3.2	-17.52	0.00	-13.48	0.00
1.700	-0.5	-4.7	-20.67	0.00	-15.90	0.00
1.800	-0.7	-6.3	-24.15	0.00	-18.58	0.00
1.900	-0.9	-7.8	-27.42	0.00	-21.09	0.00
2.000	-1.1	-9.4	-30.41	0.00	-23.39	0.00
2.000	0.8	-9.4	29.85	0.00	22.96	0.00
2.100	0.7	6.6	26.19	0.00	20.15	0.00
2.200	0.5	5.1	22.39	0.00	17.22	0.00
2.300	0.4	3.5	18.72	0.00	14.40	0.00
2.400	0.2	2.0	15.88	0.00	12.22	0.00
2.500	0.1	0.5	12.98	0.00	9.99	0.00
2.600	-0.1	-1.2	-14.92	0.00	-11.48	0.00
2.700	-0.2	-2.7	-18.31	0.00	-14.09	0.00
2.800	-0.4	-4.3	-21.87	0.00	-16.82	0.00
2.900	-0.6	-5.8	-25.45	0.00	-19.58	0.00
3.000	-0.7	-7.3	-28.86	0.00	-22.20	0.00
3.000	0.8	7.7	28.84	0.00	22.18	0.00
3.100	0.6	6.1	25.47	0.00	19.59	0.00
3.200	0.5	4.6	21.92	0.00	16.86	0.00
3.300	0.3	3.0	18.36	0.00	14.13	0.00
3.400	0.1	1.5	14.97	0.00	11.51	0.00
3.500	0.0	-0.1	-12.22	0.00	-9.40	0.00
3.600	-0.2	-1.7	-14.97	0.00	-11.51	0.00
3.700	-0.3	-3.2	-18.36	0.00	-14.12	0.00
3.800	-0.5	-4.8	-21.92	0.00	-16.86	0.00
3.900	-0.6	-6.3	-25.49	0.00	-19.61	0.00
4.000	-0.8	-7.9	-28.89	0.00	-22.22	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	28.90	0.00	22.23	0.00
4.100	0.6	6.2	25.50	0.00	19.61	0.00
4.200	0.5	4.7	21.92	0.00	16.86	0.00
4.300	0.3	3.2	18.36	0.00	14.13	0.00
4.400	0.2	1.6	14.97	0.00	11.52	0.00
4.500	0.0	0.1	12.22	0.00	9.40	0.00
4.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
4.700	-0.3	-3.1	-18.36	0.00	-14.13	0.00
4.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
4.900	-0.6	-6.2	-25.49	0.00	-19.61	0.00
5.000	-0.8	-7.7	-28.89	0.00	-22.23	0.00
5.000	0.8	7.7	28.89	0.00	22.23	0.00
5.100	0.6	6.2	25.49	0.00	19.61	0.00
5.200	0.5	4.7	21.92	0.00	16.86	0.00
5.300	0.3	3.1	18.36	0.00	14.13	0.00
5.400	0.2	1.6	14.97	0.00	11.52	0.00
5.500	0.0	0.1	12.22	0.00	9.40	0.00
5.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
5.700	-0.3	-3.2	-18.36	0.00	-14.13	0.00
5.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
5.900	-0.6	-6.2	-25.49	0.00	-19.61	0.00
6.000	-0.8	-7.8	-28.89	0.00	-22.23	0.00
6.000	0.8	7.8	28.89	0.00	22.23	0.00
6.100	0.6	6.2	25.49	0.00	19.61	0.00
6.200	0.5	4.7	21.92	0.00	16.86	0.00
6.300	0.3	3.2	18.36	0.00	14.13	0.00
6.400	0.2	1.6	14.97	0.00	11.52	0.00
6.500	0.0	0.1	12.22	0.00	9.40	0.00
6.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
6.700	-0.3	-3.1	-18.36	0.00	-14.13	0.00
6.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
6.900	-0.6	-6.2	-25.49	0.00	-19.61	0.00
7.000	-0.8	-7.7	-28.89	0.00	-22.23	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	28.89	0.00	22.23	0.00
7.100	0.6	6.2	25.49	0.00	19.61	0.00
7.200	0.5	4.7	21.92	0.00	16.86	0.00
7.300	0.3	3.1	18.36	0.00	14.13	0.00
7.400	0.2	1.6	14.97	0.00	11.52	0.00
7.500	0.0	0.1	12.22	0.00	9.40	0.00
7.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
7.700	-0.3	-3.2	-18.36	0.00	-14.13	0.00
7.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
7.900	-0.6	-6.2	-25.50	0.00	-19.61	0.00
8.000	-0.8	-7.8	-28.90	0.00	-22.23	0.00
8.000	0.8	7.9	28.89	0.00	22.22	0.00
8.100	0.6	6.3	25.49	0.00	19.61	0.00
8.200	0.5	4.8	21.92	0.00	16.86	0.00
8.300	0.3	3.2	18.36	0.00	14.12	0.00
8.400	0.2	1.7	14.97	0.00	11.51	0.00
8.500	0.0	0.2	12.22	0.00	9.40	0.00
8.600	-0.1	-1.5	-14.97	0.00	-11.51	0.00
8.700	-0.3	-3.0	-18.36	0.00	-14.13	0.00
8.800	-0.5	-4.6	-21.92	0.00	-16.86	0.00
8.900	-0.6	-6.1	-25.47	0.00	-19.59	0.00
9.000	-0.8	-7.7	-28.84	0.00	-22.18	0.00
9.000	0.7	-7.7	28.86	0.00	22.20	0.00
9.100	0.6	5.8	25.45	0.00	19.58	0.00
9.200	0.4	4.3	21.87	0.00	16.82	0.00
9.300	0.2	2.7	18.31	0.00	14.09	0.00
9.400	0.1	1.2	14.92	0.00	11.48	0.00
9.500	-0.1	-0.4	-12.98	0.00	-9.99	0.00
9.600	-0.2	-2.0	-15.45	0.00	-11.88	0.00
9.700	-0.4	-3.5	-18.72	0.00	-14.40	0.00
9.800	-0.5	-5.1	-22.39	0.00	-17.22	0.00
9.900	-0.7	-6.6	-26.19	0.00	-20.15	0.00
10.000	-0.8	-8.1	-29.69	0.00	-22.84	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	30.41	0.00	23.39	0.00
10.100	0.9	7.8	27.42	0.00	21.09	0.00
10.200	0.7	6.3	24.15	0.00	18.58	0.00
10.300	0.5	4.7	20.67	0.00	15.90	0.00
10.400	0.4	3.2	17.52	0.00	13.48	0.00
10.500	0.2	1.7	14.97	0.00	11.52	0.00
10.600	0.0	0.0	12.27	0.00	9.44	0.00
10.700	-0.2	-1.5	-15.60	0.00	-12.00	0.00
10.800	-0.4	-3.1	-19.51	0.00	-15.01	0.00
10.900	-0.6	-4.6	-23.66	0.00	-18.20	0.00
11.000	-0.7	-6.2	-27.99	0.00	-21.53	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	60.60	4.48	0.00	179.3
1.100	33.50	5.38	0.00	215.0
1.200	21.49	6.61	0.00	264.3
1.300	14.27	8.38	0.00	335.0
1.400	10.79	10.89	0.00	431.5
1.500	8.73	14.37	0.00	349.0
1.600	7.35	19.49	0.00	294.0
1.700	6.15	28.80	0.00	245.9
1.800	5.19	49.75	0.00	207.6
1.900	4.51	126.98	0.00	180.4
2.000	4.01	246.53	0.00	160.4
2.000	4.01	3.60	0.00	143.9
2.100	35.13	4.16	0.00	166.6
2.200	23.13	4.95	0.00	197.9
2.300	16.43	6.01	0.00	240.3
2.400	12.31	7.19	0.00	287.5
2.500	9.61	8.92	0.00	357.0
2.600	7.71	11.19	0.00	308.6
2.700	6.19	14.70	0.00	247.7
2.800	5.11	20.61	0.00	204.3
2.900	4.32	31.51	0.00	172.9
3.000	3.75	36.12	0.00	150.1
3.000	3.75	3.74	0.00	149.8
3.100	34.94	4.31	0.00	172.2
3.200	22.95	5.08	0.00	203.2
3.300	16.27	6.16	0.00	246.2
3.400	12.19	7.66	0.00	306.6
3.500	9.52	9.56	0.00	380.8
3.600	7.65	12.24	0.00	306.0
3.700	6.14	16.34	0.00	245.8
3.800	5.07	23.06	0.00	202.8
3.900	4.29	35.16	0.00	171.7
4.000	3.73	46.65	0.00	149.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.73	3.73	0.00	149.1
4.100	35.00	4.30	0.00	171.8
4.200	22.98	5.07	0.00	202.9
4.300	16.29	6.15	0.00	245.9
4.400	12.20	7.65	0.00	306.1
4.500	9.53	9.51	0.00	380.5
4.600	7.66	12.19	0.00	306.3
4.700	6.15	16.28	0.00	246.0
4.800	5.07	22.97	0.00	203.0
4.900	4.30	34.99	0.00	171.9
5.000	3.73	43.45	0.00	149.3
5.000	3.73	3.73	0.00	149.3
5.100	34.99	4.30	0.00	171.9
5.200	22.97	5.07	0.00	203.0
5.300	16.28	6.15	0.00	246.0
5.400	12.19	7.66	0.00	306.3
5.500	9.53	9.52	0.00	380.7
5.600	7.66	12.19	0.00	306.2
5.700	6.15	16.28	0.00	245.9
5.800	5.07	22.97	0.00	202.9
5.900	4.30	34.99	0.00	171.8
6.000	3.73	43.61	0.00	149.3
6.000	3.73	3.73	0.00	149.3
6.100	34.99	4.30	0.00	171.8
6.200	22.97	5.07	0.00	202.9
6.300	16.28	6.15	0.00	245.9
6.400	12.19	7.66	0.00	306.2
6.500	9.53	9.52	0.00	380.6
6.600	7.66	12.19	0.00	306.3
6.700	6.15	16.28	0.00	246.0
6.800	5.07	22.97	0.00	203.0
6.900	4.30	34.99	0.00	171.9
7.000	3.73	43.61	0.00	149.3

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.73	3.73	0.00	149.3
7.100	34.99	4.30	0.00	171.9
7.200	22.97	5.07	0.00	203.0
7.300	16.28	6.15	0.00	246.0
7.400	12.19	7.66	0.00	306.3
7.500	9.52	9.52	0.00	380.8
7.600	7.65	12.20	0.00	306.1
7.700	6.15	16.29	0.00	245.9
7.800	5.07	22.98	0.00	202.9
7.900	4.30	35.00	0.00	171.8
8.000	3.73	43.61	0.00	149.2
8.000	3.73	3.73	0.00	149.1
8.100	35.16	4.29	0.00	171.7
8.200	23.06	5.07	0.00	202.8
8.300	16.34	6.14	0.00	245.8
8.400	12.24	7.65	0.00	306.0
8.500	9.56	9.51	0.00	380.4
8.600	7.66	12.19	0.00	306.6
8.700	6.16	16.27	0.00	246.2
8.800	5.08	22.95	0.00	203.2
8.900	4.31	34.94	0.00	172.2
9.000	3.74	43.59	0.00	149.8
9.000	3.74	3.75	0.00	149.8
9.100	31.51	4.32	0.00	172.9
9.200	20.61	5.11	0.00	204.3
9.300	14.70	6.19	0.00	247.7
9.400	11.19	7.71	0.00	308.6
9.500	8.93	9.60	0.00	357.4
9.600	7.39	12.31	0.00	295.6
9.700	6.01	16.43	0.00	240.3
9.800	4.95	23.13	0.00	197.9
9.900	4.16	35.13	0.00	166.6
10.000	3.62	43.40	0.00	144.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.62	4.01	0.00	144.7
10.100	126.98	4.51	0.00	180.4
10.200	49.75	5.19	0.00	207.6
10.300	28.80	6.15	0.00	245.9
10.400	19.49	7.35	0.00	294.0
10.500	14.39	8.72	0.00	348.7
10.600	10.89	10.79	0.00	431.5
10.700	8.38	14.27	0.00	335.0
10.800	6.61	21.49	0.00	264.3
10.900	5.38	33.50	0.00	215.0
11.000	4.48	999.00	0.00	179.3

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
 Rating Live Load: 5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.100	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
65.4								
3.200	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
80.0								
3.300	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
90.5								
3.400	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
96.7								
3.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
98.6								
3.600	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
96.1								
3.700	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
89.2								
3.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
3.900	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
4.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
7.100 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
7.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
7.300 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
7.400 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
7.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
7.600 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
7.700 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
7.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
7.900 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.100 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
8.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
8.300 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
8.400 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
8.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
8.600 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
8.700 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
8.800 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
8.900 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.36	56.32	5.36	56.32	0.00	214.4
1.200	3.14	29.03	3.14	29.03	0.00	125.6
1.300	2.56	19.70	2.56	19.70	0.00	102.5
1.400	2.42	14.87	2.42	14.87	0.00	97.0
1.500	2.50	11.82	2.50	11.82	0.00	99.9
1.600	2.79	9.67	2.79	9.67	0.00	111.7
1.700	3.52	8.03	3.52	8.03	0.00	140.9
1.800	5.11	6.72	5.11	6.72	0.00	204.4
1.900	10.77	5.39	10.77	5.39	0.00	215.4
2.000	26.01	3.51	26.01	3.51	0.00	140.5
2.000	22.36	2.87	22.36	2.87	0.00	114.7
2.100	12.68	4.17	12.68	4.17	0.00	166.8
2.200	5.56	5.44	5.56	5.44	0.00	217.6
2.300	3.70	6.39	3.70	6.39	0.00	148.2
2.400	2.97	7.20	2.97	7.20	0.00	118.8
2.500	2.77	7.69	2.77	7.69	0.00	110.9
2.600	2.85	7.72	2.85	7.72	0.00	113.9
2.700	3.37	7.11	3.37	7.11	0.00	134.6
2.800	4.63	6.21	4.63	6.21	0.00	185.3
2.900	9.37	5.08	9.37	5.08	0.00	203.3
3.000	18.24	3.73	18.24	3.73	0.00	149.0
3.000	18.24	3.73	18.24	3.73	0.00	149.0
3.100	8.99	5.12	8.99	5.12	0.00	204.9
3.200	4.54	6.28	4.54	6.28	0.00	181.6
3.300	3.31	7.21	3.31	7.21	0.00	132.3
3.400	2.80	7.90	2.80	7.90	0.00	112.2
3.500	2.71	8.20	2.71	8.20	0.00	108.4
3.600	2.81	7.86	2.81	7.86	0.00	112.5
3.700	3.35	7.15	3.35	7.15	0.00	133.8
3.800	4.64	6.21	4.64	6.21	0.00	185.4
3.900	9.44	5.05	9.44	5.05	0.00	202.0
4.000	22.22	3.67	22.22	3.67	0.00	146.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	22.22	3.67	22.22	3.67	0.00	146.9
4.100	9.47	5.05	9.47	5.05	0.00	201.9
4.200	4.65	6.20	4.65	6.20	0.00	185.8
4.300	3.36	7.14	3.36	7.14	0.00	134.2
4.400	2.82	7.84	2.82	7.84	0.00	112.8
4.500	2.73	8.16	2.73	8.16	0.00	109.2
4.600	2.82	7.84	2.82	7.84	0.00	112.8
4.700	3.35	7.14	3.35	7.14	0.00	134.0
4.800	4.63	6.21	4.63	6.21	0.00	185.4
4.900	9.43	5.06	9.43	5.06	0.00	202.4
5.000	22.17	3.69	22.17	3.69	0.00	147.5
5.000	22.17	3.69	22.17	3.69	0.00	147.5
5.100	9.43	5.06	9.43	5.06	0.00	202.4
5.200	4.63	6.21	4.63	6.21	0.00	185.3
5.300	3.35	7.15	3.35	7.15	0.00	133.9
5.400	2.82	7.84	2.82	7.84	0.00	112.7
5.500	2.73	8.17	2.73	8.17	0.00	109.1
5.600	2.82	7.84	2.82	7.84	0.00	112.7
5.700	3.35	7.14	3.35	7.14	0.00	134.0
5.800	4.64	6.21	4.64	6.21	0.00	185.4
5.900	9.43	5.06	9.43	5.06	0.00	202.3
6.000	22.19	3.68	22.19	3.68	0.00	147.3
6.000	22.19	3.68	22.19	3.68	0.00	147.3
6.100	9.43	5.06	9.43	5.06	0.00	202.3
6.200	4.64	6.21	4.64	6.21	0.00	185.4
6.300	3.35	7.14	3.35	7.14	0.00	134.0
6.400	2.82	7.84	2.82	7.84	0.00	112.7
6.500	2.73	8.17	2.73	8.17	0.00	109.1
6.600	2.82	7.84	2.82	7.84	0.00	112.7
6.700	3.35	7.15	3.35	7.15	0.00	133.9
6.800	4.63	6.21	4.63	6.21	0.00	185.3
6.900	9.43	5.06	9.43	5.06	0.00	202.4
7.000	22.09	3.69	22.09	3.69	0.00	147.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	22.09	3.69	22.09	3.69	0.00	147.5
7.100	9.43	5.06	9.43	5.06	0.00	202.4
7.200	4.63	6.21	4.63	6.21	0.00	185.4
7.300	3.35	7.14	3.35	7.14	0.00	134.0
7.400	2.82	7.84	2.82	7.84	0.00	112.8
7.500	2.73	8.16	2.73	8.16	0.00	109.2
7.600	2.82	7.84	2.82	7.84	0.00	112.8
7.700	3.36	7.14	3.36	7.14	0.00	134.2
7.800	4.65	6.20	4.65	6.20	0.00	185.8
7.900	9.47	5.05	9.47	5.05	0.00	201.9
8.000	22.22	3.67	22.22	3.67	0.00	146.9
8.000	22.22	3.67	22.22	3.67	0.00	146.9
8.100	9.44	5.05	9.44	5.05	0.00	202.0
8.200	4.64	6.21	4.64	6.21	0.00	185.4
8.300	3.35	7.15	3.35	7.15	0.00	133.8
8.400	2.81	7.86	2.81	7.86	0.00	112.5
8.500	2.71	8.20	2.71	8.20	0.00	108.4
8.600	2.80	7.90	2.80	7.90	0.00	112.2
8.700	3.31	7.21	3.31	7.21	0.00	132.3
8.800	4.54	6.28	4.54	6.28	0.00	181.6
8.900	8.99	5.12	8.99	5.12	0.00	204.9
9.000	18.24	3.73	18.24	3.73	0.00	149.0
9.000	18.24	3.73	18.24	3.73	0.00	149.0
9.100	9.37	5.08	9.37	5.08	0.00	203.3
9.200	4.63	6.21	4.63	6.21	0.00	185.3
9.300	3.37	7.11	3.37	7.11	0.00	134.6
9.400	2.85	7.72	2.85	7.72	0.00	113.9
9.500	2.77	7.69	2.77	7.69	0.00	110.9
9.600	2.97	7.20	2.97	7.20	0.00	118.8
9.700	3.70	6.39	3.70	6.39	0.00	148.2
9.800	5.56	5.44	5.56	5.44	0.00	217.5
9.900	12.68	4.17	12.68	4.17	0.00	166.8
10.000	22.36	2.87	22.36	2.87	0.00	114.7

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	22.36	2.87	22.36	2.87	0.00	114.7
10.100	10.77	5.39	10.77	5.39	0.00	215.4
10.200	5.11	6.72	5.11	6.72	0.00	204.4
10.300	3.52	8.03	3.52	8.03	0.00	140.9
10.400	2.79	9.67	2.79	9.67	0.00	111.7
10.500	2.50	11.82	2.50	11.82	0.00	99.9
10.600	2.42	14.87	2.42	14.87	0.00	97.0
10.700	2.56	19.70	2.56	19.70	0.00	102.5
10.800	3.14	29.03	3.14	29.03	0.00	125.6
10.900	5.36	56.32	5.36	56.32	0.00	214.4
11.000	999.00	999.00	999.00	999.00	0.00	999.0

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction SS
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 10

Live Load Distribution Factor 1.272

Second Live Load Dist. Factor 1.272

Comments:

Member I. D.	S03					Symmetry:
Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5	
	25.000	25.000	25.000	25.000	25.000	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	25.000	25.000	25.000	25.000	25.000	

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	25.000	1	0		0.0	0.0
2	1	25.000	2	0		0.0	0.0
3	1	25.000	2	0		0.0	0.0
4	1	25.000	2	0		0.0	0.0
5	1	25.000	2	0		0.0	0.0
6	1	25.000	2	0		0.0	0.0
7	1	25.000	2	0		0.0	0.0
8	1	25.000	2	0		0.0	0.0
9	1	25.000	2	0		0.0	0.0
10	1	25.000	1	0		0.0	0.0

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	0.000	688.0	688.0	25.000	0.0
1	P	12.500	0.0	0.0	0.000	0.1
2	W	0.000	688.0	688.0	25.000	0.0
2	P	12.500	0.0	0.0	0.000	0.1
3	W	0.000	688.0	688.0	25.000	0.0
3	P	12.500	0.0	0.0	0.000	0.1
4	W	0.000	688.0	688.0	25.000	0.0
4	P	12.500	0.0	0.0	0.000	0.1
5	W	0.000	688.0	688.0	25.000	0.0
5	P	12.500	0.0	0.0	0.000	0.1
6	W	0.000	688.0	688.0	25.000	0.0
6	P	12.500	0.0	0.0	0.000	0.1
7	W	0.000	688.0	688.0	25.000	0.0
7	P	12.500	0.0	0.0	0.000	0.1
8	W	0.000	688.0	688.0	25.000	0.0
8	P	12.500	0.0	0.0	0.000	0.1

9	W	0.000	688.0	688.0	25.000	0.0
9	P	12.500	0.0	0.0	0.000	0.1
10	W	0.000	688.0	688.0	25.000	0.0
10	P	12.500	0.0	0.0	0.000	0.1

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D. S03						
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
1.000	21.24	19.76	0.46	0.0	0.0	33.
1.100	21.24	19.76	0.46	0.0	0.0	33.
1.200	21.24	19.76	0.46	0.0	0.0	33.
1.300	21.24	19.76	0.46	0.0	0.0	33.
1.400	21.24	19.76	0.46	0.0	0.0	33.
1.500	21.24	19.76	0.46	0.0	0.0	33.
1.600	21.24	19.76	0.46	0.0	0.0	33.
1.700	21.24	19.76	0.46	0.0	0.0	33.
1.800	21.24	19.76	0.46	0.0	0.0	33.
1.900	21.24	19.76	0.46	0.0	0.0	33.
2.000	21.24	19.76	0.46	0.0	0.0	33.
2.000	20.99	19.76	0.40	0.0	0.0	33.
2.100	20.99	19.76	0.40	0.0	0.0	33.
2.200	20.99	19.76	0.40	0.0	0.0	33.
2.300	20.99	19.76	0.40	0.0	0.0	33.
2.400	20.99	19.76	0.40	0.0	0.0	33.
2.500	20.99	19.76	0.40	0.0	0.0	33.
2.600	20.99	19.76	0.40	0.0	0.0	33.
2.700	20.99	19.76	0.40	0.0	0.0	33.
2.800	20.99	19.76	0.40	0.0	0.0	33.
2.900	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.100	20.99	19.76	0.40	0.0	0.0	33.
3.200	20.99	19.76	0.40	0.0	0.0	33.
3.300	20.99	19.76	0.40	0.0	0.0	33.
3.400	20.99	19.76	0.40	0.0	0.0	33.
3.500	20.99	19.76	0.40	0.0	0.0	33.
3.600	20.99	19.76	0.40	0.0	0.0	33.
3.700	20.99	19.76	0.40	0.0	0.0	33.
3.800	20.99	19.76	0.40	0.0	0.0	33.
3.900	20.99	19.76	0.40	0.0	0.0	33.
4.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.		S03				
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
4.000	20.99	19.76	0.40	0.0	0.0	33.
4.100	20.99	19.76	0.40	0.0	0.0	33.
4.200	20.99	19.76	0.40	0.0	0.0	33.
4.300	20.99	19.76	0.40	0.0	0.0	33.
4.400	20.99	19.76	0.40	0.0	0.0	33.
4.500	20.99	19.76	0.40	0.0	0.0	33.
4.600	20.99	19.76	0.40	0.0	0.0	33.
4.700	20.99	19.76	0.40	0.0	0.0	33.
4.800	20.99	19.76	0.40	0.0	0.0	33.
4.900	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.100	20.99	19.76	0.40	0.0	0.0	33.
5.200	20.99	19.76	0.40	0.0	0.0	33.
5.300	20.99	19.76	0.40	0.0	0.0	33.
5.400	20.99	19.76	0.40	0.0	0.0	33.
5.500	20.99	19.76	0.40	0.0	0.0	33.
5.600	20.99	19.76	0.40	0.0	0.0	33.
5.700	20.99	19.76	0.40	0.0	0.0	33.
5.800	20.99	19.76	0.40	0.0	0.0	33.
5.900	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.100	20.99	19.76	0.40	0.0	0.0	33.
6.200	20.99	19.76	0.40	0.0	0.0	33.
6.300	20.99	19.76	0.40	0.0	0.0	33.
6.400	20.99	19.76	0.40	0.0	0.0	33.
6.500	20.99	19.76	0.40	0.0	0.0	33.
6.600	20.99	19.76	0.40	0.0	0.0	33.
6.700	20.99	19.76	0.40	0.0	0.0	33.
6.800	20.99	19.76	0.40	0.0	0.0	33.
6.900	20.99	19.76	0.40	0.0	0.0	33.
7.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S03

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
7.000	20.99	19.76	0.40	0.0	0.0	33.
7.100	20.99	19.76	0.40	0.0	0.0	33.
7.200	20.99	19.76	0.40	0.0	0.0	33.
7.300	20.99	19.76	0.40	0.0	0.0	33.
7.400	20.99	19.76	0.40	0.0	0.0	33.
7.500	20.99	19.76	0.40	0.0	0.0	33.
7.600	20.99	19.76	0.40	0.0	0.0	33.
7.700	20.99	19.76	0.40	0.0	0.0	33.
7.800	20.99	19.76	0.40	0.0	0.0	33.
7.900	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.100	20.99	19.76	0.40	0.0	0.0	33.
8.200	20.99	19.76	0.40	0.0	0.0	33.
8.300	20.99	19.76	0.40	0.0	0.0	33.
8.400	20.99	19.76	0.40	0.0	0.0	33.
8.500	20.99	19.76	0.40	0.0	0.0	33.
8.600	20.99	19.76	0.40	0.0	0.0	33.
8.700	20.99	19.76	0.40	0.0	0.0	33.
8.800	20.99	19.76	0.40	0.0	0.0	33.
8.900	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.100	20.99	19.76	0.40	0.0	0.0	33.
9.200	20.99	19.76	0.40	0.0	0.0	33.
9.300	20.99	19.76	0.40	0.0	0.0	33.
9.400	20.99	19.76	0.40	0.0	0.0	33.
9.500	20.99	19.76	0.40	0.0	0.0	33.
9.600	20.99	19.76	0.40	0.0	0.0	33.
9.700	20.99	19.76	0.40	0.0	0.0	33.
9.800	20.99	19.76	0.40	0.0	0.0	33.
9.900	20.99	19.76	0.40	0.0	0.0	33.
10.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S03

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
10.000	21.24	19.76	0.46	0.0	0.0	33.
10.100	21.24	19.76	0.46	0.0	0.0	33.
10.200	21.24	19.76	0.46	0.0	0.0	33.
10.300	21.24	19.76	0.46	0.0	0.0	33.
10.400	21.24	19.76	0.46	0.0	0.0	33.
10.500	21.24	19.76	0.46	0.0	0.0	33.
10.600	21.24	19.76	0.46	0.0	0.0	33.
10.700	21.24	19.76	0.46	0.0	0.0	33.
10.800	21.24	19.76	0.46	0.0	0.0	33.
10.900	21.24	19.76	0.46	0.0	0.0	33.
11.000	21.24	19.76	0.46	0.0	0.0	33.

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S03

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
1.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S03

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S03

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
10.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S03

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend Top	Bott.
10.000	21.50	21.50	10.60	10.60	1600.0	1600.0	127.0	127.0	127.0	127.0
10.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
11.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	15.0	74.46 L	46.51	57.28	35.77
1.200	2.8	25.8	121.14 L	79.47	93.18	61.13
1.300	3.5	32.2	142.83 L	101.42	109.87	78.01
1.400	3.7	34.4	143.13 L	110.70	110.10	85.15
1.500	3.5	32.2	134.99 L	110.27	103.84	84.83
1.600	2.8	25.4	128.16 L	98.93	98.59	76.10
1.700	1.7	14.4	110.76 L	80.07	85.20	61.59
1.800	0.1	-1.0	71.18 L	52.92	54.76	40.70
1.900	-2.0	-20.7	-69.02 L	-64.36	-53.10	-49.51
2.000	-4.5	-44.7	-115.68 L	-106.66	-88.99	-82.05
2.000	-4.5	-44.7	-115.68 L	-106.66	-88.99	-82.05
2.100	-2.6	-24.0	-75.60 R	-65.20	-58.15	-50.15
2.200	-1.0	-7.7	65.10 R	45.48	50.07	34.99
2.300	0.1	4.3	95.41 R	68.82	73.39	52.94
2.400	0.8	12.0	107.38 R	83.25	82.60	64.04
2.500	1.2	15.5	105.00 L	89.43	80.77	68.79
2.600	1.1	14.3	107.17 L	84.82	82.44	65.25
2.700	0.7	8.8	95.90 L	71.92	73.77	55.32
2.800	-0.1	-1.0	66.18 L	50.41	50.90	38.78
2.900	-1.3	-15.1	-65.66 L	-59.35	-50.51	-45.66
3.000	-2.9	-33.5	-109.54 L	-99.28	-84.26	-76.37
3.000	-2.9	-33.5	-109.54 L	-99.28	-84.26	-76.37
3.100	-1.2	-14.3	-65.31 R	-58.86	-50.24	-45.28
3.200	0.1	0.6	66.06 R	50.05	50.82	38.50
3.300	1.0	11.2	96.18 R	72.77	73.98	55.97
3.400	1.6	17.5	107.91 R	86.39	83.01	66.46
3.500	1.7	19.5	105.35 R	91.75	81.04	70.58
3.600	1.5	16.9	107.95 L	86.32	83.04	66.40
3.700	0.9	10.0	96.23 L	72.61	74.03	55.85
3.800	-0.1	-1.2	66.14 L	50.36	50.88	38.74
3.900	-1.5	-16.7	-65.64 L	-60.21	-50.49	-46.31
4.000	-3.3	-36.5	-109.67 L	-100.89	-84.36	-77.60

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-36.5	-109.67 L	-100.89	-84.36	-77.60
4.100	-1.6	-16.9	-65.61 R	-60.27	-50.47	-46.36
4.200	-0.2	-1.6	66.13 R	49.52	50.87	38.09
4.300	0.8	9.4	96.23 R	72.33	74.03	55.64
4.400	1.4	16.1	107.95 R	86.05	83.04	66.19
4.500	1.6	18.5	105.37 R	91.50	81.05	70.38
4.600	1.4	16.2	107.95 L	86.15	83.04	66.27
4.700	0.8	9.7	96.24 L	72.53	74.03	55.79
4.800	-0.1	-1.1	66.14 L	50.38	50.88	38.76
4.900	-1.5	-16.3	-65.63 L	-60.10	-50.49	-46.23
5.000	-3.2	-35.7	-109.68 L	-100.68	-84.37	-77.45
5.000	-3.2	-35.7	-109.68 L	-100.68	-84.37	-77.45
5.100	-1.5	-16.2	-65.63 R	-60.09	-50.49	-46.22
5.200	-0.1	-1.0	66.14 R	49.83	50.88	38.33
5.300	0.9	9.9	96.24 R	72.59	74.03	55.84
5.400	1.4	16.4	107.95 R	86.25	83.04	66.34
5.500	1.6	18.7	105.37 L	91.64	81.05	70.49
5.600	1.4	16.4	107.95 L	86.23	83.04	66.33
5.700	0.8	9.7	96.24 L	72.56	74.03	55.82
5.800	-0.1	-1.2	66.14 L	50.36	50.88	38.74
5.900	-1.5	-16.4	-65.63 L	-60.17	-50.49	-46.28
6.000	-3.3	-36.0	-109.68 R	-100.81	-84.37	-77.54
6.000	-3.3	-36.0	-109.68 R	-100.81	-84.37	-77.54
6.100	-1.5	-16.4	-65.63 R	-60.20	-50.49	-46.30
6.200	-0.1	-1.2	66.14 R	49.79	50.88	38.30
6.300	0.8	9.7	96.24 R	72.56	74.03	55.82
6.400	1.4	16.4	107.96 R	86.23	83.04	66.33
6.500	1.6	18.7	105.37 L	91.64	81.05	70.49
6.600	1.4	16.4	107.95 L	86.25	83.04	66.34
6.700	0.9	9.9	96.24 L	72.59	74.03	55.84
6.800	-0.1	-1.0	66.14 L	50.40	50.88	38.77
6.900	-1.5	-16.2	-65.63 L	-60.06	-50.49	-46.20
7.000	-3.2	-35.7	-109.68 L	-100.68	-84.37	-77.45

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-35.7	-109.68 L	-100.68	-84.37	-77.45
7.100	-1.5	-16.3	-65.63 R	-60.13	-50.49	-46.25
7.200	-0.1	-1.1	66.14 R	49.81	50.88	38.32
7.300	0.8	9.7	96.24 R	72.53	74.03	55.79
7.400	1.4	16.2	107.96 R	86.15	83.04	66.27
7.500	1.6	18.5	105.37 L	91.50	81.05	70.38
7.600	1.4	16.1	107.95 L	86.05	83.04	66.19
7.700	0.8	9.4	96.23 L	72.33	74.03	55.64
7.800	-0.2	-1.6	66.13 L	50.09	50.87	38.53
7.900	-1.6	-16.9	-65.61 L	-60.24	-50.47	-46.34
8.000	-3.3	-36.5	-109.67 R	-100.89	-84.36	-77.60
8.000	-3.3	-36.5	-109.67 R	-100.89	-84.36	-77.60
8.100	-1.5	-16.7	-65.64 R	-60.23	-50.49	-46.33
8.200	-0.1	-1.2	66.14 R	49.79	50.88	38.30
8.300	0.9	10.0	96.23 R	72.61	74.03	55.85
8.400	1.5	16.9	107.95 R	86.32	83.04	66.40
8.500	1.7	19.5	105.35 L	91.75	81.04	70.58
8.600	1.6	17.5	107.91 L	86.39	83.01	66.46
8.700	1.0	11.2	96.18 L	72.77	73.98	55.97
8.800	0.1	0.6	66.06 L	50.62	50.82	38.94
8.900	-1.2	-14.3	-65.31 L	-58.83	-50.24	-45.25
9.000	-2.9	-33.5	-109.54 R	-99.28	-84.26	-76.37
9.000	-2.9	-33.5	-109.54 R	-99.28	-84.26	-76.37
9.100	-1.3	-15.1	-65.66 R	-59.38	-50.51	-45.68
9.200	-0.1	-1.0	66.18 R	49.84	50.90	38.34
9.300	0.7	8.8	95.90 R	71.92	73.77	55.32
9.400	1.1	14.3	107.17 R	84.82	82.44	65.25
9.500	1.2	15.5	105.00 R	89.43	80.77	68.79
9.600	0.8	12.0	107.38 L	83.25	82.60	64.04
9.700	0.1	4.3	95.41 L	68.82	73.39	52.94
9.800	-1.0	-7.7	65.10 L	46.06	50.07	35.43
9.900	-2.6	-24.0	-75.60 L	-65.17	-58.15	-50.13
10.000	-4.5	-44.7	-114.96 R	-106.66	-88.43	-82.05

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-44.7	-114.96 R	-106.66	-88.43	-82.05
10.100	-2.0	-20.7	-69.02 R	-64.38	-53.10	-49.53
10.200	0.1	-1.0	71.18 R	52.92	54.76	40.70
10.300	1.7	14.4	110.76 R	80.07	85.20	61.59
10.400	2.8	25.4	128.16 R	98.93	98.59	76.10
10.500	3.5	32.2	134.99 R	110.27	103.84	84.83
10.600	3.7	34.4	143.13 R	110.70	110.10	85.15
10.700	3.5	32.2	142.83 R	101.42	109.87	78.01
10.800	2.8	25.8	121.14 R	79.47	93.18	61.13
10.900	1.6	15.0	74.46 R	46.51	57.28	35.77
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 8	1.000	215.8C	191.7	-191.7	-215.8C	215.8	191.7	-191.7	-215.
8	1.100	215.8C	191.7	-191.7	-215.8C	205.8	181.7	-201.6	-225.
9	1.200	215.8C	191.7	-191.7	-215.8C	198.7	174.5	-208.8	-232.
2	1.300	215.8C	191.7	-191.7	-215.8C	194.4	170.2	-213.1	-237.
7	1.400	215.8C	191.7	-191.7	-215.8C	193.0	168.8	-214.5	-238.
2	1.500	215.8C	191.7	-191.7	-215.8C	194.4	170.2	-213.1	-237.
8	1.600	215.8C	191.7	-191.7	-215.8C	198.9	174.7	-208.6	-232.
4	1.700	215.8C	191.7	-191.7	-215.8C	206.2	182.0	-201.3	-225.
3	1.800	215.8C	191.7	-191.7	-215.8C	216.4	192.2	-191.1	-215.
2	1.900	215.8C	191.7	-191.7	-215.8C	229.4	205.2	-178.1	-202.
3	2.000	215.8C	191.7	-191.7	-215.8C	245.3	221.1	-162.2	-186.
9	2.000	180.4C	161.2	-161.2	-180.4C	209.9	190.7	-131.7	-150.
4	2.100	180.4C	161.2	-161.2	-180.4C	196.3	177.1	-145.2	-164.
1	2.200	180.4C	161.2	-161.2	-180.4C	185.6	166.4	-155.9	-175.
0	2.300	180.4C	161.2	-161.2	-180.4C	177.7	158.6	-163.8	-183.
1	2.400	180.4C	161.2	-161.2	-180.4C	172.7	153.5	-168.9	-188.
4	2.500	180.4C	161.2	-161.2	-180.4C	170.4	151.2	-171.2	-190.
6	2.600	180.4C	161.2	-161.2	-180.4C	171.1	152.0	-170.4	-189.
1	2.700	180.4C	161.2	-161.2	-180.4C	174.7	155.5	-166.9	-186.
7	2.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
5	2.900	180.4C	161.2	-161.2	-180.4C	190.3	171.1	-151.3	-170.

5	3.000	180.4C	161.2	-161.2	-180.4C	202.3	183.1	-139.3	-158.
5	3.000	180.4C	161.2	-161.2	-180.4C	202.3	183.1	-139.3	-158.
1	3.100	180.4C	161.2	-161.2	-180.4C	189.7	170.5	-151.9	-171.
8	3.200	180.4C	161.2	-161.2	-180.4C	180.0	160.8	-161.6	-180.
7	3.300	180.4C	161.2	-161.2	-180.4C	173.0	153.8	-168.5	-187.
8	3.400	180.4C	161.2	-161.2	-180.4C	168.9	149.7	-172.7	-191.
1	3.500	180.4C	161.2	-161.2	-180.4C	167.6	148.4	-174.0	-193.
4	3.600	180.4C	161.2	-161.2	-180.4C	169.3	150.1	-172.3	-191.
9	3.700	180.4C	161.2	-161.2	-180.4C	173.8	154.7	-167.7	-186.
6	3.800	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.4	-179.
4	3.900	180.4C	161.2	-161.2	-180.4C	191.3	172.1	-150.2	-169.
5	4.000	180.4C	161.2	-161.2	-180.4C	204.3	185.1	-137.3	-156.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	180.4C	161.2	-161.2	-180.4C	204.3	185.1	-137.3	-156.
4.100	180.4C	161.2	-161.2	-180.4C	191.5	172.3	-150.1	-169.
4.200	180.4C	161.2	-161.2	-180.4C	181.5	162.3	-160.1	-179.
4.300	180.4C	161.2	-161.2	-180.4C	174.3	155.1	-167.3	-186.
4.400	180.4C	161.2	-161.2	-180.4C	169.9	150.7	-171.7	-190.
4.500	180.4C	161.2	-161.2	-180.4C	168.4	149.2	-173.2	-192.
4.600	180.4C	161.2	-161.2	-180.4C	169.8	150.6	-171.8	-191.
4.700	180.4C	161.2	-161.2	-180.4C	174.1	154.9	-167.5	-186.
4.800	180.4C	161.2	-161.2	-180.4C	181.1	162.0	-160.4	-179.
4.900	180.4C	161.2	-161.2	-180.4C	191.0	171.8	-150.5	-169.
5.000	180.4C	161.2	-161.2	-180.4C	203.7	184.5	-137.8	-157.
5.000	180.4C	161.2	-161.2	-180.4C	203.7	184.5	-137.8	-157.
5.100	180.4C	161.2	-161.2	-180.4C	191.0	171.8	-150.6	-169.
5.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
5.300	180.4C	161.2	-161.2	-180.4C	174.0	154.8	-167.6	-186.
5.400	180.4C	161.2	-161.2	-180.4C	169.7	150.5	-171.9	-191.
5.500	180.4C	161.2	-161.2	-180.4C	168.2	149.0	-173.4	-192.
5.600	180.4C	161.2	-161.2	-180.4C	169.7	150.5	-171.9	-191.
5.700	180.4C	161.2	-161.2	-180.4C	174.0	154.8	-167.5	-186.
5.800	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.4	-179.
5.900	180.4C	161.2	-161.2	-180.4C	191.1	172.0	-150.4	-169.

8	6.000	180.4C	161.2	-161.2	-180.4C	203.9	184.7	-137.7	-156.
8	6.000	180.4C	161.2	-161.2	-180.4C	203.9	184.7	-137.7	-156.
6	6.100	180.4C	161.2	-161.2	-180.4C	191.1	172.0	-150.4	-169.
6	6.200	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.4	-179.
7	6.300	180.4C	161.2	-161.2	-180.4C	174.0	154.8	-167.5	-186.
1	6.400	180.4C	161.2	-161.2	-180.4C	169.7	150.5	-171.9	-191.
6	6.500	180.4C	161.2	-161.2	-180.4C	168.2	149.0	-173.4	-192.
1	6.600	180.4C	161.2	-161.2	-180.4C	169.7	150.5	-171.9	-191.
8	6.700	180.4C	161.2	-161.2	-180.4C	174.0	154.8	-167.6	-186.
7	6.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
8	6.900	180.4C	161.2	-161.2	-180.4C	191.0	171.8	-150.6	-169.
0	7.000	180.4C	161.2	-161.2	-180.4C	203.7	184.5	-137.8	-157.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 0	7.000	180.4C	161.2	-161.2	-180.4C	203.7	184.5	-137.8	-157.
7	7.100	180.4C	161.2	-161.2	-180.4C	191.0	171.8	-150.5	-169.
6	7.200	180.4C	161.2	-161.2	-180.4C	181.1	162.0	-160.4	-179.
7	7.300	180.4C	161.2	-161.2	-180.4C	174.1	154.9	-167.5	-186.
0	7.400	180.4C	161.2	-161.2	-180.4C	169.8	150.6	-171.8	-191.
4	7.500	180.4C	161.2	-161.2	-180.4C	168.4	149.2	-173.2	-192.
8	7.600	180.4C	161.2	-161.2	-180.4C	169.9	150.7	-171.7	-190.
5	7.700	180.4C	161.2	-161.2	-180.4C	174.3	155.1	-167.3	-186.
3	7.800	180.4C	161.2	-161.2	-180.4C	181.5	162.3	-160.1	-179.
3	7.900	180.4C	161.2	-161.2	-180.4C	191.5	172.3	-150.1	-169.
5	8.000	180.4C	161.2	-161.2	-180.4C	204.3	185.1	-137.3	-156.
5	8.000	180.4C	161.2	-161.2	-180.4C	204.3	185.1	-137.3	-156.
4	8.100	180.4C	161.2	-161.2	-180.4C	191.3	172.1	-150.2	-169.
6	8.200	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.4	-179.
9	8.300	180.4C	161.2	-161.2	-180.4C	173.8	154.7	-167.7	-186.
4	8.400	180.4C	161.2	-161.2	-180.4C	169.3	150.1	-172.3	-191.
1	8.500	180.4C	161.2	-161.2	-180.4C	167.6	148.4	-174.0	-193.
8	8.600	180.4C	161.2	-161.2	-180.4C	168.9	149.7	-172.7	-191.
7	8.700	180.4C	161.2	-161.2	-180.4C	173.0	153.8	-168.5	-187.
8	8.800	180.4C	161.2	-161.2	-180.4C	180.0	160.8	-161.6	-180.
1	8.900	180.4C	161.2	-161.2	-180.4C	189.7	170.5	-151.9	-171.

5	9.000	180.4C	161.2	-161.2	-180.4C	202.3	183.1	-139.3	-158.
5	9.000	180.4C	161.2	-161.2	-180.4C	202.3	183.1	-139.3	-158.
5	9.100	180.4C	161.2	-161.2	-180.4C	190.3	171.1	-151.3	-170.
7	9.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
1	9.300	180.4C	161.2	-161.2	-180.4C	174.7	155.5	-166.9	-186.
6	9.400	180.4C	161.2	-161.2	-180.4C	171.1	152.0	-170.4	-189.
4	9.500	180.4C	161.2	-161.2	-180.4C	170.4	151.2	-171.2	-190.
1	9.600	180.4C	161.2	-161.2	-180.4C	172.7	153.5	-168.9	-188.
0	9.700	180.4C	161.2	-161.2	-180.4C	177.7	158.6	-163.8	-183.
1	9.800	180.4C	161.2	-161.2	-180.4C	185.6	166.4	-155.9	-175.
4	9.900	180.4C	161.2	-161.2	-180.4C	196.3	177.1	-145.2	-164.
9	10.000	180.4C	161.2	-161.2	-180.4C	209.9	190.7	-131.7	-150.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
10.000	215.8C	161.2	-161.2	-215.8C	245.3	190.7	-131.7	-186.
10.100	215.8C	191.7	-191.7	-215.8C	229.4	205.2	-178.1	-202.
10.200	215.8C	191.7	-191.7	-215.8C	216.4	192.2	-191.1	-215.
10.300	215.8C	191.7	-191.7	-215.8C	206.2	182.0	-201.3	-225.
10.400	215.8C	191.7	-191.7	-215.8C	198.9	174.7	-208.6	-232.
10.500	215.8C	191.7	-191.7	-215.8C	194.4	170.2	-213.1	-237.
10.600	215.8C	191.7	-191.7	-215.8C	193.0	168.8	-214.5	-238.
10.700	215.8C	191.7	-191.7	-215.8C	194.4	170.2	-213.1	-237.
10.800	215.8C	191.7	-191.7	-215.8C	198.7	174.5	-208.8	-232.
10.900	215.8C	191.7	-191.7	-215.8C	205.8	181.7	-201.6	-225.
11.000	215.8C	191.7	-191.7	-215.8C	215.8	191.7	-191.7	-215.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	2.76	28.97	2.44	32.44	HS 48.80	87.8
1.200	1.64	15.00	1.44	16.73	HS 28.81	51.9
1.300	1.36	10.20	1.19	11.36	HS 23.84	42.9
1.400	1.35	7.70	1.18	8.57	HS 23.59	42.5
1.500	1.44	6.12	1.26	6.82	HS 25.22	45.4
1.600	1.55	4.99	1.36	5.57	HS 27.26	49.1
1.700	1.86	4.13	1.64	4.63	HS 32.87	59.2
1.800	3.04	3.43	2.70	3.87	HS 54.00	97.2
1.900	8.73	2.58	7.81	2.93	HS 51.60	92.9
2.000	13.15	1.40	11.86	1.61	HS 28.04	50.5
2.000	11.25	1.14	10.22	1.30	HS 22.77	41.0
2.100	8.21	1.92	7.41	2.17	HS 38.42	69.2
2.200	2.85	2.52	2.56	2.83	HS 50.35	90.6
2.300	1.86	3.19	1.66	3.56	HS 33.24	59.8
2.400	1.61	4.13	1.43	4.60	HS 28.58	51.5
2.500	1.62	5.64	1.44	6.27	HS 28.80	51.8
2.600	1.60	5.08	1.42	5.66	HS 28.36	51.0
2.700	1.82	3.95	1.62	4.41	HS 32.43	58.4
2.800	2.74	3.15	2.45	3.53	HS 48.92	88.1
2.900	6.72	2.31	6.04	2.60	HS 46.09	83.0
3.000	9.10	1.27	8.23	1.45	HS 25.44	45.8
3.000	9.10	1.27	8.23	1.45	HS 25.44	45.8
3.100	6.57	2.33	5.90	2.62	HS 46.51	83.7
3.200	2.72	3.21	2.43	3.59	HS 48.67	87.6
3.300	1.80	4.03	1.60	4.49	HS 31.99	57.6
3.400	1.57	5.19	1.39	5.76	HS 27.75	49.9
3.500	1.59	6.97	1.41	7.74	HS 28.18	50.7
3.600	1.57	5.12	1.39	5.70	HS 27.81	50.1
3.700	1.81	3.97	1.61	4.42	HS 32.14	57.9
3.800	2.74	3.15	2.45	3.53	HS 48.98	88.2
3.900	6.86	2.29	6.17	2.58	HS 45.78	82.4
4.000	11.18	1.25	10.13	1.43	HS 25.04	45.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
4.000	11.18	1.25	10.13	1.43	HS 25.04	45.1
4.100	6.78	2.29	6.10	2.58	HS 45.75	82.4
4.200	2.74	3.14	2.45	3.52	HS 49.08	88.3
4.300	1.81	3.96	1.61	4.41	HS 32.23	58.0
4.400	1.57	5.11	1.40	5.68	HS 27.92	50.3
4.500	1.60	6.83	1.42	7.59	HS 28.31	51.0
4.600	1.57	5.11	1.39	5.68	HS 27.90	50.2
4.700	1.81	3.96	1.61	4.42	HS 32.19	57.9
4.800	2.74	3.15	2.45	3.53	HS 48.97	88.2
4.900	6.79	2.29	6.11	2.59	HS 45.87	82.6
5.000	10.97	1.26	9.94	1.43	HS 25.14	45.2
5.000	10.97	1.26	9.94	1.43	HS 25.14	45.2
5.100	6.68	2.29	6.01	2.59	HS 45.89	82.6
5.200	2.74	3.15	2.45	3.53	HS 48.95	88.1
5.300	1.81	3.97	1.61	4.42	HS 32.16	57.9
5.400	1.57	5.11	1.39	5.68	HS 27.88	50.2
5.500	1.60	6.85	1.41	7.61	HS 28.28	50.9
5.600	1.57	5.11	1.39	5.68	HS 27.88	50.2
5.700	1.81	3.96	1.61	4.42	HS 32.18	57.9
5.800	2.74	3.15	2.45	3.53	HS 48.98	88.2
5.900	6.81	2.29	6.13	2.58	HS 45.84	82.5
6.000	11.03	1.25	9.99	1.43	HS 25.10	45.2
6.000	11.03	1.25	9.99	1.43	HS 25.10	45.2
6.100	6.70	2.29	6.02	2.58	HS 45.84	82.5
6.200	2.74	3.15	2.45	3.53	HS 48.98	88.2
6.300	1.81	3.96	1.61	4.42	HS 32.18	57.9
6.400	1.57	5.11	1.39	5.68	HS 27.88	50.2
6.500	1.60	6.85	1.41	7.61	HS 28.28	50.9
6.600	1.57	5.11	1.39	5.68	HS 27.88	50.2
6.700	1.81	3.97	1.61	4.42	HS 32.16	57.9
6.800	2.74	3.15	2.45	3.53	HS 48.95	88.1
6.900	6.79	2.29	6.11	2.59	HS 45.89	82.6
7.000	10.97	1.26	9.94	1.43	HS 25.14	45.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
7.000	10.97	1.26	9.94	1.43	HS 25.14	45.2
7.100	6.68	2.29	6.01	2.59	HS 45.87	82.6
7.200	2.74	3.15	2.45	3.53	HS 48.97	88.2
7.300	1.81	3.96	1.61	4.42	HS 32.19	57.9
7.400	1.57	5.11	1.39	5.68	HS 27.90	50.2
7.500	1.60	6.83	1.42	7.59	HS 28.31	51.0
7.600	1.57	5.11	1.40	5.68	HS 27.92	50.3
7.700	1.81	3.96	1.61	4.41	HS 32.23	58.0
7.800	2.74	3.14	2.45	3.52	HS 49.08	88.3
7.900	6.90	2.29	6.20	2.58	HS 45.75	82.4
8.000	11.18	1.25	10.13	1.43	HS 25.04	45.1
8.000	11.18	1.25	10.13	1.43	HS 25.04	45.1
8.100	6.74	2.29	6.07	2.58	HS 45.78	82.4
8.200	2.74	3.15	2.45	3.53	HS 48.98	88.2
8.300	1.81	3.97	1.61	4.42	HS 32.14	57.9
8.400	1.57	5.12	1.39	5.70	HS 27.81	50.1
8.500	1.59	6.97	1.41	7.74	HS 28.18	50.7
8.600	1.57	5.19	1.39	5.76	HS 27.75	49.9
8.700	1.80	4.03	1.60	4.49	HS 31.99	57.6
8.800	2.72	3.21	2.43	3.59	HS 48.67	87.6
8.900	6.68	2.33	6.00	2.62	HS 46.51	83.7
9.000	9.10	1.27	8.23	1.45	HS 25.44	45.8
9.000	9.10	1.27	8.23	1.45	HS 25.44	45.8
9.100	6.60	2.31	5.94	2.60	HS 46.09	83.0
9.200	2.74	3.15	2.45	3.53	HS 48.92	88.1
9.300	1.82	3.95	1.62	4.41	HS 32.43	58.4
9.400	1.60	5.08	1.42	5.66	HS 28.36	51.0
9.500	1.62	5.64	1.44	6.27	HS 28.80	51.8
9.600	1.61	4.13	1.43	4.60	HS 28.58	51.5
9.700	1.86	3.19	1.66	3.56	HS 33.24	59.8
9.800	2.85	2.52	2.56	2.83	HS 50.35	90.6
9.900	8.38	1.92	7.56	2.17	HS 38.42	69.2
10.000	11.25	1.15	10.22	1.31	HS 22.91	41.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
10.000	13.15	1.15	10.22	1.62	HS 22.91	41.2
10.100	8.57	2.58	7.67	2.93	HS 51.60	92.9
10.200	3.04	3.43	2.70	3.87	HS 54.00	97.2
10.300	1.86	4.13	1.64	4.63	HS 32.87	59.2
10.400	1.55	4.99	1.36	5.57	HS 27.26	49.1
10.500	1.44	6.12	1.26	6.82	HS 25.22	45.4
10.600	1.35	7.70	1.18	8.57	HS 23.59	42.5
10.700	1.36	10.20	1.19	11.36	HS 23.84	42.9
10.800	1.64	15.00	1.44	16.73	HS 28.81	51.9
10.900	2.76	28.97	2.44	32.44	HS 48.80	87.8
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
1.000	0.7	6.9	35.63	27.51	27.41	21.16
1.100	0.6	5.2	29.78	23.60	22.91	18.15
1.200	0.4	3.4	24.23	19.88	18.64	15.29
1.300	0.2	1.7	19.04	16.39	14.65	12.61
1.400	0.0	-0.1	14.31	13.14	11.01	10.11
1.500	-0.2	-1.8	-16.77	-15.50	-12.90	-11.92
1.600	-0.4	-3.6	-20.25	-18.55	-15.58	-14.27
1.700	-0.5	-5.3	-25.94	-21.53	-19.95	-16.56
1.800	-0.7	-7.0	-31.40	-24.42	-24.15	-18.78
1.900	-0.9	-8.7	-36.40	-27.15	-28.00	-20.89
2.000	-1.1	-10.4	-40.86	-29.69	-31.43	-22.84
2.000	0.8	-10.4	38.90	29.41	29.92	22.63
2.100	0.7	7.4	33.68	26.57	25.90	20.44
2.200	0.5	5.7	28.40	23.46	21.85	18.05
2.300	0.4	4.0	23.00	20.18	17.69	15.53
2.400	0.2	2.2	18.91	16.86	14.54	12.97
2.500	0.1	0.5	14.79	13.59	11.38	10.45
2.600	-0.1	-1.3	-18.64	-16.43	-14.34	-12.64
2.700	-0.2	-3.1	-22.82	-19.76	-17.55	-15.20
2.800	-0.4	-4.8	-28.19	-23.05	-21.69	-17.73
2.900	-0.6	-6.5	-33.45	-26.18	-25.73	-20.14
3.000	-0.7	-8.2	-38.37	-29.05	-29.52	-22.35
3.000	0.8	8.6	38.42	29.25	29.56	22.50
3.100	0.6	6.8	33.52	26.39	25.78	20.30
3.200	0.5	5.1	28.27	23.26	21.74	17.90
3.300	0.3	3.4	22.89	19.98	17.61	15.37
3.400	0.1	1.7	18.67	16.66	14.36	12.81
3.500	0.0	-0.1	14.60	-13.48	11.23	-10.37
3.600	-0.2	-1.9	-18.67	-16.74	-14.36	-12.88
3.700	-0.3	-3.6	-22.88	-20.07	-17.60	-15.44
3.800	-0.5	-5.3	-28.26	-23.35	-21.74	-17.96
3.900	-0.6	-7.1	-33.51	-26.48	-25.78	-20.37
4.000	-0.8	-8.8	-38.42	-29.34	-29.55	-22.57

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-8.8	38.42	29.33	29.56	22.56
4.100	0.6	7.0	33.51	26.47	25.78	20.36
4.200	0.5	5.3	28.26	23.34	21.74	17.95
4.300	0.3	3.5	22.89	20.06	17.61	15.43
4.400	0.2	1.8	18.67	16.73	14.36	12.87
4.500	0.0	0.1	14.61	13.47	11.23	10.36
4.600	-0.2	-1.8	-18.67	-16.71	-14.36	-12.85
4.700	-0.3	-3.5	-22.89	-20.03	-17.61	-15.41
4.800	-0.5	-5.2	-28.26	-23.31	-21.74	-17.93
4.900	-0.6	-6.9	-33.51	-26.44	-25.78	-20.34
5.000	-0.8	-8.6	-38.42	-29.30	-29.56	-22.54
5.000	0.8	8.6	38.42	29.31	29.56	22.55
5.100	0.6	6.9	33.51	26.45	25.78	20.35
5.200	0.5	5.2	28.26	23.33	21.74	17.94
5.300	0.3	3.5	22.89	20.05	17.61	15.42
5.400	0.2	1.8	18.67	16.72	14.36	12.86
5.500	0.0	0.1	14.61	-13.46	11.24	-10.36
5.600	-0.2	-1.8	-18.67	-16.73	-14.36	-12.87
5.700	-0.3	-3.5	-22.89	-20.05	-17.61	-15.43
5.800	-0.5	-5.2	-28.26	-23.34	-21.74	-17.95
5.900	-0.6	-7.0	-33.51	-26.46	-25.78	-20.36
6.000	-0.8	-8.7	-38.42	-29.32	-29.56	-22.56
6.000	0.8	8.7	38.42	29.32	29.56	22.56
6.100	0.6	7.0	33.51	26.46	25.78	20.36
6.200	0.5	5.2	28.26	23.34	21.74	17.95
6.300	0.3	3.5	22.89	20.05	17.61	15.43
6.400	0.2	1.8	18.67	16.73	14.36	12.87
6.500	0.0	0.1	14.61	13.46	11.24	10.36
6.600	-0.2	-1.8	-18.67	-16.72	-14.36	-12.86
6.700	-0.3	-3.5	-22.89	-20.05	-17.61	-15.42
6.800	-0.5	-5.2	-28.26	-23.33	-21.74	-17.94
6.900	-0.6	-6.9	-33.51	-26.45	-25.78	-20.35
7.000	-0.8	-8.6	-38.42	-29.31	-29.56	-22.55

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-8.6	38.42	29.30	29.56	22.54
7.100	0.6	6.9	33.51	26.44	25.78	20.34
7.200	0.5	5.2	28.26	23.31	21.74	17.93
7.300	0.3	3.5	22.89	20.03	17.61	15.41
7.400	0.2	1.8	18.67	16.71	14.36	12.85
7.500	0.0	0.1	14.61	-13.47	-11.24	-10.36
7.600	-0.2	-1.8	-18.67	-16.73	-14.36	-12.87
7.700	-0.3	-3.5	-22.89	-20.06	-17.61	-15.43
7.800	-0.5	-5.3	-28.26	-23.34	-21.74	-17.95
7.900	-0.6	-7.0	-33.51	-26.47	-25.78	-20.36
8.000	-0.8	-8.7	-38.42	-29.33	-29.56	-22.56
8.000	0.8	8.8	38.42	29.34	29.55	22.57
8.100	0.6	7.1	33.51	26.48	25.78	20.37
8.200	0.5	5.3	28.26	23.35	21.74	17.96
8.300	0.3	3.6	22.88	20.07	17.60	15.44
8.400	0.2	1.9	18.67	16.74	14.36	12.88
8.500	0.0	0.2	14.60	13.48	11.23	10.37
8.600	-0.1	-1.7	-18.67	-16.66	-14.36	-12.81
8.700	-0.3	-3.4	-22.89	-19.98	-17.61	-15.37
8.800	-0.5	-5.1	-28.27	-23.26	-21.74	-17.90
8.900	-0.6	-6.8	-33.52	-26.39	-25.78	-20.30
9.000	-0.8	-8.6	-38.42	-29.25	-29.56	-22.50
9.000	0.7	-8.6	38.37	29.05	29.52	22.35
9.100	0.6	6.5	33.45	26.18	25.73	20.14
9.200	0.4	4.8	28.19	23.05	21.69	17.73
9.300	0.2	3.1	22.82	19.76	17.55	15.20
9.400	0.1	1.3	18.64	16.43	14.34	12.64
9.500	-0.1	-0.4	-14.79	-13.59	-11.38	-10.45
9.600	-0.2	-2.2	-18.91	-16.86	-14.54	-12.97
9.700	-0.4	-4.0	-23.00	-20.18	-17.69	-15.53
9.800	-0.5	-5.7	-28.40	-23.46	-21.85	-18.05
9.900	-0.7	-7.4	-33.68	-26.57	-25.90	-20.44
10.000	-0.8	-9.1	-38.59	-29.41	-29.69	-22.63

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
10.000	1.1	10.4	40.86	29.69	31.43	22.84
10.100	0.9	8.7	36.40	27.15	28.00	20.89
10.200	0.7	7.0	31.40	24.42	24.15	18.78
10.300	0.5	5.3	25.94	21.53	19.95	16.56
10.400	0.4	3.6	20.25	18.55	15.58	14.27
10.500	0.2	1.9	16.77	15.50	12.90	11.92
10.600	0.0	0.1	-14.31	-13.14	-11.01	-10.11
10.700	-0.2	-1.7	-19.04	-16.39	-14.65	-12.61
10.800	-0.4	-3.4	-24.23	-19.88	-18.64	-15.29
10.900	-0.6	-5.2	-29.78	-23.60	-22.91	-18.15
11.000	-0.7	-6.9	-35.63	-27.51	-27.41	-21.16

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	103.3	-84.0	74.9
1.100	103.3	-82.9	76.0
1.200	103.3	-81.7	77.1
1.300	103.3	-80.6	78.3
1.400	103.3	-79.4	79.4
1.500	103.3	-78.3	80.6
1.600	103.3	-77.1	81.8
1.700	103.3	-75.9	82.9
1.800	103.3	-74.8	84.1
1.900	103.3	-73.6	85.2
2.000	103.3	-72.5	86.4
2.000	90.8	-72.5	63.9
2.100	90.8	-74.7	65.0
2.200	90.8	-73.5	66.1
2.300	90.8	-72.4	67.2
2.400	90.8	-71.3	68.4
2.500	90.8	-70.2	69.5
2.600	90.8	-69.0	70.7
2.700	90.8	-67.8	71.8
2.800	90.8	-66.7	72.9
2.900	90.8	-65.6	74.1
3.000	90.8	-64.5	70.3
3.000	90.8	-64.5	64.2
3.100	90.8	-74.3	65.4
3.200	90.8	-73.2	66.5
3.300	90.8	-72.0	67.6
3.400	90.8	-70.9	68.7
3.500	90.8	-69.8	69.9
3.600	90.8	-68.6	71.1
3.700	90.8	-67.5	72.2
3.800	90.8	-66.3	73.3
3.900	90.8	-65.2	74.4
4.000	90.8	-64.1	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	90.8	-64.1	64.1
4.100	90.8	-74.4	65.3
4.200	90.8	-73.3	66.4
4.300	90.8	-72.1	67.5
4.400	90.8	-71.0	68.6
4.500	90.8	-69.9	69.8
4.600	90.8	-68.7	71.0
4.700	90.8	-67.6	72.1
4.800	90.8	-66.4	73.2
4.900	90.8	-65.3	74.3
5.000	90.8	-64.2	70.3
5.000	90.8	-64.2	64.2
5.100	90.8	-74.4	65.3
5.200	90.8	-73.2	66.4
5.300	90.8	-72.1	67.5
5.400	90.8	-71.0	68.7
5.500	90.8	-69.9	69.8
5.600	90.8	-68.7	71.0
5.700	90.8	-67.5	72.1
5.800	90.8	-66.4	73.2
5.900	90.8	-65.3	74.4
6.000	90.8	-64.1	70.3
6.000	90.8	-64.1	64.1
6.100	90.8	-74.4	65.3
6.200	90.8	-73.2	66.4
6.300	90.8	-72.1	67.5
6.400	90.8	-71.0	68.7
6.500	90.8	-69.9	69.8
6.600	90.8	-68.7	71.0
6.700	90.8	-67.5	72.1
6.800	90.8	-66.4	73.2
6.900	90.8	-65.3	74.4
7.000	90.8	-64.2	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	90.8	-64.2	64.2
7.100	90.8	-74.3	65.3
7.200	90.8	-73.2	66.4
7.300	90.8	-72.1	67.6
7.400	90.8	-71.0	68.7
7.500	90.8	-69.8	69.8
7.600	90.8	-68.6	71.0
7.700	90.8	-67.5	72.1
7.800	90.8	-66.4	73.3
7.900	90.8	-65.3	74.4
8.000	90.8	-64.1	70.3
8.000	90.8	-64.1	64.1
8.100	90.8	-74.4	65.2
8.200	90.8	-73.3	66.3
8.300	90.8	-72.2	67.5
8.400	90.8	-71.1	68.6
8.500	90.8	-69.9	69.7
8.600	90.8	-68.7	70.9
8.700	90.8	-67.6	72.0
8.800	90.8	-66.5	73.2
8.900	90.8	-65.4	74.3
9.000	90.8	-64.2	70.3
9.000	90.8	-64.2	64.5
9.100	90.8	-74.1	65.6
9.200	90.8	-72.9	66.7
9.300	90.8	-71.8	67.8
9.400	90.8	-70.7	69.0
9.500	90.8	-69.6	70.1
9.600	90.8	-68.4	71.3
9.700	90.8	-67.2	72.4
9.800	90.8	-66.1	73.5
9.900	90.8	-65.0	74.7
10.000	90.8	-63.9	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	103.3	-63.9	72.5
10.100	103.3	-85.2	73.6
10.200	103.3	-84.1	74.8
10.300	103.3	-82.9	75.9
10.400	103.3	-81.8	77.1
10.500	103.3	-80.6	78.2
10.600	103.3	-79.4	79.4
10.700	103.3	-78.3	80.6
10.800	103.3	-77.1	81.7
10.900	103.3	-76.0	82.9
11.000	103.3	-74.9	79.9

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	31.49	2.10	HS 42.01	75.6
1.100	23.53	2.55	HS 51.03	91.9
1.200	12.50	3.18	HS 63.68	114.6
1.300	8.30	4.11	HS 82.21	148.0
1.400	6.22	5.55	HS 110.98	199.8
1.500	4.67	7.46	HS 93.38	168.1
1.600	3.81	10.89	HS 76.12	137.0
1.700	2.93	16.07	HS 58.55	105.4
1.800	2.38	26.70	HS 47.63	85.7
1.900	2.02	57.06	HS 40.46	72.8
2.000	1.77	120.81	HS 35.48	63.9
2.000	1.77	1.64	HS 32.83	59.1
2.100	22.40	1.93	HS 38.59	69.5
2.200	15.76	2.33	HS 46.55	83.8
2.300	10.08	2.92	HS 58.47	105.2
2.400	7.10	3.62	HS 72.31	130.2
2.500	4.82	4.70	HS 93.95	169.1
2.600	3.70	6.75	HS 74.00	133.2
2.700	2.97	9.46	HS 59.45	107.0
2.800	2.37	14.44	HS 47.32	85.2
2.900	1.96	17.59	HS 39.21	70.6
3.000	1.68	16.69	HS 33.60	60.5
3.000	1.68	1.67	HS 33.44	60.2
3.100	20.68	1.95	HS 39.00	70.2
3.200	14.71	2.35	HS 47.04	84.7
3.300	9.60	2.95	HS 59.07	106.3
3.400	6.84	3.68	HS 73.64	132.6
3.500	4.78	4.78	HS 95.57	172.0
3.600	3.67	6.91	HS 73.46	132.2
3.700	2.95	9.73	HS 58.95	106.1
3.800	2.35	15.01	HS 46.94	84.5
3.900	1.95	21.34	HS 38.91	70.0
4.000	1.67	20.44	HS 33.35	60.0

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	1.67	1.67	HS 33.35	60.0
4.100	20.94	1.95	HS 38.94	70.1
4.200	14.84	2.35	HS 46.97	84.6
4.300	9.66	2.95	HS 58.99	106.2
4.400	6.87	3.68	HS 73.52	132.3
4.500	4.78	4.78	HS 95.53	172.0
4.600	3.68	6.85	HS 73.56	132.4
4.700	2.95	9.62	HS 59.03	106.3
4.800	2.35	14.76	HS 47.01	84.6
4.900	1.95	20.79	HS 38.97	70.1
5.000	1.67	19.92	HS 33.41	60.1
5.000	1.67	1.67	HS 33.40	60.1
5.100	20.81	1.95	HS 38.96	70.1
5.200	14.77	2.35	HS 47.00	84.6
5.300	9.63	2.95	HS 59.02	106.2
5.400	6.86	3.68	HS 73.55	132.4
5.500	4.78	4.78	HS 95.57	172.0
5.600	3.68	6.86	HS 73.53	132.4
5.700	2.95	9.64	HS 59.00	106.2
5.800	2.35	14.80	HS 46.99	84.6
5.900	1.95	20.86	HS 38.95	70.1
6.000	1.67	19.99	HS 33.39	60.1
6.000	1.67	1.67	HS 33.39	60.1
6.100	20.86	1.95	HS 38.95	70.1
6.200	14.80	2.35	HS 46.99	84.6
6.300	9.64	2.95	HS 59.00	106.2
6.400	6.86	3.68	HS 73.53	132.4
6.500	4.78	4.78	HS 95.55	172.0
6.600	3.68	6.86	HS 73.55	132.4
6.700	2.95	9.63	HS 59.02	106.2
6.800	2.35	14.77	HS 47.00	84.6
6.900	1.95	20.81	HS 38.96	70.1
7.000	1.67	19.94	HS 33.40	60.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	1.67	1.67	HS 33.40	60.1
7.100	20.79	1.95	HS 38.97	70.1
7.200	14.76	2.35	HS 47.01	84.6
7.300	9.62	2.95	HS 59.03	106.3
7.400	6.85	3.68	HS 73.56	132.4
7.500	4.78	4.78	HS 95.59	172.1
7.600	3.68	6.87	HS 73.52	132.3
7.700	2.95	9.66	HS 58.99	106.2
7.800	2.35	14.84	HS 46.97	84.6
7.900	1.95	20.94	HS 38.94	70.1
8.000	1.67	20.06	HS 33.38	60.1
8.000	1.67	1.67	HS 33.35	60.0
8.100	21.34	1.95	HS 38.91	70.0
8.200	15.01	2.35	HS 46.94	84.5
8.300	9.73	2.95	HS 58.95	106.1
8.400	6.91	3.67	HS 73.46	132.2
8.500	4.79	4.77	HS 95.47	171.8
8.600	3.68	6.84	HS 73.64	132.6
8.700	2.95	9.60	HS 59.07	106.3
8.800	2.35	14.71	HS 47.04	84.7
8.900	1.95	20.68	HS 39.00	70.2
9.000	1.67	19.83	HS 33.44	60.2
9.000	1.67	1.68	HS 33.44	60.2
9.100	18.28	1.96	HS 39.21	70.6
9.200	14.44	2.37	HS 47.32	85.2
9.300	9.46	2.97	HS 59.45	107.0
9.400	6.75	3.70	HS 74.00	133.2
9.500	4.70	4.81	HS 94.06	169.3
9.600	3.62	7.10	HS 72.31	130.2
9.700	2.92	10.08	HS 58.47	105.2
9.800	2.33	15.76	HS 46.55	83.8
9.900	1.93	21.47	HS 38.59	69.5
10.000	1.65	20.22	HS 33.09	59.6

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	1.65	1.77	HS 33.09	59.6
10.100	57.06	2.02	HS 40.46	72.8
10.200	26.70	2.38	HS 47.63	85.7
10.300	16.07	2.93	HS 58.55	105.4
10.400	10.89	3.81	HS 76.12	137.0
10.500	7.47	4.66	HS 93.29	167.9
10.600	5.55	6.22	HS 110.98	199.8
10.700	4.11	8.30	HS 82.21	148.0
10.800	3.18	12.50	HS 63.68	114.6
10.900	2.55	23.53	HS 51.03	91.9
11.000	2.10	30.37	HS 42.01	75.6

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 99.3	199.3	199.3	-199.3	-199.3	199.3	199.3	-199.3	-1
1.100 09.3	206.0	206.0	-192.7	-192.7	189.3	189.3	-209.3	-2
1.200 16.5	210.7	210.7	-187.9	-187.9	182.2	182.2	-216.5	-2
1.300 20.7	213.6	213.6	-185.0	-185.0	177.9	177.9	-220.7	-2
1.400 22.2	214.6	214.6	-184.1	-184.1	176.5	176.5	-222.2	-2
1.500 20.7	213.6	213.6	-185.0	-185.0	177.9	177.9	-220.7	-2
1.600 16.3	210.6	210.6	-188.0	-188.0	182.4	182.4	-216.3	-2
1.700 08.9	205.7	205.7	-192.9	-192.9	189.7	189.7	-208.9	-2
1.800 98.8	199.0	199.0	-199.7	-199.7	199.9	199.9	-198.8	-1
1.900 85.7	190.3	190.3	-208.4	-208.4	212.9	212.9	-185.7	-1
2.000 69.8	179.7	179.7	-219.0	-219.0	228.8	228.8	-169.8	-1
2.000 38.2	148.0	148.0	-187.3	-187.3	197.1	197.1	-138.2	-1
2.100 51.7	157.0	157.0	-178.3	-178.3	183.6	183.6	-151.7	-1
2.200 62.4	164.1	164.1	-171.1	-171.1	172.9	172.9	-162.4	-1
2.300 70.3	169.4	169.4	-165.9	-165.9	165.0	165.0	-170.3	-1
2.400 75.4	172.8	172.8	-162.5	-162.5	159.9	159.9	-175.4	-1
2.500 77.6	174.3	174.3	-161.0	-161.0	157.7	157.7	-177.6	-1
2.600 76.9	173.8	173.8	-161.5	-161.5	158.4	158.4	-176.9	-1
2.700 73.3	171.4	171.4	-163.9	-163.9	162.0	162.0	-173.3	-1
2.800 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
2.900 57.8	161.1	161.1	-174.2	-174.2	177.5	177.5	-157.8	-1

3.000	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
45.8								
3.000	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
45.8								
3.100	161.4	161.4	-173.8	-173.8	177.0	177.0	-158.3	-1
58.3								
3.200	167.9	167.9	-167.4	-167.4	167.2	167.2	-168.1	-1
68.1								
3.300	172.5	172.5	-162.7	-162.7	160.3	160.3	-175.0	-1
75.0								
3.400	175.3	175.3	-160.0	-160.0	156.2	156.2	-179.1	-1
79.1								
3.500	176.2	176.2	-159.1	-159.1	154.9	154.9	-180.4	-1
80.4								
3.600	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-1
78.7								
3.700	172.0	172.0	-163.3	-163.3	161.1	161.1	-174.2	-1
74.2								
3.800	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
66.8								
3.900	160.3	160.3	-174.9	-174.9	178.6	178.6	-156.7	-1
56.7								
4.000	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
43.7								

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.7	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
4.100 56.5	160.2	160.2	-175.0	-175.0	178.7	178.7	-156.5	-1
4.200 66.5	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
4.300 73.7	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.7	-1
4.400 78.1	174.6	174.6	-160.7	-160.7	157.2	157.2	-178.1	-1
4.500 79.7	175.7	175.7	-159.6	-159.6	155.6	155.6	-179.7	-1
4.600 78.2	174.7	174.7	-160.6	-160.6	157.1	157.1	-178.2	-1
4.700 74.0	171.8	171.8	-163.4	-163.4	161.3	161.3	-174.0	-1
4.800 66.9	167.1	167.1	-168.1	-168.1	168.4	168.4	-166.9	-1
4.900 57.0	160.5	160.5	-174.7	-174.7	178.3	178.3	-157.0	-1
5.000 44.3	152.1	152.1	-183.2	-183.2	191.0	191.0	-144.3	-1
5.000 44.3	152.1	152.1	-183.2	-183.2	191.0	191.0	-144.3	-1
5.100 57.0	160.6	160.6	-174.7	-174.7	178.3	178.3	-157.0	-1
5.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
5.300 74.1	171.9	171.9	-163.4	-163.4	161.2	161.2	-174.1	-1
5.400 78.4	174.8	174.8	-160.5	-160.5	156.9	156.9	-178.4	-1
5.500 79.9	175.8	175.8	-159.5	-159.5	155.4	155.4	-179.9	-1
5.600 78.3	174.8	174.8	-160.5	-160.5	157.0	157.0	-178.3	-1
5.700 74.0	171.9	171.9	-163.4	-163.4	161.3	161.3	-174.0	-1
5.800 66.8	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
5.900 56.9	160.5	160.5	-174.8	-174.8	178.4	178.4	-156.9	-1

6.000 44.1	151.9	151.9	-183.3	-183.3	191.2	191.2	-144.1	-1
6.000 44.1	151.9	151.9	-183.3	-183.3	191.2	191.2	-144.1	-1
6.100 56.9	160.5	160.5	-174.8	-174.8	178.4	178.4	-156.9	-1
6.200 66.8	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
6.300 74.0	171.9	171.9	-163.4	-163.4	161.3	161.3	-174.0	-1
6.400 78.3	174.8	174.8	-160.5	-160.5	157.0	157.0	-178.3	-1
6.500 79.9	175.8	175.8	-159.5	-159.5	155.4	155.4	-179.9	-1
6.600 78.4	174.8	174.8	-160.5	-160.5	156.9	156.9	-178.4	-1
6.700 74.1	171.9	171.9	-163.4	-163.4	161.2	161.2	-174.1	-1
6.800 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
6.900 57.0	160.6	160.6	-174.7	-174.7	178.3	178.3	-157.0	-1
7.000 44.3	152.1	152.1	-183.2	-183.2	191.0	191.0	-144.3	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 44.3	152.1	152.1	-183.2	-183.2	191.0	191.0	-144.3	-1
7.100 57.0	160.5	160.5	-174.7	-174.7	178.3	178.3	-157.0	-1
7.200 66.9	167.1	167.1	-168.1	-168.1	168.4	168.4	-166.9	-1
7.300 74.0	171.8	171.8	-163.4	-163.4	161.3	161.3	-174.0	-1
7.400 78.2	174.7	174.7	-160.6	-160.6	157.1	157.1	-178.2	-1
7.500 79.7	175.7	175.7	-159.6	-159.6	155.6	155.6	-179.7	-1
7.600 78.1	174.6	174.6	-160.7	-160.7	157.2	157.2	-178.1	-1
7.700 73.7	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.7	-1
7.800 66.5	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
7.900 56.5	160.2	160.2	-175.0	-175.0	178.7	178.7	-156.5	-1
8.000 43.7	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
8.000 43.7	151.7	151.7	-183.6	-183.6	191.6	191.6	-143.7	-1
8.100 56.7	160.3	160.3	-174.9	-174.9	178.6	178.6	-156.7	-1
8.200 66.8	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
8.300 74.2	172.0	172.0	-163.3	-163.3	161.1	161.1	-174.2	-1
8.400 78.7	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-1
8.500 80.4	176.2	176.2	-159.1	-159.1	154.9	154.9	-180.4	-1
8.600 79.1	175.3	175.3	-160.0	-160.0	156.2	156.2	-179.1	-1
8.700 75.0	172.5	172.5	-162.7	-162.7	160.3	160.3	-175.0	-1
8.800 68.1	167.9	167.9	-167.4	-167.4	167.2	167.2	-168.1	-1
8.900 58.3	161.4	161.4	-173.8	-173.8	177.0	177.0	-158.3	-1

9.000 45.8	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
9.000 45.8	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
9.100 57.8	161.1	161.1	-174.2	-174.2	177.5	177.5	-157.8	-1
9.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
9.300 73.3	171.4	171.4	-163.9	-163.9	162.0	162.0	-173.3	-1
9.400 76.9	173.8	173.8	-161.5	-161.5	158.4	158.4	-176.9	-1
9.500 77.6	174.3	174.3	-161.0	-161.0	157.7	157.7	-177.6	-1
9.600 75.4	172.8	172.8	-162.5	-162.5	159.9	159.9	-175.4	-1
9.700 70.3	169.4	169.4	-165.9	-165.9	165.0	165.0	-170.3	-1
9.800 62.4	164.1	164.1	-171.1	-171.1	172.9	172.9	-162.4	-1
9.900 51.7	157.0	157.0	-178.3	-178.3	183.6	183.6	-151.7	-1
10.000 38.2	148.0	148.0	-187.3	-187.3	197.1	197.1	-138.2	-1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	2.54	30.07	2.54	30.07	HS 50.85	91.5
1.200	1.50	15.55	1.50	15.55	HS 30.08	54.1
1.300	1.25	10.57	1.25	10.57	HS 24.91	44.8
1.400	1.23	7.98	1.23	7.98	HS 24.66	44.4
1.500	1.32	6.34	1.32	6.34	HS 26.36	47.4
1.600	1.42	5.18	1.42	5.18	HS 28.46	51.2
1.700	1.71	4.29	1.71	4.29	HS 34.25	61.7
1.800	2.81	3.57	2.81	3.57	HS 56.16	101.1
1.900	8.10	2.69	8.10	2.69	HS 53.82	96.9
2.000	12.27	1.47	12.27	1.47	HS 29.36	52.9
2.000	10.57	1.19	10.57	1.19	HS 23.89	43.0
2.100	7.68	2.01	7.68	2.01	HS 40.13	72.2
2.200	2.66	2.62	2.66	2.62	HS 52.43	94.4
2.300	1.73	3.31	1.73	3.31	HS 34.59	62.3
2.400	1.49	4.29	1.49	4.29	HS 29.79	53.6
2.500	1.50	5.85	1.50	5.85	HS 30.03	54.1
2.600	1.48	5.28	1.48	5.28	HS 29.56	53.2
2.700	1.69	4.11	1.69	4.11	HS 33.78	60.8
2.800	2.54	3.28	2.54	3.28	HS 50.87	91.6
2.900	6.26	2.40	6.26	2.40	HS 48.06	86.5
3.000	8.52	1.33	8.52	1.33	HS 26.61	47.9
3.000	8.52	1.33	8.52	1.33	HS 26.61	47.9
3.100	6.12	2.42	6.12	2.42	HS 48.48	87.3
3.200	2.53	3.33	2.53	3.33	HS 50.62	91.1
3.300	1.67	4.18	1.67	4.18	HS 33.33	60.0
3.400	1.45	5.38	1.45	5.38	HS 28.94	52.1
3.500	1.47	7.23	1.47	7.23	HS 29.40	52.9
3.600	1.45	5.32	1.45	5.32	HS 29.01	52.2
3.700	1.67	4.12	1.67	4.12	HS 33.48	60.3
3.800	2.55	3.28	2.55	3.28	HS 50.93	91.7
3.900	6.40	2.39	6.40	2.39	HS 47.75	85.9
4.000	10.48	1.31	10.48	1.31	HS 26.21	47.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
4.000	10.48	1.31	10.48	1.31	HS 26.21	47.2
4.100	6.33	2.39	6.33	2.39	HS 47.72	85.9
4.200	2.55	3.27	2.55	3.27	HS 51.03	91.9
4.300	1.68	4.11	1.68	4.11	HS 33.57	60.4
4.400	1.46	5.30	1.46	5.30	HS 29.12	52.4
4.500	1.48	7.08	1.48	7.08	HS 29.54	53.2
4.600	1.46	5.30	1.46	5.30	HS 29.10	52.4
4.700	1.68	4.12	1.68	4.12	HS 33.53	60.3
4.800	2.55	3.28	2.55	3.28	HS 50.92	91.7
4.900	6.34	2.39	6.34	2.39	HS 47.84	86.1
5.000	10.28	1.32	10.28	1.32	HS 26.31	47.4
5.000	10.28	1.32	10.28	1.32	HS 26.31	47.4
5.100	6.23	2.39	6.23	2.39	HS 47.85	86.1
5.200	2.55	3.28	2.55	3.28	HS 50.90	91.6
5.300	1.67	4.12	1.67	4.12	HS 33.50	60.3
5.400	1.45	5.31	1.45	5.31	HS 29.07	52.3
5.500	1.48	7.11	1.48	7.11	HS 29.50	53.1
5.600	1.45	5.30	1.45	5.30	HS 29.08	52.3
5.700	1.68	4.12	1.68	4.12	HS 33.52	60.3
5.800	2.55	3.28	2.55	3.28	HS 50.93	91.7
5.900	6.36	2.39	6.36	2.39	HS 47.80	86.0
6.000	10.34	1.31	10.34	1.31	HS 26.28	47.3
6.000	10.34	1.31	10.34	1.31	HS 26.28	47.3
6.100	6.25	2.39	6.25	2.39	HS 47.80	86.0
6.200	2.55	3.28	2.55	3.28	HS 50.93	91.7
6.300	1.68	4.12	1.68	4.12	HS 33.52	60.3
6.400	1.45	5.30	1.45	5.30	HS 29.08	52.3
6.500	1.48	7.11	1.48	7.11	HS 29.50	53.1
6.600	1.45	5.31	1.45	5.31	HS 29.07	52.3
6.700	1.67	4.12	1.67	4.12	HS 33.50	60.3
6.800	2.55	3.28	2.55	3.28	HS 50.90	91.6
6.900	6.34	2.39	6.34	2.39	HS 47.85	86.1
7.000	10.28	1.32	10.28	1.32	HS 26.31	47.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	10.28	1.32	10.28	1.32	HS 26.31	47.4
7.100	6.23	2.39	6.23	2.39	HS 47.84	86.1
7.200	2.55	3.28	2.55	3.28	HS 50.92	91.7
7.300	1.68	4.12	1.68	4.12	HS 33.53	60.3
7.400	1.46	5.30	1.46	5.30	HS 29.10	52.4
7.500	1.48	7.08	1.48	7.08	HS 29.54	53.2
7.600	1.46	5.30	1.46	5.30	HS 29.12	52.4
7.700	1.68	4.11	1.68	4.11	HS 33.57	60.4
7.800	2.55	3.27	2.55	3.27	HS 51.03	91.9
7.900	6.44	2.39	6.44	2.39	HS 47.72	85.9
8.000	10.48	1.31	10.48	1.31	HS 26.21	47.2
8.000	10.48	1.31	10.48	1.31	HS 26.21	47.2
8.100	6.29	2.39	6.29	2.39	HS 47.75	85.9
8.200	2.55	3.28	2.55	3.28	HS 50.93	91.7
8.300	1.67	4.12	1.67	4.12	HS 33.48	60.3
8.400	1.45	5.32	1.45	5.32	HS 29.01	52.2
8.500	1.47	7.23	1.47	7.23	HS 29.40	52.9
8.600	1.45	5.38	1.45	5.38	HS 28.94	52.1
8.700	1.67	4.18	1.67	4.18	HS 33.33	60.0
8.800	2.53	3.33	2.53	3.33	HS 50.62	91.1
8.900	6.23	2.42	6.23	2.42	HS 48.48	87.3
9.000	8.52	1.33	8.52	1.33	HS 26.61	47.9
9.000	8.52	1.33	8.52	1.33	HS 26.61	47.9
9.100	6.16	2.40	6.16	2.40	HS 48.06	86.5
9.200	2.54	3.28	2.54	3.28	HS 50.87	91.6
9.300	1.69	4.11	1.69	4.11	HS 33.78	60.8
9.400	1.48	5.28	1.48	5.28	HS 29.56	53.2
9.500	1.50	5.85	1.50	5.85	HS 30.03	54.1
9.600	1.49	4.29	1.49	4.29	HS 29.79	53.6
9.700	1.73	3.31	1.73	3.31	HS 34.59	62.3
9.800	2.66	2.62	2.66	2.62	HS 52.43	94.4
9.900	7.83	2.01	7.83	2.01	HS 40.13	72.2
10.000	10.57	1.20	10.57	1.20	HS 24.04	43.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	10.57	1.20	10.57	1.20	HS 24.04	43.3
10.100	7.95	2.69	7.95	2.69	HS 53.82	96.9
10.200	2.81	3.57	2.81	3.57	HS 56.16	101.1
10.300	1.71	4.29	1.71	4.29	HS 34.25	61.7
10.400	1.42	5.18	1.42	5.18	HS 28.46	51.2
10.500	1.32	6.34	1.32	6.34	HS 26.36	47.4
10.600	1.23	7.98	1.23	7.98	HS 24.66	44.4
10.700	1.25	10.57	1.25	10.57	HS 24.91	44.8
10.800	1.50	15.55	1.50	15.55	HS 30.08	54.1
10.900	2.54	30.07	2.54	30.07	HS 50.85	91.5
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
 Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	15.0	74.46 L	46.51	57.28	35.77
1.200	2.8	25.8	121.14 L	79.47	93.18	61.13
1.300	3.5	32.2	142.83 L	101.42	109.87	78.01
1.400	3.7	34.4	143.13 L	110.70	110.10	85.15
1.500	3.5	32.2	134.99 L	110.27	103.84	84.83
1.600	2.8	25.4	128.16 L	98.93	98.59	76.10
1.700	1.7	14.4	110.76 L	80.07	85.20	61.59
1.800	0.1	-1.0	71.18 L	52.92	54.76	40.70
1.900	-2.0	-20.7	-69.02 L	-64.36	-53.10	-49.51
2.000	-4.5	-44.7	-115.68 L	-106.66	-88.99	-82.05
2.000	-4.5	-44.7	-115.68 L	-106.66	-88.99	-82.05
2.100	-2.6	-24.0	-75.60 R	-65.20	-58.15	-50.15
2.200	-1.0	-7.7	65.10 R	45.48	50.07	34.99
2.300	0.1	4.3	95.41 R	68.82	73.39	52.94
2.400	0.8	12.0	107.38 R	83.25	82.60	64.04
2.500	1.2	15.5	105.00 L	89.43	80.77	68.79
2.600	1.1	14.3	107.17 L	84.82	82.44	65.25
2.700	0.7	8.8	95.90 L	71.92	73.77	55.32
2.800	-0.1	-1.0	66.18 L	50.41	50.90	38.78
2.900	-1.3	-15.1	-65.66 L	-59.35	-50.51	-45.66
3.000	-2.9	-33.5	-109.54 L	-99.28	-84.26	-76.37
3.000	-2.9	-33.5	-109.54 L	-99.28	-84.26	-76.37
3.100	-1.2	-14.3	-65.31 R	-58.86	-50.24	-45.28
3.200	0.1	0.6	66.06 R	50.05	50.82	38.50
3.300	1.0	11.2	96.18 R	72.77	73.98	55.97
3.400	1.6	17.5	107.91 R	86.39	83.01	66.46
3.500	1.7	19.5	105.35 R	91.75	81.04	70.58
3.600	1.5	16.9	107.95 L	86.32	83.04	66.40
3.700	0.9	10.0	96.23 L	72.61	74.03	55.85
3.800	-0.1	-1.2	66.14 L	50.36	50.88	38.74
3.900	-1.5	-16.7	-65.64 L	-60.21	-50.49	-46.31
4.000	-3.3	-36.5	-109.67 L	-100.89	-84.36	-77.60

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	
4.000	-3.3	-36.5	-109.67	L	-100.89	-84.36	-77.60
4.100	-1.6	-16.9	-65.61	R	-60.27	-50.47	-46.36
4.200	-0.2	-1.6	66.13	R	49.52	50.87	38.09
4.300	0.8	9.4	96.23	R	72.33	74.03	55.64
4.400	1.4	16.1	107.95	R	86.05	83.04	66.19
4.500	1.6	18.5	105.37	R	91.50	81.05	70.38
4.600	1.4	16.2	107.95	L	86.15	83.04	66.27
4.700	0.8	9.7	96.24	L	72.53	74.03	55.79
4.800	-0.1	-1.1	66.14	L	50.38	50.88	38.76
4.900	-1.5	-16.3	-65.63	L	-60.10	-50.49	-46.23
5.000	-3.2	-35.7	-109.68	L	-100.68	-84.37	-77.45
5.000	-3.2	-35.7	-109.68	L	-100.68	-84.37	-77.45
5.100	-1.5	-16.2	-65.63	R	-60.09	-50.49	-46.22
5.200	-0.1	-1.0	66.14	R	49.83	50.88	38.33
5.300	0.9	9.9	96.24	R	72.59	74.03	55.84
5.400	1.4	16.4	107.95	R	86.25	83.04	66.34
5.500	1.6	18.7	105.37	L	91.64	81.05	70.49
5.600	1.4	16.4	107.95	L	86.23	83.04	66.33
5.700	0.8	9.7	96.24	L	72.56	74.03	55.82
5.800	-0.1	-1.2	66.14	L	50.36	50.88	38.74
5.900	-1.5	-16.4	-65.63	L	-60.17	-50.49	-46.28
6.000	-3.3	-36.0	-109.68	R	-100.81	-84.37	-77.54
6.000	-3.3	-36.0	-109.68	R	-100.81	-84.37	-77.54
6.100	-1.5	-16.4	-65.63	R	-60.20	-50.49	-46.30
6.200	-0.1	-1.2	66.14	R	49.79	50.88	38.30
6.300	0.8	9.7	96.24	R	72.56	74.03	55.82
6.400	1.4	16.4	107.96	R	86.23	83.04	66.33
6.500	1.6	18.7	105.37	L	91.64	81.05	70.49
6.600	1.4	16.4	107.95	L	86.25	83.04	66.34
6.700	0.9	9.9	96.24	L	72.59	74.03	55.84
6.800	-0.1	-1.0	66.14	L	50.40	50.88	38.77
6.900	-1.5	-16.2	-65.63	L	-60.06	-50.49	-46.20
7.000	-3.2	-35.7	-109.68	L	-100.68	-84.37	-77.45

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-35.7	-109.68 L	-100.68	-84.37	-77.45
7.100	-1.5	-16.3	-65.63 R	-60.13	-50.49	-46.25
7.200	-0.1	-1.1	66.14 R	49.81	50.88	38.32
7.300	0.8	9.7	96.24 R	72.53	74.03	55.79
7.400	1.4	16.2	107.96 R	86.15	83.04	66.27
7.500	1.6	18.5	105.37 L	91.50	81.05	70.38
7.600	1.4	16.1	107.95 L	86.05	83.04	66.19
7.700	0.8	9.4	96.23 L	72.33	74.03	55.64
7.800	-0.2	-1.6	66.13 L	50.09	50.87	38.53
7.900	-1.6	-16.9	-65.61 L	-60.24	-50.47	-46.34
8.000	-3.3	-36.5	-109.67 R	-100.89	-84.36	-77.60
8.000	-3.3	-36.5	-109.67 R	-100.89	-84.36	-77.60
8.100	-1.5	-16.7	-65.64 R	-60.23	-50.49	-46.33
8.200	-0.1	-1.2	66.14 R	49.79	50.88	38.30
8.300	0.9	10.0	96.23 R	72.61	74.03	55.85
8.400	1.5	16.9	107.95 R	86.32	83.04	66.40
8.500	1.7	19.5	105.35 L	91.75	81.04	70.58
8.600	1.6	17.5	107.91 L	86.39	83.01	66.46
8.700	1.0	11.2	96.18 L	72.77	73.98	55.97
8.800	0.1	0.6	66.06 L	50.62	50.82	38.94
8.900	-1.2	-14.3	-65.31 L	-58.83	-50.24	-45.25
9.000	-2.9	-33.5	-109.54 R	-99.28	-84.26	-76.37
9.000	-2.9	-33.5	-109.54 R	-99.28	-84.26	-76.37
9.100	-1.3	-15.1	-65.66 R	-59.38	-50.51	-45.68
9.200	-0.1	-1.0	66.18 R	49.84	50.90	38.34
9.300	0.7	8.8	95.90 R	71.92	73.77	55.32
9.400	1.1	14.3	107.17 R	84.82	82.44	65.25
9.500	1.2	15.5	105.00 R	89.43	80.77	68.79
9.600	0.8	12.0	107.38 L	83.25	82.60	64.04
9.700	0.1	4.3	95.41 L	68.82	73.39	52.94
9.800	-1.0	-7.7	65.10 L	46.06	50.07	35.43
9.900	-2.6	-24.0	-75.60 L	-65.17	-58.15	-50.13
10.000	-4.5	-44.7	-114.96 R	-106.66	-88.43	-82.05

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-44.7	-114.96 R	-106.66	-88.43	-82.05
10.100	-2.0	-20.7	-69.02 R	-64.38	-53.10	-49.53
10.200	0.1	-1.0	71.18 R	52.92	54.76	40.70
10.300	1.7	14.4	110.76 R	80.07	85.20	61.59
10.400	2.8	25.4	128.16 R	98.93	98.59	76.10
10.500	3.5	32.2	134.99 R	110.27	103.84	84.83
10.600	3.7	34.4	143.13 R	110.70	110.10	85.15
10.700	3.5	32.2	142.83 R	101.42	109.87	78.01
10.800	2.8	25.8	121.14 R	79.47	93.18	61.13
10.900	1.6	15.0	74.46 R	46.51	57.28	35.77
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	343.0	302.8	-336.1	-376.
1.200	359.7C	319.4	-319.4	-359.7C	331.1	290.9	-348.0	-388.
1.300	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.400	359.7C	319.4	-319.4	-359.7C	321.6	281.3	-357.5	-397.
1.500	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.600	359.7C	319.4	-319.4	-359.7C	331.4	291.2	-347.7	-387.
1.700	359.7C	319.4	-319.4	-359.7C	343.6	303.4	-335.5	-375.
1.800	359.7C	319.4	-319.4	-359.7C	360.6	320.3	-318.5	-358.
1.900	359.7C	319.4	-319.4	-359.7C	382.3	342.1	-296.8	-337.
2.000	359.7C	319.4	-319.4	-359.7C	408.8	368.6	-270.3	-310.
2.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.
2.100	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
2.200	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
2.300	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
2.400	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
2.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
2.600	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
2.700	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
2.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
2.900	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.

2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
1	3.100	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.
3	3.200	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
9	3.300	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
7	3.400	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	3.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
1	3.600	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5	3.700	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
3	3.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4	3.900	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
8	4.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

HS20

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
.									
8	4.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
1	4.100	300.6C	268.7	-268.7	-300.6C	319.1	287.1	-250.2	-282.
8	4.200	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
8	4.300	300.6C	268.7	-268.7	-300.6C	290.5	258.5	-278.8	-310.
1	4.400	300.6C	268.7	-268.7	-300.6C	283.2	251.2	-286.1	-318.
7	4.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
3	4.600	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
2	4.700	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
4	4.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
9	4.900	300.6C	268.7	-268.7	-300.6C	318.4	286.4	-250.9	-282.
7	5.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
7	5.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
9	5.100	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-282.
5	5.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
3	5.300	300.6C	268.7	-268.7	-300.6C	289.9	257.9	-279.4	-311.
5	5.400	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
0	5.500	300.6C	268.7	-268.7	-300.6C	280.3	248.3	-289.0	-321.
5	5.600	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
2	5.700	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
3	5.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
7	5.900	300.6C	268.7	-268.7	-300.6C	318.6	286.6	-250.7	-282.

4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
7	6.100	300.6C	268.7	-268.7	-300.6C	318.6	286.6	-250.7	-282.
3	6.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
5	6.400	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
0	6.500	300.6C	268.7	-268.7	-300.6C	280.3	248.3	-289.0	-321.
5	6.600	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
3	6.700	300.6C	268.7	-268.7	-300.6C	289.9	257.9	-279.4	-311.
5	6.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
9	6.900	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-282.
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

HS20

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
9	7.100	300.6C	268.7	-268.7	-300.6C	318.4	286.4	-250.9	-282.
4	7.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	7.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
3	7.400	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
7	7.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
1	7.600	300.6C	268.7	-268.7	-300.6C	283.2	251.2	-286.1	-318.
8	7.700	300.6C	268.7	-268.7	-300.6C	290.5	258.5	-278.8	-310.
8	7.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
1	7.900	300.6C	268.7	-268.7	-300.6C	319.1	287.1	-250.2	-282.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
4	8.100	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
3	8.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
5	8.300	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
1	8.400	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
9	8.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
7	8.600	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	8.700	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
3	8.800	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
1	8.900	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.

2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.100	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.
5	9.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
1	9.300	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
0	9.400	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
3	9.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	9.600	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
0	9.700	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
9	9.800	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
0	9.900	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
5	10.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
10.000	359.7C	268.7	-268.7	-359.7C	408.8	317.8	-219.5	-310.
10.100	359.7C	319.4	-319.4	-359.7C	382.3	342.1	-296.8	-337.
10.200	359.7C	319.4	-319.4	-359.7C	360.6	320.3	-318.5	-358.
10.300	359.7C	319.4	-319.4	-359.7C	343.6	303.4	-335.5	-375.
10.400	359.7C	319.4	-319.4	-359.7C	331.4	291.2	-347.7	-387.
10.500	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
10.600	359.7C	319.4	-319.4	-359.7C	321.6	281.3	-357.5	-397.
10.700	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
10.800	359.7C	319.4	-319.4	-359.7C	331.1	290.9	-348.0	-388.
10.900	359.7C	319.4	-319.4	-359.7C	343.0	302.8	-336.1	-376.
11.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	HS 999.00 999.0
1.100	4.61	48.28	4.07	54.07	HS 81.33 146.4
1.200	2.73	25.00	2.40	27.89	HS 48.02 86.4
1.300	2.27	17.01	1.99	18.93	HS 39.73 71.5
1.400	2.25	12.84	1.97	14.29	HS 39.31 70.8
1.500	2.40	10.20	2.10	11.36	HS 42.03 75.7
1.600	2.59	8.32	2.27	9.29	HS 45.44 81.8
1.700	3.10	6.89	2.74	7.71	HS 54.78 98.6
1.800	5.07	5.72	4.50	6.44	HS 90.00 162.0
1.900	14.55	4.30	13.02	4.88	HS 85.99 154.8
2.000	21.92	2.34	19.76	2.68	HS 46.73 84.1
2.000	18.75	1.90	17.04	2.17	HS 37.95 68.3
2.100	13.68	3.20	12.34	3.62	HS 64.04 115.3
2.200	4.75	4.20	4.26	4.71	HS 83.91 151.0
2.300	3.11	5.31	2.77	5.93	HS 55.39 99.7
2.400	2.68	6.88	2.38	7.66	HS 47.64 85.8
2.500	2.70	9.39	2.40	10.44	HS 48.00 86.4
2.600	2.66	8.47	2.36	9.43	HS 47.26 85.1
2.700	3.04	6.59	2.70	7.34	HS 54.05 97.3
2.800	4.56	5.25	4.08	5.88	HS 81.54 146.8
2.900	11.19	3.84	10.06	4.33	HS 76.82 138.3
3.000	15.16	2.12	13.72	2.41	HS 42.40 76.3
3.000	15.16	2.12	13.72	2.41	HS 42.40 76.3
3.100	10.94	3.88	9.83	4.36	HS 77.51 139.5
3.200	4.54	5.34	4.06	5.98	HS 81.12 146.0
3.300	3.00	6.71	2.67	7.48	HS 53.32 96.0
3.400	2.61	8.64	2.31	9.60	HS 46.25 83.2
3.500	2.65	11.62	2.35	12.90	HS 46.96 84.5
3.600	2.61	8.54	2.32	9.49	HS 46.36 83.4
3.700	3.01	6.61	2.68	7.37	HS 53.57 96.4
3.800	4.57	5.25	4.08	5.88	HS 81.64 147.0
3.900	11.43	3.82	10.28	4.30	HS 76.30 137.3
4.000	18.63	2.09	16.88	2.38	HS 41.73 75.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
4.000	18.63	2.09	16.88	2.38	HS 41.73	75.1
4.100	11.30	3.81	10.17	4.30	HS 76.26	137.3
4.200	4.57	5.24	4.09	5.87	HS 81.80	147.2
4.300	3.02	6.60	2.69	7.36	HS 53.72	96.7
4.400	2.62	8.51	2.33	9.46	HS 46.54	83.8
4.500	2.66	11.38	2.36	12.64	HS 47.19	84.9
4.600	2.62	8.52	2.33	9.47	HS 46.51	83.7
4.700	3.02	6.61	2.68	7.36	HS 53.64	96.6
4.800	4.57	5.25	4.08	5.88	HS 81.62	146.9
4.900	11.32	3.82	10.19	4.31	HS 76.45	137.6
5.000	18.28	2.10	16.56	2.39	HS 41.89	75.4
5.000	18.28	2.10	16.56	2.39	HS 41.89	75.4
5.100	11.13	3.82	10.01	4.31	HS 76.48	137.7
5.200	4.56	5.25	4.08	5.88	HS 81.58	146.9
5.300	3.01	6.61	2.68	7.37	HS 53.61	96.5
5.400	2.62	8.52	2.32	9.48	HS 46.46	83.6
5.500	2.66	11.42	2.36	12.69	HS 47.13	84.8
5.600	2.62	8.52	2.32	9.47	HS 46.47	83.6
5.700	3.01	6.61	2.68	7.36	HS 53.63	96.5
5.800	4.57	5.25	4.08	5.88	HS 81.64	147.0
5.900	11.35	3.82	10.21	4.31	HS 76.40	137.5
6.000	18.38	2.09	16.65	2.38	HS 41.84	75.3
6.000	18.38	2.09	16.65	2.38	HS 41.84	75.3
6.100	11.16	3.82	10.04	4.31	HS 76.40	137.5
6.200	4.57	5.25	4.08	5.88	HS 81.64	147.0
6.300	3.01	6.61	2.68	7.36	HS 53.63	96.5
6.400	2.62	8.52	2.32	9.47	HS 46.47	83.6
6.500	2.66	11.42	2.36	12.69	HS 47.13	84.8
6.600	2.62	8.52	2.32	9.48	HS 46.46	83.6
6.700	3.01	6.61	2.68	7.37	HS 53.61	96.5
6.800	4.56	5.25	4.08	5.88	HS 81.59	146.9
6.900	11.32	3.82	10.18	4.31	HS 76.48	137.7
7.000	18.28	2.10	16.56	2.39	HS 41.89	75.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	18.28	2.10	16.56	2.39	HS 41.89	75.4
7.100	11.13	3.82	10.02	4.31	HS 76.45	137.6
7.200	4.57	5.25	4.08	5.88	HS 81.62	146.9
7.300	3.02	6.61	2.68	7.36	HS 53.64	96.6
7.400	2.62	8.52	2.33	9.47	HS 46.51	83.7
7.500	2.66	11.38	2.36	12.64	HS 47.19	84.9
7.600	2.62	8.51	2.33	9.46	HS 46.54	83.8
7.700	3.02	6.60	2.69	7.36	HS 53.72	96.7
7.800	4.57	5.24	4.09	5.87	HS 81.80	147.2
7.900	11.49	3.81	10.34	4.30	HS 76.26	137.3
8.000	18.63	2.09	16.88	2.38	HS 41.73	75.1
8.000	18.63	2.09	16.88	2.38	HS 41.73	75.1
8.100	11.24	3.82	10.11	4.30	HS 76.30	137.3
8.200	4.57	5.25	4.08	5.88	HS 81.64	147.0
8.300	3.01	6.61	2.68	7.37	HS 53.57	96.4
8.400	2.61	8.54	2.32	9.49	HS 46.36	83.4
8.500	2.65	11.62	2.35	12.90	HS 46.96	84.5
8.600	2.61	8.64	2.31	9.60	HS 46.25	83.2
8.700	3.00	6.71	2.67	7.48	HS 53.32	96.0
8.800	4.54	5.34	4.06	5.98	HS 81.12	146.0
8.900	11.12	3.88	10.00	4.36	HS 77.51	139.5
9.000	15.16	2.12	13.72	2.41	HS 42.40	76.3
9.000	15.16	2.12	13.72	2.41	HS 42.40	76.3
9.100	11.01	3.84	9.90	4.33	HS 76.82	138.3
9.200	4.56	5.25	4.08	5.88	HS 81.54	146.8
9.300	3.04	6.59	2.70	7.34	HS 54.05	97.3
9.400	2.66	8.47	2.36	9.43	HS 47.26	85.1
9.500	2.70	9.39	2.40	10.44	HS 48.00	86.4
9.600	2.68	6.88	2.38	7.66	HS 47.64	85.8
9.700	3.11	5.31	2.77	5.93	HS 55.39	99.7
9.800	4.75	4.20	4.26	4.71	HS 83.91	151.0
9.900	13.96	3.20	12.59	3.62	HS 64.04	115.3
10.000	18.75	1.91	17.04	2.19	HS 38.19	68.7

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	21.92	1.91	17.04	2.70	HS 38.19	68.7
10.100	14.28	4.30	12.78	4.88	HS 85.99	154.8
10.200	5.07	5.72	4.50	6.44	HS 90.00	162.0
10.300	3.10	6.89	2.74	7.71	HS 54.78	98.6
10.400	2.59	8.32	2.27	9.29	HS 45.44	81.8
10.500	2.40	10.20	2.10	11.36	HS 42.03	75.7
10.600	2.25	12.84	1.97	14.29	HS 39.31	70.8
10.700	2.27	17.01	1.99	18.93	HS 39.73	71.5
10.800	2.73	25.00	2.40	27.89	HS 48.02	86.4
10.900	4.61	48.28	4.07	54.06	HS 81.33	146.4
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.9	35.63	27.51	27.41	21.16
1.100	0.6	5.2	29.78	23.60	22.91	18.15
1.200	0.4	3.4	24.23	19.88	18.64	15.29
1.300	0.2	1.7	19.04	16.39	14.65	12.61
1.400	0.0	-0.1	14.31	13.14	11.01	10.11
1.500	-0.2	-1.8	-16.77	-15.50	-12.90	-11.92
1.600	-0.4	-3.6	-20.25	-18.55	-15.58	-14.27
1.700	-0.5	-5.3	-25.94	-21.53	-19.95	-16.56
1.800	-0.7	-7.0	-31.40	-24.42	-24.15	-18.78
1.900	-0.9	-8.7	-36.40	-27.15	-28.00	-20.89
2.000	-1.1	-10.4	-40.86	-29.69	-31.43	-22.84
2.000	0.8	-10.4	38.90	29.41	29.92	22.63
2.100	0.7	7.4	33.68	26.57	25.90	20.44
2.200	0.5	5.7	28.40	23.46	21.85	18.05
2.300	0.4	4.0	23.00	20.18	17.69	15.53
2.400	0.2	2.2	18.91	16.86	14.54	12.97
2.500	0.1	0.5	14.79	13.59	11.38	10.45
2.600	-0.1	-1.3	-18.64	-16.43	-14.34	-12.64
2.700	-0.2	-3.1	-22.82	-19.76	-17.55	-15.20
2.800	-0.4	-4.8	-28.19	-23.05	-21.69	-17.73
2.900	-0.6	-6.5	-33.45	-26.18	-25.73	-20.14
3.000	-0.7	-8.2	-38.37	-29.05	-29.52	-22.35
3.000	0.8	8.6	38.42	29.25	29.56	22.50
3.100	0.6	6.8	33.52	26.39	25.78	20.30
3.200	0.5	5.1	28.27	23.26	21.74	17.90
3.300	0.3	3.4	22.89	19.98	17.61	15.37
3.400	0.1	1.7	18.67	16.66	14.36	12.81
3.500	0.0	-0.1	14.60	-13.48	11.23	-10.37
3.600	-0.2	-1.9	-18.67	-16.74	-14.36	-12.88
3.700	-0.3	-3.6	-22.88	-20.07	-17.60	-15.44
3.800	-0.5	-5.3	-28.26	-23.35	-21.74	-17.96
3.900	-0.6	-7.1	-33.51	-26.48	-25.78	-20.37
4.000	-0.8	-8.8	-38.42	-29.34	-29.55	-22.57

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-8.8	38.42	29.33	29.56	22.56
4.100	0.6	7.0	33.51	26.47	25.78	20.36
4.200	0.5	5.3	28.26	23.34	21.74	17.95
4.300	0.3	3.5	22.89	20.06	17.61	15.43
4.400	0.2	1.8	18.67	16.73	14.36	12.87
4.500	0.0	0.1	14.61	13.47	11.23	10.36
4.600	-0.2	-1.8	-18.67	-16.71	-14.36	-12.85
4.700	-0.3	-3.5	-22.89	-20.03	-17.61	-15.41
4.800	-0.5	-5.2	-28.26	-23.31	-21.74	-17.93
4.900	-0.6	-6.9	-33.51	-26.44	-25.78	-20.34
5.000	-0.8	-8.6	-38.42	-29.30	-29.56	-22.54
5.000	0.8	8.6	38.42	29.31	29.56	22.55
5.100	0.6	6.9	33.51	26.45	25.78	20.35
5.200	0.5	5.2	28.26	23.33	21.74	17.94
5.300	0.3	3.5	22.89	20.05	17.61	15.42
5.400	0.2	1.8	18.67	16.72	14.36	12.86
5.500	0.0	0.1	14.61	-13.46	11.24	-10.36
5.600	-0.2	-1.8	-18.67	-16.73	-14.36	-12.87
5.700	-0.3	-3.5	-22.89	-20.05	-17.61	-15.43
5.800	-0.5	-5.2	-28.26	-23.34	-21.74	-17.95
5.900	-0.6	-7.0	-33.51	-26.46	-25.78	-20.36
6.000	-0.8	-8.7	-38.42	-29.32	-29.56	-22.56
6.000	0.8	8.7	38.42	29.32	29.56	22.56
6.100	0.6	7.0	33.51	26.46	25.78	20.36
6.200	0.5	5.2	28.26	23.34	21.74	17.95
6.300	0.3	3.5	22.89	20.05	17.61	15.43
6.400	0.2	1.8	18.67	16.73	14.36	12.87
6.500	0.0	0.1	14.61	13.46	11.24	10.36
6.600	-0.2	-1.8	-18.67	-16.72	-14.36	-12.86
6.700	-0.3	-3.5	-22.89	-20.05	-17.61	-15.42
6.800	-0.5	-5.2	-28.26	-23.33	-21.74	-17.94
6.900	-0.6	-6.9	-33.51	-26.45	-25.78	-20.35
7.000	-0.8	-8.6	-38.42	-29.31	-29.56	-22.55

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-8.6	38.42	29.30	29.56	22.54
7.100	0.6	6.9	33.51	26.44	25.78	20.34
7.200	0.5	5.2	28.26	23.31	21.74	17.93
7.300	0.3	3.5	22.89	20.03	17.61	15.41
7.400	0.2	1.8	18.67	16.71	14.36	12.85
7.500	0.0	0.1	14.61	-13.47	-11.24	-10.36
7.600	-0.2	-1.8	-18.67	-16.73	-14.36	-12.87
7.700	-0.3	-3.5	-22.89	-20.06	-17.61	-15.43
7.800	-0.5	-5.3	-28.26	-23.34	-21.74	-17.95
7.900	-0.6	-7.0	-33.51	-26.47	-25.78	-20.36
8.000	-0.8	-8.7	-38.42	-29.33	-29.56	-22.56
8.000	0.8	8.8	38.42	29.34	29.55	22.57
8.100	0.6	7.1	33.51	26.48	25.78	20.37
8.200	0.5	5.3	28.26	23.35	21.74	17.96
8.300	0.3	3.6	22.88	20.07	17.60	15.44
8.400	0.2	1.9	18.67	16.74	14.36	12.88
8.500	0.0	0.2	14.60	13.48	11.23	10.37
8.600	-0.1	-1.7	-18.67	-16.66	-14.36	-12.81
8.700	-0.3	-3.4	-22.89	-19.98	-17.61	-15.37
8.800	-0.5	-5.1	-28.27	-23.26	-21.74	-17.90
8.900	-0.6	-6.8	-33.52	-26.39	-25.78	-20.30
9.000	-0.8	-8.6	-38.42	-29.25	-29.56	-22.50
9.000	0.7	-8.6	38.37	29.05	29.52	22.35
9.100	0.6	6.5	33.45	26.18	25.73	20.14
9.200	0.4	4.8	28.19	23.05	21.69	17.73
9.300	0.2	3.1	22.82	19.76	17.55	15.20
9.400	0.1	1.3	18.64	16.43	14.34	12.64
9.500	-0.1	-0.4	-14.79	-13.59	-11.38	-10.45
9.600	-0.2	-2.2	-18.91	-16.86	-14.54	-12.97
9.700	-0.4	-4.0	-23.00	-20.18	-17.69	-15.53
9.800	-0.5	-5.7	-28.40	-23.46	-21.85	-18.05
9.900	-0.7	-7.4	-33.68	-26.57	-25.90	-20.44
10.000	-0.8	-9.1	-38.59	-29.41	-29.69	-22.63

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
10.000	1.1	10.4	40.86	29.69	31.43	22.84
10.100	0.9	8.7	36.40	27.15	28.00	20.89
10.200	0.7	7.0	31.40	24.42	24.15	18.78
10.300	0.5	5.3	25.94	21.53	19.95	16.56
10.400	0.4	3.6	20.25	18.55	15.58	14.27
10.500	0.2	1.9	16.77	15.50	12.90	11.92
10.600	0.0	0.1	-14.31	-13.14	-11.01	-10.11
10.700	-0.2	-1.7	-19.04	-16.39	-14.65	-12.61
10.800	-0.4	-3.4	-24.23	-19.88	-18.64	-15.29
10.900	-0.6	-5.2	-29.78	-23.60	-22.91	-18.15
11.000	-0.7	-6.9	-35.63	-27.51	-27.41	-21.16

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.0	124.8
1.100	172.1	-138.1	126.7
1.200	172.1	-136.2	128.6
1.300	172.1	-134.3	130.5
1.400	172.1	-132.4	132.4
1.500	172.1	-130.5	134.3
1.600	172.1	-128.4	136.3
1.700	172.1	-126.5	138.2
1.800	172.1	-124.6	140.1
1.900	172.1	-122.7	142.0
2.000	172.1	-120.8	143.9
2.000	151.3	-120.8	106.4
2.100	151.3	-124.4	108.3
2.200	151.3	-122.6	110.2
2.300	151.3	-120.7	112.0
2.400	151.3	-118.8	113.9
2.500	151.3	-116.9	115.8
2.600	151.3	-114.9	117.8
2.700	151.3	-113.1	119.7
2.800	151.3	-111.2	121.6
2.900	151.3	-109.3	123.4
3.000	151.3	-107.4	117.1
3.000	151.3	-107.4	107.1
3.100	151.3	-123.8	108.9
3.200	151.3	-121.9	110.8
3.300	151.3	-120.1	112.7
3.400	151.3	-118.2	114.6
3.500	151.3	-116.3	116.4
3.600	151.3	-114.3	118.4
3.700	151.3	-112.4	120.3
3.800	151.3	-110.5	122.2
3.900	151.3	-108.7	124.1
4.000	151.3	-106.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-106.8	106.9
4.100	151.3	-124.0	108.8
4.200	151.3	-122.1	110.6
4.300	151.3	-120.2	112.5
4.400	151.3	-118.3	114.4
4.500	151.3	-116.5	116.3
4.600	151.3	-114.5	118.3
4.700	151.3	-112.6	120.2
4.800	151.3	-110.7	122.0
4.900	151.3	-108.8	123.9
5.000	151.3	-107.0	117.1
5.000	151.3	-107.0	106.9
5.100	151.3	-123.9	108.8
5.200	151.3	-122.1	110.7
5.300	151.3	-120.2	112.6
5.400	151.3	-118.3	114.4
5.500	151.3	-116.4	116.3
5.600	151.3	-114.4	118.3
5.700	151.3	-112.5	120.2
5.800	151.3	-110.7	122.1
5.900	151.3	-108.8	124.0
6.000	151.3	-106.9	117.2
6.000	151.3	-106.9	106.9
6.100	151.3	-124.0	108.8
6.200	151.3	-122.1	110.7
6.300	151.3	-120.2	112.5
6.400	151.3	-118.3	114.4
6.500	151.3	-116.4	116.3
6.600	151.3	-114.4	118.3
6.700	151.3	-112.6	120.2
6.800	151.3	-110.7	122.1
6.900	151.3	-108.8	123.9
7.000	151.3	-106.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.9	107.0
7.100	151.3	-123.9	108.8
7.200	151.3	-122.0	110.7
7.300	151.3	-120.2	112.6
7.400	151.3	-118.3	114.5
7.500	151.3	-116.4	116.3
7.600	151.3	-114.4	118.3
7.700	151.3	-112.5	120.2
7.800	151.3	-110.6	122.1
7.900	151.3	-108.8	124.0
8.000	151.3	-106.9	117.2
8.000	151.3	-106.9	106.8
8.100	151.3	-124.1	108.7
8.200	151.3	-122.2	110.5
8.300	151.3	-120.3	112.4
8.400	151.3	-118.4	114.3
8.500	151.3	-116.6	116.2
8.600	151.3	-114.6	118.2
8.700	151.3	-112.7	120.1
8.800	151.3	-110.8	121.9
8.900	151.3	-108.9	123.8
9.000	151.3	-107.1	117.1
9.000	151.3	-107.1	107.4
9.100	151.3	-123.4	109.3
9.200	151.3	-121.6	111.2
9.300	151.3	-119.7	113.1
9.400	151.3	-117.8	114.9
9.500	151.3	-115.9	116.8
9.600	151.3	-113.9	118.8
9.700	151.3	-112.0	120.7
9.800	151.3	-110.2	122.6
9.900	151.3	-108.3	124.4
10.000	151.3	-106.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-106.4	120.8
10.100	172.1	-142.0	122.7
10.200	172.1	-140.1	124.6
10.300	172.1	-138.2	126.5
10.400	172.1	-136.3	128.4
10.500	172.1	-134.4	130.3
10.600	172.1	-132.4	132.4
10.700	172.1	-130.5	134.3
10.800	172.1	-128.6	136.2
10.900	172.1	-126.7	138.1
11.000	172.1	-124.8	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	52.48	3.50	HS 70.02	126.0
1.100	39.22	4.25	HS 85.06	153.1
1.200	20.84	5.31	HS 106.13	191.0
1.300	13.83	6.85	HS 137.01	246.6
1.400	10.37	9.25	HS 184.97	332.9
1.500	7.78	12.43	HS 155.63	280.1
1.600	6.34	18.15	HS 126.87	228.4
1.700	4.88	26.78	HS 97.58	175.6
1.800	3.97	44.51	HS 79.38	142.9
1.900	3.37	95.10	HS 67.44	121.4
2.000	2.96	201.34	HS 59.14	106.4
2.000	2.96	2.74	HS 54.71	98.5
2.100	37.33	3.22	HS 64.32	115.8
2.200	26.27	3.88	HS 77.58	139.6
2.300	16.80	4.87	HS 97.45	175.4
2.400	11.83	6.03	HS 120.51	216.9
2.500	8.03	7.83	HS 156.59	281.9
2.600	6.17	11.26	HS 123.33	222.0
2.700	4.95	15.76	HS 99.08	178.4
2.800	3.94	24.07	HS 78.87	142.0
2.900	3.27	29.32	HS 65.36	117.6
3.000	2.80	27.82	HS 56.00	100.8
3.000	2.80	2.79	HS 55.73	100.3
3.100	34.46	3.25	HS 65.01	117.0
3.200	24.51	3.92	HS 78.41	141.1
3.300	16.00	4.92	HS 98.45	177.2
3.400	11.40	6.14	HS 122.74	220.9
3.500	7.97	7.97	HS 159.29	286.7
3.600	6.12	11.52	HS 122.44	220.4
3.700	4.91	16.22	HS 98.25	176.9
3.800	3.91	25.02	HS 78.23	140.8
3.900	3.24	35.57	HS 64.86	116.7
4.000	2.78	34.06	HS 55.59	100.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	2.78	2.78	HS 55.59	100.1
4.100	34.90	3.24	HS 64.91	116.8
4.200	24.73	3.91	HS 78.29	140.9
4.300	16.10	4.92	HS 98.32	177.0
4.400	11.46	6.13	HS 122.53	220.5
4.500	7.97	7.96	HS 159.21	286.6
4.600	6.13	11.42	HS 122.61	220.7
4.700	4.92	16.03	HS 98.38	177.1
4.800	3.92	24.59	HS 78.34	141.0
4.900	3.25	34.65	HS 64.95	116.9
5.000	2.78	33.21	HS 55.68	100.2
5.000	2.78	2.78	HS 55.66	100.2
5.100	34.67	3.25	HS 64.94	116.9
5.200	24.61	3.92	HS 78.33	141.0
5.300	16.05	4.92	HS 98.36	177.0
5.400	11.43	6.13	HS 122.58	220.6
5.500	7.97	7.96	HS 159.28	286.7
5.600	6.13	11.44	HS 122.55	220.6
5.700	4.92	16.07	HS 98.34	177.0
5.800	3.91	24.66	HS 78.31	141.0
5.900	3.25	34.76	HS 64.92	116.9
6.000	2.78	33.31	HS 55.65	100.2
6.000	2.78	2.78	HS 55.65	100.2
6.100	34.76	3.25	HS 64.92	116.9
6.200	24.66	3.91	HS 78.31	141.0
6.300	16.07	4.92	HS 98.34	177.0
6.400	11.44	6.13	HS 122.55	220.6
6.500	7.97	7.96	HS 159.25	286.6
6.600	6.13	11.43	HS 122.58	220.6
6.700	4.92	16.05	HS 98.36	177.0
6.800	3.92	24.61	HS 78.33	141.0
6.900	3.25	34.67	HS 64.94	116.9
7.000	2.78	33.23	HS 55.66	100.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	2.78	2.78	HS 55.66	100.2
7.100	34.65	3.25	HS 64.95	116.9
7.200	24.59	3.92	HS 78.34	141.0
7.300	16.03	4.92	HS 98.38	177.1
7.400	11.42	6.13	HS 122.61	220.7
7.500	7.97	7.97	HS 159.32	286.8
7.600	6.13	11.46	HS 122.53	220.5
7.700	4.92	16.10	HS 98.31	177.0
7.800	3.91	24.73	HS 78.29	140.9
7.900	3.24	34.90	HS 64.91	116.8
8.000	2.78	33.44	HS 55.64	100.1
8.000	2.78	2.78	HS 55.59	100.1
8.100	35.57	3.24	HS 64.86	116.7
8.200	25.02	3.91	HS 78.23	140.8
8.300	16.22	4.91	HS 98.25	176.9
8.400	11.52	6.12	HS 122.44	220.4
8.500	7.98	7.96	HS 159.11	286.4
8.600	6.14	11.40	HS 122.74	220.9
8.700	4.92	16.00	HS 98.45	177.2
8.800	3.92	24.51	HS 78.41	141.1
8.900	3.25	34.46	HS 65.01	117.0
9.000	2.79	33.05	HS 55.73	100.3
9.000	2.79	2.80	HS 55.73	100.3
9.100	30.47	3.27	HS 65.36	117.6
9.200	24.07	3.94	HS 78.87	142.0
9.300	15.76	4.95	HS 99.08	178.4
9.400	11.26	6.17	HS 123.33	222.0
9.500	7.84	8.02	HS 156.76	282.2
9.600	6.03	11.83	HS 120.51	216.9
9.700	4.87	16.80	HS 97.45	175.4
9.800	3.88	26.27	HS 77.58	139.6
9.900	3.22	35.78	HS 64.32	115.8
10.000	2.76	33.69	HS 55.15	99.3

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	2.76	2.96	HS 55.15	99.3
10.100	95.10	3.37	HS 67.44	121.4
10.200	44.50	3.97	HS 79.38	142.9
10.300	26.78	4.88	HS 97.58	175.6
10.400	18.15	6.34	HS 126.87	228.4
10.500	12.45	7.77	HS 155.48	279.9
10.600	9.25	10.37	HS 184.97	332.9
10.700	6.85	13.83	HS 137.01	246.6
10.800	5.31	20.84	HS 106.13	191.0
10.900	4.25	39.22	HS 85.06	153.1
11.000	3.50	50.62	HS 70.02	126.0

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 48.9	332.2	332.2	-332.2	-332.2	315.5	315.5	-348.9	-3
1.200 60.8	332.2	332.2	-332.2	-332.2	303.6	303.6	-360.8	-3
1.300 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.400 70.3	332.2	332.2	-332.2	-332.2	294.1	294.1	-370.3	-3
1.500 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.600 60.5	332.2	332.2	-332.2	-332.2	303.9	303.9	-360.5	-3
1.700 48.2	332.2	332.2	-332.2	-332.2	316.2	316.2	-348.2	-3
1.800 31.3	332.2	332.2	-332.2	-332.2	333.1	333.1	-331.3	-3
1.900 09.6	332.2	332.2	-332.2	-332.2	354.8	354.8	-309.6	-3
2.000 83.1	332.2	332.2	-332.2	-332.2	381.3	381.3	-283.1	-2
2.000 30.3	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
2.100 52.8	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
2.200 70.6	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
2.300 83.8	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
2.400 92.3	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
2.500 96.0	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
2.600 94.8	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
2.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
2.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
2.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2

3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.100	279.4	279.4	-279.4	-279.4	294.9	294.9	-263.9	-2
63.9								
3.200	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
80.1								
3.300	279.4	279.4	-279.4	-279.4	267.1	267.1	-291.7	-2
91.7								
3.400	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
98.5								
3.500	279.4	279.4	-279.4	-279.4	258.1	258.1	-300.7	-3
00.7								
3.600	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
3.700	279.4	279.4	-279.4	-279.4	268.5	268.5	-290.3	-2
90.3								
3.800	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
78.1								
3.900	279.4	279.4	-279.4	-279.4	297.6	297.6	-261.2	-2
61.2								
4.000	279.4	279.4	-279.4	-279.4	319.3	319.3	-239.5	-2
39.5								

6.000 40.2	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
6.000 40.2	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
6.100 61.5	279.4	279.4	-279.4	-279.4	297.3	297.3	-261.5	-2
6.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
6.300 90.0	279.4	279.4	-279.4	-279.4	268.8	268.8	-290.0	-2
6.400 97.2	279.4	279.4	-279.4	-279.4	261.6	261.6	-297.2	-2
6.500 99.8	279.4	279.4	-279.4	-279.4	259.0	259.0	-299.8	-2
6.600 97.3	279.4	279.4	-279.4	-279.4	261.5	261.5	-297.3	-2
6.700 90.1	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
6.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
6.900 61.7	279.4	279.4	-279.4	-279.4	297.1	297.1	-261.7	-2
7.000 40.5	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2

9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
9.200	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
9.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
88.9								
9.400	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
94.8								
9.500	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
96.0								
9.600	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
92.3								
9.700	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
83.8								
9.800	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
70.6								
9.900	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
52.8								
10.000	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
30.3								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	4.24	50.12	4.24	50.12	HS 84.76	152.6
1.200	2.51	25.91	2.51	25.91	HS 50.13	90.2
1.300	2.08	17.62	2.08	17.62	HS 41.52	74.7
1.400	2.06	13.30	2.06	13.30	HS 41.10	74.0
1.500	2.20	10.57	2.20	10.57	HS 43.93	79.1
1.600	2.37	8.63	2.37	8.63	HS 47.43	85.4
1.700	2.85	7.15	2.85	7.15	HS 57.09	102.8
1.800	4.68	5.95	4.68	5.95	HS 93.59	168.5
1.900	13.50	4.49	13.50	4.49	HS 89.69	161.5
2.000	20.44	2.45	20.44	2.45	HS 48.94	88.1
2.000	17.61	1.99	17.61	1.99	HS 39.81	71.7
2.100	12.79	3.34	12.79	3.34	HS 66.88	120.4
2.200	4.43	4.37	4.43	4.37	HS 87.38	157.3
2.300	2.88	5.52	2.88	5.52	HS 57.65	103.8
2.400	2.48	7.15	2.48	7.15	HS 49.64	89.4
2.500	2.50	9.74	2.50	9.74	HS 50.05	90.1
2.600	2.46	8.79	2.46	8.79	HS 49.27	88.7
2.700	2.82	6.84	2.82	6.84	HS 56.30	101.3
2.800	4.24	5.47	4.24	5.47	HS 84.79	152.6
2.900	10.44	4.01	10.44	4.01	HS 80.09	144.2
3.000	14.20	2.22	14.20	2.22	HS 44.36	79.8
3.000	14.20	2.22	14.20	2.22	HS 44.36	79.8
3.100	10.21	4.04	10.21	4.04	HS 80.80	145.4
3.200	4.22	5.56	4.22	5.56	HS 84.37	151.9
3.300	2.78	6.97	2.78	6.97	HS 55.55	100.0
3.400	2.41	8.97	2.41	8.97	HS 48.24	86.8
3.500	2.45	12.05	2.45	12.05	HS 49.00	88.2
3.600	2.42	8.86	2.42	8.86	HS 48.35	87.0
3.700	2.79	6.87	2.79	6.87	HS 55.80	100.4
3.800	4.24	5.46	4.24	5.46	HS 84.89	152.8
3.900	10.67	3.98	10.67	3.98	HS 79.58	143.2
4.000	17.47	2.18	17.47	2.18	HS 43.69	78.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	17.47	2.18	17.47	2.18	HS 43.69	78.6
4.100	10.55	3.98	10.55	3.98	HS 79.53	143.2
4.200	4.25	5.45	4.25	5.45	HS 85.05	153.1
4.300	2.80	6.85	2.80	6.85	HS 55.96	100.7
4.400	2.43	8.83	2.43	8.83	HS 48.53	87.4
4.500	2.46	11.80	2.46	11.80	HS 49.23	88.6
4.600	2.42	8.84	2.42	8.84	HS 48.50	87.3
4.700	2.79	6.86	2.79	6.86	HS 55.88	100.6
4.800	4.24	5.46	4.24	5.46	HS 84.87	152.8
4.900	10.57	3.99	10.57	3.99	HS 79.73	143.5
5.000	17.14	2.19	17.14	2.19	HS 43.85	78.9
5.000	17.14	2.19	17.14	2.19	HS 43.85	78.9
5.100	10.39	3.99	10.39	3.99	HS 79.75	143.5
5.200	4.24	5.47	4.24	5.47	HS 84.83	152.7
5.300	2.79	6.86	2.79	6.86	HS 55.84	100.5
5.400	2.42	8.84	2.42	8.84	HS 48.45	87.2
5.500	2.46	11.85	2.46	11.85	HS 49.17	88.5
5.600	2.42	8.84	2.42	8.84	HS 48.46	87.2
5.700	2.79	6.86	2.79	6.86	HS 55.86	100.6
5.800	4.24	5.46	4.24	5.46	HS 84.89	152.8
5.900	10.59	3.98	10.59	3.98	HS 79.67	143.4
6.000	17.23	2.19	17.23	2.19	HS 43.80	78.8
6.000	17.23	2.19	17.23	2.19	HS 43.80	78.8
6.100	10.42	3.98	10.42	3.98	HS 79.67	143.4
6.200	4.24	5.46	4.24	5.46	HS 84.89	152.8
6.300	2.79	6.86	2.79	6.86	HS 55.86	100.6
6.400	2.42	8.84	2.42	8.84	HS 48.46	87.2
6.500	2.46	11.85	2.46	11.85	HS 49.17	88.5
6.600	2.42	8.84	2.42	8.84	HS 48.45	87.2
6.700	2.79	6.86	2.79	6.86	HS 55.84	100.5
6.800	4.24	5.47	4.24	5.47	HS 84.83	152.7
6.900	10.56	3.99	10.56	3.99	HS 79.75	143.6
7.000	17.14	2.19	17.14	2.19	HS 43.85	78.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	17.14	2.19	17.14	2.19	HS 43.85	78.9
7.100	10.39	3.99	10.39	3.99	HS 79.73	143.5
7.200	4.24	5.46	4.24	5.46	HS 84.87	152.8
7.300	2.79	6.86	2.79	6.86	HS 55.88	100.6
7.400	2.42	8.84	2.42	8.84	HS 48.50	87.3
7.500	2.46	11.80	2.46	11.80	HS 49.23	88.6
7.600	2.43	8.83	2.43	8.83	HS 48.53	87.4
7.700	2.80	6.85	2.80	6.85	HS 55.96	100.7
7.800	4.25	5.45	4.25	5.45	HS 85.05	153.1
7.900	10.73	3.98	10.73	3.98	HS 79.53	143.2
8.000	17.47	2.18	17.47	2.18	HS 43.69	78.6
8.000	17.47	2.18	17.47	2.18	HS 43.69	78.6
8.100	10.49	3.98	10.49	3.98	HS 79.58	143.2
8.200	4.24	5.46	4.24	5.46	HS 84.89	152.8
8.300	2.79	6.87	2.79	6.87	HS 55.80	100.4
8.400	2.42	8.86	2.42	8.86	HS 48.35	87.0
8.500	2.45	12.05	2.45	12.05	HS 49.00	88.2
8.600	2.41	8.97	2.41	8.97	HS 48.24	86.8
8.700	2.78	6.97	2.78	6.97	HS 55.55	100.0
8.800	4.22	5.56	4.22	5.56	HS 84.37	151.9
8.900	10.38	4.04	10.38	4.04	HS 80.80	145.4
9.000	14.20	2.22	14.20	2.22	HS 44.36	79.8
9.000	14.20	2.22	14.20	2.22	HS 44.36	79.8
9.100	10.27	4.01	10.27	4.01	HS 80.09	144.2
9.200	4.24	5.47	4.24	5.47	HS 84.79	152.6
9.300	2.82	6.84	2.82	6.84	HS 56.29	101.3
9.400	2.46	8.79	2.46	8.79	HS 49.27	88.7
9.500	2.50	9.74	2.50	9.74	HS 50.05	90.1
9.600	2.48	7.15	2.48	7.15	HS 49.64	89.4
9.700	2.88	5.52	2.88	5.52	HS 57.65	103.8
9.800	4.43	4.37	4.43	4.37	HS 87.38	157.3
9.900	13.05	3.34	13.05	3.34	HS 66.88	120.4
10.000	17.61	2.00	17.61	2.00	HS 40.06	72.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	17.61	2.00	17.61	2.00	HS 40.06	72.1
10.100	13.26	4.49	13.26	4.49	HS 89.69	161.4
10.200	4.68	5.95	4.68	5.95	HS 93.59	168.5
10.300	2.85	7.15	2.85	7.15	HS 57.09	102.8
10.400	2.37	8.63	2.37	8.63	HS 47.43	85.4
10.500	2.20	10.57	2.20	10.57	HS 43.93	79.1
10.600	2.06	13.30	2.06	13.30	HS 41.10	74.0
10.700	2.08	17.62	2.08	17.62	HS 41.52	74.7
10.800	2.51	25.91	2.51	25.91	HS 50.13	90.2
10.900	4.24	50.12	4.24	50.12	HS 84.76	152.6
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	15.0	44.64 R	0.00
1.200	2.8	25.8	74.91 R	0.00
1.300	3.5	32.2	91.71 R	0.00
1.400	3.7	34.4	96.32 R	0.00
1.500	3.5	32.2	92.20 L	0.00
1.600	2.8	25.4	86.60 L	0.00
1.700	1.7	14.4	70.45 L	0.00
1.800	0.1	-1.0	45.75 L	0.00
1.900	-2.0	-20.7	-40.83 R	0.00
2.000	-4.5	-44.7	-49.96 L	0.00
2.000	-4.5	-44.7	-49.96 L	0.00
2.100	-2.6	-24.0	-43.62 L	0.00
2.200	-1.0	-7.7	42.08 R	0.00
2.300	0.1	4.3	62.30 R	0.00
2.400	0.8	12.0	73.40 R	0.00
2.500	1.2	15.5	74.76 R	0.00
2.600	1.1	14.3	73.61 L	0.00
2.700	0.7	8.8	62.78 L	0.00
2.800	-0.1	-1.0	42.73 L	0.00
2.900	-1.3	-15.1	-38.85 R	0.00
3.000	-2.9	-33.5	-44.52 R	0.00
3.000	-2.9	-33.5	-44.52 R	0.00
3.100	-1.2	-14.3	-38.64 L	0.00
3.200	0.1	0.6	42.67 R	0.00
3.300	1.0	11.2	62.83 R	0.00
3.400	1.6	17.5	73.79 R	0.00
3.500	1.7	19.5	75.01 R	0.00
3.600	1.5	16.9	73.80 L	0.00
3.700	0.9	10.0	62.86 L	0.00
3.800	-0.1	-1.2	42.72 L	0.00
3.900	-1.5	-16.7	-38.82 R	0.00
4.000	-3.3	-36.5	-44.46 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-36.5	-44.46 R 0.00	-34.20 0.00
4.100	-1.6	-16.9	-38.81 L 0.00	-29.85 0.00
4.200	-0.2	-1.6	42.72 R 0.00	32.86 0.00
4.300	0.8	9.4	62.86 R 0.00	48.36 0.00
4.400	1.4	16.1	73.82 R 0.00	56.78 0.00
4.500	1.6	18.5	75.03 R 0.00	57.71 0.00
4.600	1.4	16.2	73.82 L 0.00	56.78 0.00
4.700	0.8	9.7	62.87 L 0.00	48.36 0.00
4.800	-0.1	-1.1	42.72 L 0.00	32.86 0.00
4.900	-1.5	-16.3	-38.82 R 0.00	-29.86 0.00
5.000	-3.2	-35.7	-44.46 R 0.00	-34.20 0.00
5.000	-3.2	-35.7	-44.46 R 0.00	-34.20 0.00
5.100	-1.5	-16.2	-38.82 L 0.00	-29.86 0.00
5.200	-0.1	-1.0	42.72 R 0.00	32.86 0.00
5.300	0.9	9.9	62.87 R 0.00	48.36 0.00
5.400	1.4	16.4	73.82 R 0.00	56.78 0.00
5.500	1.6	18.7	75.03 L 0.00	57.71 0.00
5.600	1.4	16.4	73.82 L 0.00	56.78 0.00
5.700	0.8	9.7	62.87 L 0.00	48.36 0.00
5.800	-0.1	-1.2	42.72 L 0.00	32.86 0.00
5.900	-1.5	-16.4	-38.82 R 0.00	-29.86 0.00
6.000	-3.3	-36.0	-44.46 L 0.00	-34.20 0.00
6.000	-3.3	-36.0	-44.46 L 0.00	-34.20 0.00
6.100	-1.5	-16.4	-38.82 L 0.00	-29.86 0.00
6.200	-0.1	-1.2	42.72 R 0.00	32.86 0.00
6.300	0.8	9.7	62.87 R 0.00	48.36 0.00
6.400	1.4	16.4	73.82 R 0.00	56.78 0.00
6.500	1.6	18.7	75.03 L 0.00	57.71 0.00
6.600	1.4	16.4	73.82 L 0.00	56.78 0.00
6.700	0.9	9.9	62.87 L 0.00	48.36 0.00
6.800	-0.1	-1.0	42.72 L 0.00	32.86 0.00
6.900	-1.5	-16.2	-38.82 R 0.00	-29.86 0.00
7.000	-3.2	-35.7	-44.46 L 0.00	-34.20 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-35.7	-44.46 L	0.00
7.100	-1.5	-16.3	-38.82 L	0.00
7.200	-0.1	-1.1	42.72 R	0.00
7.300	0.8	9.7	62.87 R	0.00
7.400	1.4	16.2	73.82 R	0.00
7.500	1.6	18.5	75.03 L	0.00
7.600	1.4	16.1	73.82 L	0.00
7.700	0.8	9.4	62.86 L	0.00
7.800	-0.2	-1.6	42.72 L	0.00
7.900	-1.6	-16.9	-38.81 R	0.00
8.000	-3.3	-36.5	-44.46 L	0.00
8.000	-3.3	-36.5	-44.46 L	0.00
8.100	-1.5	-16.7	-38.82 L	0.00
8.200	-0.1	-1.2	42.72 R	0.00
8.300	0.9	10.0	62.86 R	0.00
8.400	1.5	16.9	73.80 R	0.00
8.500	1.7	19.5	75.01 L	0.00
8.600	1.6	17.5	73.79 L	0.00
8.700	1.0	11.2	62.83 L	0.00
8.800	0.1	0.6	42.67 L	0.00
8.900	-1.2	-14.3	-38.64 R	0.00
9.000	-2.9	-33.5	-44.52 L	0.00
9.000	-2.9	-33.5	-44.52 L	0.00
9.100	-1.3	-15.1	-38.85 L	0.00
9.200	-0.1	-1.0	42.73 R	0.00
9.300	0.7	8.8	62.78 R	0.00
9.400	1.1	14.3	73.61 R	0.00
9.500	1.2	15.5	74.76 L	0.00
9.600	0.8	12.0	73.40 L	0.00
9.700	0.1	4.3	62.30 L	0.00
9.800	-1.0	-7.7	42.08 L	0.00
9.900	-2.6	-24.0	-43.62 R	0.00
10.000	-4.5	-44.7	-49.96 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-44.7	-49.96	R 0.00	-38.43	0.00
10.100	-2.0	-20.7	-40.83	L 0.00	-31.41	0.00
10.200	0.1	-1.0	45.75	R 0.00	35.19	0.00
10.300	1.7	14.4	70.45	R 0.00	54.19	0.00
10.400	2.8	25.4	86.60	R 0.00	66.61	0.00
10.500	3.5	32.2	92.20	R 0.00	70.92	0.00
10.600	3.7	34.4	96.32	L 0.00	74.09	0.00
10.700	3.5	32.2	91.71	L 0.00	70.54	0.00
10.800	2.8	25.8	74.91	L 0.00	57.62	0.00
10.900	1.6	15.0	44.64	L 0.00	34.34	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	343.0	302.8	-336.1	-376.
1.200	359.7C	319.4	-319.4	-359.7C	331.1	290.9	-348.0	-388.
1.300	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.400	359.7C	319.4	-319.4	-359.7C	321.6	281.3	-357.5	-397.
1.500	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.600	359.7C	319.4	-319.4	-359.7C	331.4	291.2	-347.7	-387.
1.700	359.7C	319.4	-319.4	-359.7C	343.6	303.4	-335.5	-375.
1.800	359.7C	319.4	-319.4	-359.7C	360.6	320.3	-318.5	-358.
1.900	359.7C	319.4	-319.4	-359.7C	382.3	342.1	-296.8	-337.
2.000	359.7C	319.4	-319.4	-359.7C	408.8	368.6	-270.3	-310.
2.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.
2.100	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
2.200	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
2.300	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
2.400	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
2.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
2.600	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
2.700	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
2.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
2.900	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.

2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
1	3.100	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.
3	3.200	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
9	3.300	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
7	3.400	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	3.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
1	3.600	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5	3.700	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
3	3.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4	3.900	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
8	4.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.

4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
7	6.100	300.6C	268.7	-268.7	-300.6C	318.6	286.6	-250.7	-282.
3	6.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
5	6.400	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
0	6.500	300.6C	268.7	-268.7	-300.6C	280.3	248.3	-289.0	-321.
5	6.600	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
3	6.700	300.6C	268.7	-268.7	-300.6C	289.9	257.9	-279.4	-311.
5	6.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
9	6.900	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-282.
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

2F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
9	7.100	300.6C	268.7	-268.7	-300.6C	318.4	286.4	-250.9	-282.
4	7.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	7.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
3	7.400	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
7	7.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
1	7.600	300.6C	268.7	-268.7	-300.6C	283.2	251.2	-286.1	-318.
8	7.700	300.6C	268.7	-268.7	-300.6C	290.5	258.5	-278.8	-310.
8	7.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
1	7.900	300.6C	268.7	-268.7	-300.6C	319.1	287.1	-250.2	-282.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
4	8.100	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
3	8.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
5	8.300	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
1	8.400	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
9	8.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
7	8.600	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	8.700	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
3	8.800	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
1	8.900	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.

2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.100	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.
5	9.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
1	9.300	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
0	9.400	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
3	9.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	9.600	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
0	9.700	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
9	9.800	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
0	9.900	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
5	10.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	7.68	74.08	6.78	82.96	0.00
1.200	4.42	38.35	3.88	42.79	0.00
1.300	3.53	26.09	3.09	29.05	0.00
1.400	3.34	19.70	2.92	21.92	0.00
1.500	3.51	15.66	3.08	17.43	0.00
1.600	3.83	12.77	3.36	14.25	0.00
1.700	4.88	10.56	4.31	11.83	0.00
1.800	7.88	8.78	7.00	9.89	0.00
1.900	25.70	7.27	22.99	8.26	0.00
2.000	33.63	5.41	30.32	6.22	0.00
2.000	28.77	4.39	26.14	5.03	0.00
2.100	22.71	5.55	20.49	6.28	0.00
2.200	7.35	6.97	6.59	7.83	0.00
2.300	4.76	8.82	4.24	9.85	0.00
2.400	3.92	11.43	3.48	12.73	0.00
2.500	3.80	15.60	3.37	17.35	0.00
2.600	3.88	13.00	3.44	14.46	0.00
2.700	4.64	10.11	4.13	11.27	0.00
2.800	7.06	8.06	6.31	9.02	0.00
2.900	21.03	6.49	18.91	7.31	0.00
3.000	25.18	5.22	22.79	5.93	0.00
3.000	25.18	5.22	22.79	5.93	0.00
3.100	21.13	6.55	18.99	7.38	0.00
3.200	7.03	8.16	6.28	9.12	0.00
3.300	4.59	10.25	4.08	11.41	0.00
3.400	3.82	13.20	3.38	14.66	0.00
3.500	3.72	17.83	3.30	19.79	0.00
3.600	3.82	13.11	3.39	14.57	0.00
3.700	4.61	10.15	4.10	11.31	0.00
3.800	7.07	8.06	6.32	9.02	0.00
3.900	21.24	6.45	19.11	7.27	0.00
4.000	28.58	5.15	25.90	5.87	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
4.000	28.58	5.15	25.90	5.87	0.00	77.2
4.100	21.27	6.45	19.14	7.27	0.00	96.7
4.200	7.08	8.04	6.33	9.01	0.00	95.0
4.300	4.62	10.12	4.11	11.29	0.00	61.7
4.400	3.84	13.06	3.40	14.52	0.00	51.0
4.500	3.74	17.74	3.31	19.71	0.00	49.7
4.600	3.83	13.07	3.40	14.53	0.00	51.0
4.700	4.61	10.14	4.11	11.30	0.00	61.6
4.800	7.07	8.06	6.32	9.02	0.00	94.8
4.900	21.21	6.46	19.08	7.29	0.00	97.0
5.000	28.51	5.17	25.82	5.89	0.00	77.5
5.000	28.51	5.17	25.82	5.89	0.00	77.5
5.100	21.21	6.47	19.08	7.29	0.00	97.0
5.200	7.06	8.06	6.32	9.03	0.00	94.7
5.300	4.61	10.14	4.10	11.30	0.00	61.5
5.400	3.83	13.08	3.40	14.54	0.00	51.0
5.500	3.74	17.76	3.31	19.73	0.00	49.6
5.600	3.83	13.07	3.40	14.53	0.00	51.0
5.700	4.61	10.14	4.11	11.30	0.00	61.6
5.800	7.07	8.06	6.32	9.02	0.00	94.8
5.900	21.23	6.46	19.09	7.28	0.00	96.9
6.000	28.53	5.16	25.85	5.88	0.00	77.4
6.000	28.53	5.16	25.85	5.88	0.00	77.4
6.100	21.23	6.46	19.09	7.28	0.00	96.9
6.200	7.07	8.06	6.32	9.02	0.00	94.8
6.300	4.61	10.14	4.11	11.30	0.00	61.6
6.400	3.83	13.07	3.40	14.53	0.00	51.0
6.500	3.74	17.76	3.31	19.73	0.00	49.6
6.600	3.83	13.08	3.40	14.54	0.00	51.0
6.700	4.61	10.14	4.10	11.30	0.00	61.5
6.800	7.06	8.06	6.32	9.03	0.00	94.7
6.900	21.21	6.47	19.08	7.29	0.00	97.0
7.000	28.51	5.17	25.82	5.89	0.00	77.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
7.000	28.51	5.17	25.82	5.89	0.00
7.100	21.21	6.46	19.08	7.29	0.00
7.200	7.07	8.06	6.32	9.02	0.00
7.300	4.61	10.14	4.11	11.30	0.00
7.400	3.83	13.07	3.40	14.53	0.00
7.500	3.74	17.74	3.31	19.71	0.00
7.600	3.84	13.06	3.40	14.52	0.00
7.700	4.62	10.12	4.11	11.29	0.00
7.800	7.08	8.04	6.33	9.01	0.00
7.900	21.27	6.45	19.14	7.27	0.00
8.000	28.58	5.15	25.90	5.87	0.00
8.000	28.58	5.15	25.90	5.87	0.00
8.100	21.24	6.45	19.11	7.27	0.00
8.200	7.07	8.06	6.32	9.02	0.00
8.300	4.61	10.15	4.10	11.31	0.00
8.400	3.82	13.11	3.39	14.57	0.00
8.500	3.72	17.83	3.30	19.79	0.00
8.600	3.82	13.20	3.38	14.66	0.00
8.700	4.59	10.25	4.08	11.41	0.00
8.800	7.03	8.16	6.28	9.12	0.00
8.900	21.13	6.55	18.99	7.38	0.00
9.000	25.18	5.22	22.79	5.93	0.00
9.000	25.18	5.22	22.79	5.93	0.00
9.100	21.03	6.49	18.91	7.31	0.00
9.200	7.06	8.06	6.31	9.02	0.00
9.300	4.64	10.11	4.13	11.27	0.00
9.400	3.88	13.00	3.44	14.46	0.00
9.500	3.80	15.60	3.37	17.35	0.00
9.600	3.92	11.43	3.48	12.73	0.00
9.700	4.76	8.82	4.24	9.85	0.00
9.800	7.35	6.97	6.59	7.83	0.00
9.900	22.71	5.55	20.49	6.28	0.00
10.000	28.77	4.39	26.14	5.03	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
10.000	33.63	4.39	26.14	6.22	0.00	65.9
10.100	25.70	7.27	22.99	8.26	0.00	109.0
10.200	7.88	8.78	7.00	9.89	0.00	105.0
10.300	4.88	10.56	4.31	11.83	0.00	64.6
10.400	3.83	12.77	3.36	14.25	0.00	50.4
10.500	3.51	15.66	3.08	17.43	0.00	46.2
10.600	3.34	19.70	2.92	21.92	0.00	43.8
10.700	3.53	26.09	3.09	29.05	0.00	46.4
10.800	4.42	38.35	3.88	42.79	0.00	58.2
10.900	7.68	74.08	6.78	82.96	0.00	101.7
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.9	20.82	0.00	16.01	0.00
1.100	0.6	5.2	17.86	0.00	13.74	0.00
1.200	0.4	3.4	14.98	0.00	11.52	0.00
1.300	0.2	1.7	12.23	0.00	9.41	0.00
1.400	0.0	-0.1	9.63	0.00	7.41	0.00
1.500	-0.2	-1.8	-10.81	0.00	-8.32	0.00
1.600	-0.4	-3.6	-13.52	0.00	-10.40	0.00
1.700	-0.5	-5.3	-16.05	0.00	-12.35	0.00
1.800	-0.7	-7.0	-18.38	0.00	-14.14	0.00
1.900	-0.9	-8.7	-20.47	0.00	-15.74	0.00
2.000	-1.1	-10.4	-22.27	0.00	-17.13	0.00
2.000	0.8	-10.4	21.85	0.00	16.81	0.00
2.100	0.7	7.4	19.49	0.00	14.99	0.00
2.200	0.5	5.7	17.02	0.00	13.09	0.00
2.300	0.4	4.0	14.36	0.00	11.04	0.00
2.400	0.2	2.2	11.62	0.00	8.94	0.00
2.500	0.1	0.5	8.91	0.00	6.86	0.00
2.600	-0.1	-1.3	-11.53	0.00	-8.87	0.00
2.700	-0.2	-3.1	-14.27	0.00	-10.98	0.00
2.800	-0.4	-4.8	-16.94	0.00	-13.03	0.00
2.900	-0.6	-6.5	-19.43	0.00	-14.95	0.00
3.000	-0.7	-8.2	-21.63	0.00	-16.64	0.00
3.000	0.8	8.6	21.64	0.00	16.65	0.00
3.100	0.6	6.8	19.45	0.00	14.97	0.00
3.200	0.5	5.1	16.97	0.00	13.06	0.00
3.300	0.3	3.4	14.31	0.00	11.01	0.00
3.400	0.1	1.7	11.58	0.00	8.91	0.00
3.500	0.0	-0.1	8.88	0.00	6.83	0.00
3.600	-0.2	-1.9	-11.57	0.00	-8.90	0.00
3.700	-0.3	-3.6	-14.31	0.00	-11.01	0.00
3.800	-0.5	-5.3	-16.97	0.00	-13.05	0.00
3.900	-0.6	-7.1	-19.45	0.00	-14.96	0.00
4.000	-0.8	-8.8	-21.64	0.00	-16.65	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-8.8	21.64	0.00	16.65	0.00
4.100	0.6	7.0	19.45	0.00	14.96	0.00
4.200	0.5	5.3	16.97	0.00	13.06	0.00
4.300	0.3	3.5	14.31	0.00	11.01	0.00
4.400	0.2	1.8	11.58	0.00	8.90	0.00
4.500	0.0	0.1	8.88	0.00	6.83	0.00
4.600	-0.2	-1.8	-11.57	0.00	-8.90	0.00
4.700	-0.3	-3.5	-14.31	0.00	-11.01	0.00
4.800	-0.5	-5.2	-16.97	0.00	-13.06	0.00
4.900	-0.6	-6.9	-19.45	0.00	-14.96	0.00
5.000	-0.8	-8.6	-21.64	0.00	-16.65	0.00
5.000	0.8	8.6	21.64	0.00	16.65	0.00
5.100	0.6	6.9	19.45	0.00	14.96	0.00
5.200	0.5	5.2	16.97	0.00	13.06	0.00
5.300	0.3	3.5	14.31	0.00	11.01	0.00
5.400	0.2	1.8	11.58	0.00	8.90	0.00
5.500	0.0	0.1	8.88	0.00	6.83	0.00
5.600	-0.2	-1.8	-11.58	0.00	-8.90	0.00
5.700	-0.3	-3.5	-14.31	0.00	-11.01	0.00
5.800	-0.5	-5.2	-16.97	0.00	-13.06	0.00
5.900	-0.6	-7.0	-19.45	0.00	-14.96	0.00
6.000	-0.8	-8.7	-21.64	0.00	-16.65	0.00
6.000	0.8	8.7	21.64	0.00	16.65	0.00
6.100	0.6	7.0	19.45	0.00	14.96	0.00
6.200	0.5	5.2	16.97	0.00	13.06	0.00
6.300	0.3	3.5	14.31	0.00	11.01	0.00
6.400	0.2	1.8	11.58	0.00	8.90	0.00
6.500	0.0	0.1	8.88	0.00	6.83	0.00
6.600	-0.2	-1.8	-11.58	0.00	-8.90	0.00
6.700	-0.3	-3.5	-14.31	0.00	-11.01	0.00
6.800	-0.5	-5.2	-16.97	0.00	-13.06	0.00
6.900	-0.6	-6.9	-19.45	0.00	-14.96	0.00
7.000	-0.8	-8.6	-21.64	0.00	-16.65	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-8.6	21.64	0.00	16.65	0.00
7.100	0.6	6.9	19.45	0.00	14.96	0.00
7.200	0.5	5.2	16.97	0.00	13.06	0.00
7.300	0.3	3.5	14.31	0.00	11.01	0.00
7.400	0.2	1.8	11.57	0.00	8.90	0.00
7.500	0.0	0.1	8.88	0.00	6.83	0.00
7.600	-0.2	-1.8	-11.58	0.00	-8.90	0.00
7.700	-0.3	-3.5	-14.31	0.00	-11.01	0.00
7.800	-0.5	-5.3	-16.97	0.00	-13.06	0.00
7.900	-0.6	-7.0	-19.45	0.00	-14.96	0.00
8.000	-0.8	-8.7	-21.64	0.00	-16.65	0.00
8.000	0.8	8.8	21.64	0.00	16.65	0.00
8.100	0.6	7.1	19.45	0.00	14.96	0.00
8.200	0.5	5.3	16.97	0.00	13.05	0.00
8.300	0.3	3.6	14.31	0.00	11.01	0.00
8.400	0.2	1.9	11.57	0.00	8.90	0.00
8.500	0.0	0.2	-8.88	0.00	6.83	0.00
8.600	-0.1	-1.7	-11.58	0.00	-8.91	0.00
8.700	-0.3	-3.4	-14.31	0.00	-11.01	0.00
8.800	-0.5	-5.1	-16.97	0.00	-13.06	0.00
8.900	-0.6	-6.8	-19.45	0.00	-14.97	0.00
9.000	-0.8	-8.6	-21.64	0.00	-16.65	0.00
9.000	0.7	-8.6	21.63	0.00	16.64	0.00
9.100	0.6	6.5	19.43	0.00	14.95	0.00
9.200	0.4	4.8	16.94	0.00	13.03	0.00
9.300	0.2	3.1	14.27	0.00	10.98	0.00
9.400	0.1	1.3	11.53	0.00	8.87	0.00
9.500	-0.1	-0.4	-8.91	0.00	-6.86	0.00
9.600	-0.2	-2.2	-11.62	0.00	-8.94	0.00
9.700	-0.4	-4.0	-14.36	0.00	-11.04	0.00
9.800	-0.5	-5.7	-17.02	0.00	-13.09	0.00
9.900	-0.7	-7.4	-19.49	0.00	-14.99	0.00
10.000	-0.8	-9.1	-21.66	0.00	-16.66	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	10.4	22.27	0.00	17.13	0.00
10.100	0.9	8.7	20.47	0.00	15.74	0.00
10.200	0.7	7.0	18.38	0.00	14.14	0.00
10.300	0.5	5.3	16.05	0.00	12.35	0.00
10.400	0.4	3.6	13.52	0.00	10.40	0.00
10.500	0.2	1.9	10.81	0.00	8.32	0.00
10.600	0.0	0.1	-9.63	0.00	-7.41	0.00
10.700	-0.2	-1.7	-12.23	0.00	-9.41	0.00
10.800	-0.4	-3.4	-14.98	0.00	-11.52	0.00
10.900	-0.6	-5.2	-17.86	0.00	-13.74	0.00
11.000	-0.7	-6.9	-20.82	0.00	-16.01	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.0	124.8
1.100	172.1	-138.1	126.7
1.200	172.1	-136.2	128.6
1.300	172.1	-134.3	130.5
1.400	172.1	-132.4	132.4
1.500	172.1	-130.5	134.3
1.600	172.1	-128.4	136.3
1.700	172.1	-126.5	138.2
1.800	172.1	-124.6	140.1
1.900	172.1	-122.7	142.0
2.000	172.1	-120.8	143.9
2.000	151.3	-120.8	106.4
2.100	151.3	-124.4	108.3
2.200	151.3	-122.6	110.2
2.300	151.3	-120.7	112.0
2.400	151.3	-118.8	113.9
2.500	151.3	-116.9	115.8
2.600	151.3	-114.9	117.8
2.700	151.3	-113.1	119.7
2.800	151.3	-111.2	121.6
2.900	151.3	-109.3	123.4
3.000	151.3	-107.4	117.1
3.000	151.3	-107.4	107.1
3.100	151.3	-123.8	108.9
3.200	151.3	-121.9	110.8
3.300	151.3	-120.1	112.7
3.400	151.3	-118.2	114.6
3.500	151.3	-116.3	116.4
3.600	151.3	-114.3	118.4
3.700	151.3	-112.4	120.3
3.800	151.3	-110.5	122.2
3.900	151.3	-108.7	124.1
4.000	151.3	-106.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-106.8	106.9
4.100	151.3	-124.0	108.8
4.200	151.3	-122.1	110.6
4.300	151.3	-120.2	112.5
4.400	151.3	-118.3	114.4
4.500	151.3	-116.5	116.3
4.600	151.3	-114.5	118.3
4.700	151.3	-112.6	120.2
4.800	151.3	-110.7	122.0
4.900	151.3	-108.8	123.9
5.000	151.3	-107.0	117.1
5.000	151.3	-107.0	106.9
5.100	151.3	-123.9	108.8
5.200	151.3	-122.1	110.7
5.300	151.3	-120.2	112.6
5.400	151.3	-118.3	114.4
5.500	151.3	-116.4	116.3
5.600	151.3	-114.4	118.3
5.700	151.3	-112.5	120.2
5.800	151.3	-110.7	122.1
5.900	151.3	-108.8	124.0
6.000	151.3	-106.9	117.2
6.000	151.3	-106.9	106.9
6.100	151.3	-124.0	108.8
6.200	151.3	-122.1	110.7
6.300	151.3	-120.2	112.5
6.400	151.3	-118.3	114.4
6.500	151.3	-116.4	116.3
6.600	151.3	-114.4	118.3
6.700	151.3	-112.6	120.2
6.800	151.3	-110.7	122.1
6.900	151.3	-108.8	123.9
7.000	151.3	-106.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.9	107.0
7.100	151.3	-123.9	108.8
7.200	151.3	-122.0	110.7
7.300	151.3	-120.2	112.6
7.400	151.3	-118.3	114.5
7.500	151.3	-116.4	116.3
7.600	151.3	-114.4	118.3
7.700	151.3	-112.5	120.2
7.800	151.3	-110.6	122.1
7.900	151.3	-108.8	124.0
8.000	151.3	-106.9	117.2
8.000	151.3	-106.9	106.8
8.100	151.3	-124.1	108.7
8.200	151.3	-122.2	110.5
8.300	151.3	-120.3	112.4
8.400	151.3	-118.4	114.3
8.500	151.3	-116.6	116.2
8.600	151.3	-114.6	118.2
8.700	151.3	-112.7	120.1
8.800	151.3	-110.8	121.9
8.900	151.3	-108.9	123.8
9.000	151.3	-107.1	117.1
9.000	151.3	-107.1	107.4
9.100	151.3	-123.4	109.3
9.200	151.3	-121.6	111.2
9.300	151.3	-119.7	113.1
9.400	151.3	-117.8	114.9
9.500	151.3	-115.9	116.8
9.600	151.3	-113.9	118.8
9.700	151.3	-112.0	120.7
9.800	151.3	-110.2	122.6
9.900	151.3	-108.3	124.4
10.000	151.3	-106.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-106.4	120.8
10.100	172.1	-142.0	122.7
10.200	172.1	-140.1	124.6
10.300	172.1	-138.2	126.5
10.400	172.1	-136.3	128.4
10.500	172.1	-134.4	130.3
10.600	172.1	-132.4	132.4
10.700	172.1	-130.5	134.3
10.800	172.1	-128.6	136.2
10.900	172.1	-126.7	138.1
11.000	172.1	-124.8	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	77.14	5.99	0.00	89.9
1.100	67.21	7.09	0.00	106.4
1.200	33.34	8.58	0.00	128.7
1.300	22.14	10.67	0.00	160.1
1.400	16.60	13.74	0.00	206.2
1.500	12.06	18.57	0.00	181.0
1.600	9.50	26.94	0.00	142.5
1.700	7.88	43.69	0.00	118.2
1.800	6.78	89.54	0.00	101.7
1.900	6.00	292.07	0.00	89.9
2.000	5.43	295.98	0.00	81.4
2.000	5.43	4.87	0.00	73.0
2.100	54.89	5.56	0.00	83.4
2.200	54.06	6.47	0.00	97.1
2.300	30.34	7.80	0.00	117.1
2.400	18.90	9.81	0.00	147.1
2.500	13.24	12.99	0.00	194.9
2.600	9.97	18.54	0.00	149.5
2.700	7.92	29.66	0.00	118.8
2.800	6.56	47.97	0.00	98.5
2.900	5.63	48.71	0.00	84.4
3.000	4.97	46.21	0.00	74.5
3.000	4.97	4.95	0.00	74.2
3.100	54.89	5.60	0.00	84.0
3.200	54.06	6.53	0.00	97.9
3.300	29.91	7.87	0.00	118.1
3.400	18.69	9.90	0.00	148.4
3.500	13.11	13.11	0.00	196.6
3.600	9.88	18.72	0.00	148.2
3.700	7.86	29.96	0.00	117.9
3.800	6.51	54.45	0.00	97.7
3.900	5.59	55.29	0.00	83.8
4.000	4.93	52.21	0.00	74.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.93	4.94	0.00	74.0
4.100	54.98	5.59	0.00	83.9
4.200	54.15	6.52	0.00	97.8
4.300	29.94	7.86	0.00	117.9
4.400	18.72	9.88	0.00	148.2
4.500	13.12	13.10	0.00	196.5
4.600	9.89	18.70	0.00	148.3
4.700	7.87	29.92	0.00	118.0
4.800	6.52	54.14	0.00	97.9
4.900	5.59	54.97	0.00	83.9
5.000	4.94	51.97	0.00	74.1
5.000	4.94	4.94	0.00	74.1
5.100	54.96	5.59	0.00	83.9
5.200	54.13	6.52	0.00	97.8
5.300	29.93	7.87	0.00	118.0
5.400	18.71	9.89	0.00	148.3
5.500	13.11	13.10	0.00	196.6
5.600	9.89	18.71	0.00	148.3
5.700	7.86	29.94	0.00	118.0
5.800	6.52	54.14	0.00	97.8
5.900	5.59	54.97	0.00	83.9
6.000	4.94	51.96	0.00	74.1
6.000	4.94	4.94	0.00	74.1
6.100	54.98	5.59	0.00	83.9
6.200	54.14	6.52	0.00	97.8
6.300	29.94	7.86	0.00	118.0
6.400	18.71	9.89	0.00	148.3
6.500	13.12	13.10	0.00	196.5
6.600	9.89	18.71	0.00	148.3
6.700	7.87	29.93	0.00	118.0
6.800	6.52	54.13	0.00	97.8
6.900	5.59	54.96	0.00	83.9
7.000	4.94	51.96	0.00	74.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.94	4.94	0.00	74.1
7.100	54.97	5.59	0.00	83.9
7.200	54.14	6.52	0.00	97.9
7.300	29.92	7.87	0.00	118.0
7.400	18.70	9.89	0.00	148.3
7.500	13.11	13.11	0.00	196.6
7.600	9.88	18.72	0.00	148.2
7.700	7.86	29.94	0.00	117.9
7.800	6.52	54.15	0.00	97.8
7.900	5.59	54.98	0.00	83.9
8.000	4.94	51.96	0.00	74.1
8.000	4.94	4.93	0.00	74.0
8.100	55.29	5.59	0.00	83.8
8.200	54.45	6.51	0.00	97.7
8.300	29.96	7.86	0.00	117.9
8.400	18.72	9.88	0.00	148.2
8.500	13.13	13.09	0.00	196.4
8.600	9.90	18.69	0.00	148.4
8.700	7.87	29.91	0.00	118.1
8.800	6.53	54.06	0.00	97.9
8.900	5.60	54.89	0.00	84.0
9.000	4.95	51.93	0.00	74.2
9.000	4.95	4.97	0.00	74.2
9.100	48.72	5.63	0.00	84.4
9.200	47.97	6.56	0.00	98.5
9.300	29.66	7.92	0.00	118.8
9.400	18.54	9.97	0.00	149.5
9.500	13.01	13.22	0.00	195.1
9.600	9.81	18.90	0.00	147.1
9.700	7.80	30.34	0.00	117.1
9.800	6.47	54.06	0.00	97.1
9.900	5.56	54.89	0.00	83.4
10.000	4.91	51.70	0.00	73.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	4.91	5.43	0.00	73.7
10.100	292.06	6.00	0.00	89.9
10.200	89.54	6.78	0.00	101.7
10.300	43.69	7.88	0.00	118.2
10.400	26.94	9.50	0.00	142.5
10.500	18.59	12.05	0.00	180.8
10.600	13.74	16.60	0.00	206.2
10.700	10.67	22.14	0.00	160.1
10.800	8.58	33.34	0.00	128.7
10.900	7.09	67.21	0.00	106.4
11.000	5.99	999.00	0.00	89.9

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 48.9	332.2	332.2	-332.2	-332.2	315.5	315.5	-348.9	-3
1.200 60.8	332.2	332.2	-332.2	-332.2	303.6	303.6	-360.8	-3
1.300 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.400 70.3	332.2	332.2	-332.2	-332.2	294.1	294.1	-370.3	-3
1.500 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.600 60.5	332.2	332.2	-332.2	-332.2	303.9	303.9	-360.5	-3
1.700 48.2	332.2	332.2	-332.2	-332.2	316.2	316.2	-348.2	-3
1.800 31.3	332.2	332.2	-332.2	-332.2	333.1	333.1	-331.3	-3
1.900 09.6	332.2	332.2	-332.2	-332.2	354.8	354.8	-309.6	-3
2.000 83.1	332.2	332.2	-332.2	-332.2	381.3	381.3	-283.1	-2
2.000 30.3	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
2.100 52.8	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
2.200 70.6	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
2.300 83.8	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
2.400 92.3	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
2.500 96.0	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
2.600 94.8	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
2.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
2.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
2.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2

3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.100	279.4	279.4	-279.4	-279.4	294.9	294.9	-263.9	-2
63.9								
3.200	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
80.1								
3.300	279.4	279.4	-279.4	-279.4	267.1	267.1	-291.7	-2
91.7								
3.400	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
98.5								
3.500	279.4	279.4	-279.4	-279.4	258.1	258.1	-300.7	-3
00.7								
3.600	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
3.700	279.4	279.4	-279.4	-279.4	268.5	268.5	-290.3	-2
90.3								
3.800	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
78.1								
3.900	279.4	279.4	-279.4	-279.4	297.6	297.6	-261.2	-2
61.2								
4.000	279.4	279.4	-279.4	-279.4	319.3	319.3	-239.5	-2
39.5								

6.000	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
40.2								
6.000	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
40.2								
6.100	279.4	279.4	-279.4	-279.4	297.3	297.3	-261.5	-2
61.5								
6.200	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
78.1								
6.300	279.4	279.4	-279.4	-279.4	268.8	268.8	-290.0	-2
90.0								
6.400	279.4	279.4	-279.4	-279.4	261.6	261.6	-297.2	-2
97.2								
6.500	279.4	279.4	-279.4	-279.4	259.0	259.0	-299.8	-2
99.8								
6.600	279.4	279.4	-279.4	-279.4	261.5	261.5	-297.3	-2
97.3								
6.700	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
90.1								
6.800	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
6.900	279.4	279.4	-279.4	-279.4	297.1	297.1	-261.7	-2
61.7								
7.000	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2
40.5								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
 Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	7.07	76.90	7.07	76.90	0.00	106.0
1.200	4.05	39.76	4.05	39.76	0.00	60.8
1.300	3.23	27.03	3.23	27.03	0.00	48.5
1.400	3.05	20.41	3.05	20.41	0.00	45.8
1.500	3.22	16.22	3.22	16.22	0.00	48.2
1.600	3.51	13.24	3.51	13.24	0.00	52.6
1.700	4.49	10.97	4.49	10.97	0.00	67.3
1.800	7.28	9.13	7.28	9.13	0.00	109.2
1.900	23.85	7.58	23.85	7.58	0.00	113.7
2.000	31.37	5.67	31.37	5.67	0.00	85.0
2.000	27.03	4.61	27.03	4.61	0.00	69.1
2.100	21.24	5.80	21.24	5.80	0.00	86.9
2.200	6.85	7.26	6.85	7.26	0.00	102.7
2.300	4.41	9.17	4.41	9.17	0.00	66.2
2.400	3.63	11.87	3.63	11.87	0.00	54.5
2.500	3.52	16.19	3.52	16.19	0.00	52.7
2.600	3.59	13.49	3.59	13.49	0.00	53.8
2.700	4.30	10.50	4.30	10.50	0.00	64.5
2.800	6.57	8.39	6.57	8.39	0.00	98.5
2.900	19.63	6.77	19.63	6.77	0.00	101.5
3.000	23.59	5.46	23.59	5.46	0.00	81.9
3.000	23.59	5.46	23.59	5.46	0.00	81.9
3.100	19.71	6.83	19.71	6.83	0.00	102.4
3.200	6.53	8.48	6.53	8.48	0.00	98.0
3.300	4.25	10.64	4.25	10.64	0.00	63.8
3.400	3.53	13.69	3.53	13.69	0.00	52.9
3.500	3.44	18.49	3.44	18.49	0.00	51.6
3.600	3.54	13.60	3.54	13.60	0.00	53.0
3.700	4.27	10.54	4.27	10.54	0.00	64.1
3.800	6.57	8.38	6.57	8.38	0.00	98.6
3.900	19.83	6.73	19.83	6.73	0.00	100.9
4.000	26.80	5.39	26.80	5.39	0.00	80.8

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	26.80	5.39	26.80	5.39	0.00	80.8
4.100	19.85	6.72	19.85	6.72	0.00	100.8
4.200	6.58	8.37	6.58	8.37	0.00	98.8
4.300	4.28	10.52	4.28	10.52	0.00	64.2
4.400	3.55	13.55	3.55	13.55	0.00	53.2
4.500	3.46	18.40	3.46	18.40	0.00	51.9
4.600	3.55	13.56	3.55	13.56	0.00	53.2
4.700	4.28	10.52	4.28	10.52	0.00	64.2
4.800	6.57	8.38	6.57	8.38	0.00	98.6
4.900	19.80	6.74	19.80	6.74	0.00	101.1
5.000	26.72	5.41	26.72	5.41	0.00	81.1
5.000	26.72	5.41	26.72	5.41	0.00	81.1
5.100	19.79	6.74	19.79	6.74	0.00	101.1
5.200	6.57	8.39	6.57	8.39	0.00	98.5
5.300	4.27	10.53	4.27	10.53	0.00	64.1
5.400	3.54	13.57	3.54	13.57	0.00	53.1
5.500	3.45	18.42	3.45	18.42	0.00	51.8
5.600	3.54	13.57	3.54	13.57	0.00	53.2
5.700	4.28	10.53	4.28	10.53	0.00	64.1
5.800	6.57	8.38	6.57	8.38	0.00	98.6
5.900	19.81	6.74	19.81	6.74	0.00	101.0
6.000	26.75	5.40	26.75	5.40	0.00	81.0
6.000	26.75	5.40	26.75	5.40	0.00	81.0
6.100	19.81	6.74	19.81	6.74	0.00	101.0
6.200	6.57	8.38	6.57	8.38	0.00	98.6
6.300	4.28	10.53	4.28	10.53	0.00	64.1
6.400	3.54	13.57	3.54	13.57	0.00	53.2
6.500	3.45	18.42	3.45	18.42	0.00	51.8
6.600	3.54	13.57	3.54	13.57	0.00	53.1
6.700	4.27	10.53	4.27	10.53	0.00	64.1
6.800	6.57	8.39	6.57	8.39	0.00	98.5
6.900	19.80	6.74	19.80	6.74	0.00	101.1
7.000	26.72	5.41	26.72	5.41	0.00	81.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	26.72	5.41	26.72	5.41	0.00	81.1
7.100	19.80	6.74	19.80	6.74	0.00	101.1
7.200	6.57	8.38	6.57	8.38	0.00	98.5
7.300	4.28	10.52	4.28	10.52	0.00	64.2
7.400	3.55	13.56	3.55	13.56	0.00	53.2
7.500	3.46	18.40	3.46	18.40	0.00	51.9
7.600	3.55	13.55	3.55	13.55	0.00	53.2
7.700	4.28	10.52	4.28	10.52	0.00	64.2
7.800	6.58	8.37	6.58	8.37	0.00	98.8
7.900	19.85	6.72	19.85	6.72	0.00	100.9
8.000	26.80	5.39	26.80	5.39	0.00	80.8
8.000	26.80	5.39	26.80	5.39	0.00	80.8
8.100	19.83	6.73	19.83	6.73	0.00	100.9
8.200	6.57	8.38	6.57	8.38	0.00	98.6
8.300	4.27	10.54	4.27	10.54	0.00	64.1
8.400	3.54	13.60	3.54	13.60	0.00	53.0
8.500	3.44	18.49	3.44	18.49	0.00	51.6
8.600	3.53	13.69	3.53	13.69	0.00	52.9
8.700	4.25	10.64	4.25	10.64	0.00	63.8
8.800	6.53	8.48	6.53	8.48	0.00	98.0
8.900	19.71	6.83	19.71	6.83	0.00	102.4
9.000	23.59	5.46	23.59	5.46	0.00	81.9
9.000	23.59	5.46	23.59	5.46	0.00	81.9
9.100	19.63	6.77	19.63	6.77	0.00	101.5
9.200	6.57	8.39	6.57	8.39	0.00	98.5
9.300	4.30	10.50	4.30	10.50	0.00	64.5
9.400	3.59	13.49	3.59	13.49	0.00	53.8
9.500	3.52	16.19	3.52	16.19	0.00	52.7
9.600	3.63	11.87	3.63	11.87	0.00	54.5
9.700	4.41	9.17	4.41	9.17	0.00	66.2
9.800	6.85	7.26	6.85	7.26	0.00	102.7
9.900	21.24	5.80	21.24	5.80	0.00	86.9
10.000	27.03	4.61	27.03	4.61	0.00	69.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	27.03	4.61	27.03	4.61	0.00	69.1
10.100	23.85	7.58	23.85	7.58	0.00	113.7
10.200	7.28	9.13	7.28	9.13	0.00	109.2
10.300	4.49	10.97	4.49	10.97	0.00	67.3
10.400	3.51	13.24	3.51	13.24	0.00	52.6
10.500	3.22	16.22	3.22	16.22	0.00	48.2
10.600	3.05	20.41	3.05	20.41	0.00	45.8
10.700	3.23	27.03	3.23	27.03	0.00	48.5
10.800	4.05	39.76	4.05	39.76	0.00	60.8
10.900	7.07	76.90	7.07	76.90	0.00	106.0
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	15.0	60.91 R	46.85
1.200	2.8	25.8	100.62 R	77.40
1.300	3.5	32.2	120.84 R	92.95
1.400	3.7	34.4	128.49 R	98.84
1.500	3.5	32.2	125.83 R	96.79
1.600	2.8	25.4	111.66 L	85.89
1.700	1.7	14.4	91.04 L	70.03
1.800	0.1	-1.0	56.69 L	43.60
1.900	-2.0	-20.7	-58.74 R	-45.18
2.000	-4.5	-44.7	-74.79 R	-57.53
2.000	-4.5	-44.7	-74.79 R	-57.53
2.100	-2.6	-24.0	-62.75 L	-48.27
2.200	-1.0	-7.7	-53.64 L	-41.26
2.300	0.1	4.3	79.09 R	60.84
2.400	0.8	12.0	93.85 R	72.19
2.500	1.2	15.5	99.90 L	76.84
2.600	1.1	14.3	94.23 L	72.48
2.700	0.7	8.8	79.76 L	61.35
2.800	-0.1	-1.0	52.12 L	40.09
2.900	-1.3	-15.1	-55.90 R	-43.00
3.000	-2.9	-33.5	-70.38 L	-54.14
3.000	-2.9	-33.5	-70.38 L	-54.14
3.100	-1.2	-14.3	-55.58 L	-42.76
3.200	0.1	0.6	52.04 R	40.03
3.300	1.0	11.2	79.83 R	61.41
3.400	1.6	17.5	94.45 R	72.65
3.500	1.7	19.5	100.30 L	77.16
3.600	1.5	16.9	94.48 L	72.67
3.700	0.9	10.0	79.88 L	61.45
3.800	-0.1	-1.2	52.11 L	40.08
3.900	-1.5	-16.7	-55.85 R	-42.96
4.000	-3.3	-36.5	-70.34 L	-54.11

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	
4.000	-3.3	-36.5	-70.34	L	0.00	-54.11	0.00
4.100	-1.6	-16.9	-55.83	L	0.00	-42.94	0.00
4.200	-0.2	-1.6	52.10	R	0.00	40.08	0.00
4.300	0.8	9.4	79.89	R	0.00	61.45	0.00
4.400	1.4	16.1	94.49	R	0.00	72.69	0.00
4.500	1.6	18.5	100.33	L	0.00	77.18	0.00
4.600	1.4	16.2	94.49	L	0.00	72.69	0.00
4.700	0.8	9.7	79.89	L	0.00	61.45	0.00
4.800	-0.1	-1.1	52.11	L	0.00	40.08	0.00
4.900	-1.5	-16.3	-55.85	R	0.00	-42.96	0.00
5.000	-3.2	-35.7	-70.34	L	0.00	-54.11	0.00
5.000	-3.2	-35.7	-70.34	L	0.00	-54.11	0.00
5.100	-1.5	-16.2	-55.85	L	0.00	-42.96	0.00
5.200	-0.1	-1.0	52.11	R	0.00	40.08	0.00
5.300	0.9	9.9	79.89	R	0.00	61.46	0.00
5.400	1.4	16.4	94.50	R	0.00	72.69	0.00
5.500	1.6	18.7	100.34	R	0.00	77.18	0.00
5.600	1.4	16.4	94.50	L	0.00	72.69	0.00
5.700	0.8	9.7	79.89	L	0.00	61.46	0.00
5.800	-0.1	-1.2	52.11	L	0.00	40.08	0.00
5.900	-1.5	-16.4	-55.85	R	0.00	-42.96	0.00
6.000	-3.3	-36.0	-70.34	R	0.00	-54.11	0.00
6.000	-3.3	-36.0	-70.34	R	0.00	-54.11	0.00
6.100	-1.5	-16.4	-55.85	L	0.00	-42.96	0.00
6.200	-0.1	-1.2	52.11	R	0.00	40.08	0.00
6.300	0.8	9.7	79.89	R	0.00	61.46	0.00
6.400	1.4	16.4	94.50	R	0.00	72.69	0.00
6.500	1.6	18.7	100.34	R	0.00	77.18	0.00
6.600	1.4	16.4	94.50	L	0.00	72.69	0.00
6.700	0.9	9.9	79.89	L	0.00	61.45	0.00
6.800	-0.1	-1.0	52.11	L	0.00	40.08	0.00
6.900	-1.5	-16.2	-55.85	R	0.00	-42.96	0.00
7.000	-3.2	-35.7	-70.34	R	0.00	-54.11	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-35.7	-70.34 R	0.00
7.100	-1.5	-16.3	-55.85 L	0.00
7.200	-0.1	-1.1	52.11 R	0.00
7.300	0.8	9.7	79.89 R	0.00
7.400	1.4	16.2	94.49 R	0.00
7.500	1.6	18.5	100.33 R	0.00
7.600	1.4	16.1	94.49 L	0.00
7.700	0.8	9.4	79.89 L	0.00
7.800	-0.2	-1.6	52.10 L	0.00
7.900	-1.6	-16.9	-55.83 R	0.00
8.000	-3.3	-36.5	-70.34 R	0.00
8.000	-3.3	-36.5	-70.34 R	0.00
8.100	-1.5	-16.7	-55.85 L	0.00
8.200	-0.1	-1.2	52.11 R	0.00
8.300	0.9	10.0	79.88 R	0.00
8.400	1.5	16.9	94.48 R	0.00
8.500	1.7	19.5	100.30 R	0.00
8.600	1.6	17.5	94.45 L	0.00
8.700	1.0	11.2	79.83 L	0.00
8.800	0.1	0.6	52.04 L	0.00
8.900	-1.2	-14.3	-55.58 R	0.00
9.000	-2.9	-33.5	-70.38 R	0.00
9.000	-2.9	-33.5	-70.38 R	0.00
9.100	-1.3	-15.1	-55.90 L	0.00
9.200	-0.1	-1.0	52.12 R	0.00
9.300	0.7	8.8	79.76 R	0.00
9.400	1.1	14.3	94.23 R	0.00
9.500	1.2	15.5	99.90 R	0.00
9.600	0.8	12.0	93.85 L	0.00
9.700	0.1	4.3	79.09 L	0.00
9.800	-1.0	-7.7	-53.64 R	0.00
9.900	-2.6	-24.0	-62.75 R	0.00
10.000	-4.5	-44.7	-74.79 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-44.7	-74.79 L	0.00	-57.53	0.00
10.100	-2.0	-20.7	-58.74 L	0.00	-45.18	0.00
10.200	0.1	-1.0	56.69 R	0.00	43.61	0.00
10.300	1.7	14.4	91.04 R	0.00	70.03	0.00
10.400	2.8	25.4	111.66 R	0.00	85.89	0.00
10.500	3.5	32.2	125.83 L	0.00	96.79	0.00
10.600	3.7	34.4	128.49 L	0.00	98.84	0.00
10.700	3.5	32.2	120.84 L	0.00	92.95	0.00
10.800	2.8	25.8	100.62 L	0.00	77.40	0.00
10.900	1.6	15.0	60.91 L	0.00	46.85	0.00
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
1	3.100	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.
3	3.200	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
9	3.300	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
7	3.400	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	3.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
1	3.600	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5	3.700	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
3	3.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4	3.900	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
8	4.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

3F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
8	4.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
1	4.100	300.6C	268.7	-268.7	-300.6C	319.1	287.1	-250.2	-282.
8	4.200	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
8	4.300	300.6C	268.7	-268.7	-300.6C	290.5	258.5	-278.8	-310.
1	4.400	300.6C	268.7	-268.7	-300.6C	283.2	251.2	-286.1	-318.
7	4.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
3	4.600	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
2	4.700	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
4	4.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
9	4.900	300.6C	268.7	-268.7	-300.6C	318.4	286.4	-250.9	-282.
7	5.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
7	5.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
9	5.100	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-282.
5	5.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
3	5.300	300.6C	268.7	-268.7	-300.6C	289.9	257.9	-279.4	-311.
5	5.400	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
0	5.500	300.6C	268.7	-268.7	-300.6C	280.3	248.3	-289.0	-321.
5	5.600	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
2	5.700	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
3	5.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
7	5.900	300.6C	268.7	-268.7	-300.6C	318.6	286.6	-250.7	-282.

4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
7	6.100	300.6C	268.7	-268.7	-300.6C	318.6	286.6	-250.7	-282.
3	6.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
5	6.400	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
0	6.500	300.6C	268.7	-268.7	-300.6C	280.3	248.3	-289.0	-321.
5	6.600	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
3	6.700	300.6C	268.7	-268.7	-300.6C	289.9	257.9	-279.4	-311.
5	6.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
9	6.900	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-282.
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

3F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
9	7.100	300.6C	268.7	-268.7	-300.6C	318.4	286.4	-250.9	-282.
4	7.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	7.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
3	7.400	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
7	7.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
1	7.600	300.6C	268.7	-268.7	-300.6C	283.2	251.2	-286.1	-318.
8	7.700	300.6C	268.7	-268.7	-300.6C	290.5	258.5	-278.8	-310.
8	7.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
1	7.900	300.6C	268.7	-268.7	-300.6C	319.1	287.1	-250.2	-282.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
4	8.100	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
3	8.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
5	8.300	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
1	8.400	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
9	8.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
7	8.600	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	8.700	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
3	8.800	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
1	8.900	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.

2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.100	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.
5	9.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
1	9.300	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
0	9.400	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
3	9.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	9.600	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
0	9.700	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
9	9.800	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
0	9.900	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
5	10.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
10.000	359.7C	268.7	-268.7	-359.7C	408.8	317.8	-219.5	-310.
10.100	359.7C	319.4	-319.4	-359.7C	382.3	342.1	-296.8	-337.
10.200	359.7C	319.4	-319.4	-359.7C	360.6	320.3	-318.5	-358.
10.300	359.7C	319.4	-319.4	-359.7C	343.6	303.4	-335.5	-375.
10.400	359.7C	319.4	-319.4	-359.7C	331.4	291.2	-347.7	-387.
10.500	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
10.600	359.7C	319.4	-319.4	-359.7C	321.6	281.3	-357.5	-397.
10.700	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
10.800	359.7C	319.4	-319.4	-359.7C	331.1	290.9	-348.0	-388.
10.900	359.7C	319.4	-319.4	-359.7C	343.0	302.8	-336.1	-376.
11.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.63	51.49	4.97	57.66	0.00	114.3
1.200	3.29	26.66	2.89	29.74	0.00	66.5
1.300	2.68	18.14	2.35	20.19	0.00	54.0
1.400	2.50	13.69	2.19	15.24	0.00	50.4
1.500	2.58	10.88	2.26	12.12	0.00	51.9
1.600	2.97	8.88	2.61	9.91	0.00	60.0
1.700	3.78	7.34	3.33	8.22	0.00	76.6
1.800	6.36	6.10	5.65	6.87	0.00	130.0
1.900	24.29	5.05	21.73	5.74	0.00	116.2
2.000	23.38	3.61	21.07	4.15	0.00	83.1
2.000	20.00	2.93	18.17	3.36	0.00	67.5
2.100	30.66	3.86	27.66	4.37	0.00	88.7
2.200	6.05	4.84	5.43	5.44	0.00	111.4
2.300	3.74	6.13	3.34	6.85	0.00	76.8
2.400	3.07	7.95	2.73	8.85	0.00	62.7
2.500	2.84	10.85	2.52	12.06	0.00	58.0
2.600	3.03	9.04	2.69	10.05	0.00	61.8
2.700	3.65	7.03	3.25	7.83	0.00	74.7
2.800	5.79	5.60	5.18	6.27	0.00	119.1
2.900	21.17	4.51	19.04	5.08	0.00	103.8
3.000	17.51	3.30	15.85	3.75	0.00	75.9
3.000	17.51	3.30	15.85	3.75	0.00	75.9
3.100	18.80	4.55	16.90	5.13	0.00	104.7
3.200	5.76	5.67	5.15	6.34	0.00	118.4
3.300	3.61	7.12	3.21	7.93	0.00	73.9
3.400	2.98	9.17	2.64	10.19	0.00	60.8
3.500	2.79	12.39	2.47	13.76	0.00	56.7
3.600	2.99	9.11	2.65	10.12	0.00	60.9
3.700	3.63	7.05	3.23	7.86	0.00	74.2
3.800	5.80	5.60	5.18	6.27	0.00	119.2
3.900	21.31	4.48	19.17	5.06	0.00	103.1
4.000	19.87	3.25	18.00	3.71	0.00	74.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	19.87	3.25	18.00	3.71	0.00	74.8
4.100	21.43	4.48	19.28	5.05	0.00	103.1
4.200	5.80	5.59	5.19	6.26	0.00	119.4
4.300	3.64	7.04	3.24	7.84	0.00	74.4
4.400	3.00	9.08	2.66	10.10	0.00	61.1
4.500	2.80	12.33	2.48	13.70	0.00	57.0
4.600	2.99	9.08	2.66	10.10	0.00	61.1
4.700	3.63	7.05	3.23	7.85	0.00	74.3
4.800	5.79	5.60	5.18	6.27	0.00	119.1
4.900	21.28	4.49	19.14	5.07	0.00	103.3
5.000	19.81	3.27	17.95	3.72	0.00	75.1
5.000	19.81	3.27	17.95	3.72	0.00	75.1
5.100	21.28	4.49	19.14	5.07	0.00	103.4
5.200	5.79	5.60	5.18	6.27	0.00	119.1
5.300	3.63	7.05	3.23	7.86	0.00	74.3
5.400	2.99	9.09	2.65	10.11	0.00	61.0
5.500	2.79	12.35	2.47	13.71	0.00	56.9
5.600	2.99	9.09	2.65	10.10	0.00	61.1
5.700	3.63	7.05	3.23	7.85	0.00	74.3
5.800	5.80	5.60	5.18	6.27	0.00	119.2
5.900	21.29	4.49	19.15	5.06	0.00	103.3
6.000	19.83	3.26	17.97	3.72	0.00	75.0
6.000	19.83	3.26	17.97	3.72	0.00	75.0
6.100	21.29	4.49	19.15	5.06	0.00	103.3
6.200	5.80	5.60	5.18	6.27	0.00	119.2
6.300	3.63	7.05	3.23	7.85	0.00	74.3
6.400	2.99	9.09	2.65	10.10	0.00	61.1
6.500	2.79	12.35	2.47	13.71	0.00	56.9
6.600	2.99	9.09	2.65	10.11	0.00	61.0
6.700	3.63	7.05	3.23	7.86	0.00	74.3
6.800	5.79	5.60	5.18	6.27	0.00	119.1
6.900	21.28	4.49	19.14	5.07	0.00	103.4
7.000	19.81	3.27	17.95	3.72	0.00	75.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
7.000	19.81	3.27	17.95	3.72	0.00	75.1
7.100	21.28	4.49	19.14	5.07	0.00	103.3
7.200	5.79	5.60	5.18	6.27	0.00	119.1
7.300	3.63	7.05	3.23	7.85	0.00	74.3
7.400	2.99	9.08	2.66	10.10	0.00	61.1
7.500	2.80	12.33	2.48	13.70	0.00	57.0
7.600	3.00	9.08	2.66	10.10	0.00	61.1
7.700	3.64	7.04	3.24	7.84	0.00	74.4
7.800	5.80	5.59	5.19	6.26	0.00	119.4
7.900	21.43	4.48	19.28	5.05	0.00	103.1
8.000	19.87	3.25	18.00	3.71	0.00	74.8
8.000	19.87	3.25	18.00	3.71	0.00	74.8
8.100	21.31	4.48	19.17	5.06	0.00	103.1
8.200	5.80	5.60	5.18	6.27	0.00	119.2
8.300	3.63	7.05	3.23	7.86	0.00	74.2
8.400	2.99	9.11	2.65	10.12	0.00	60.9
8.500	2.79	12.39	2.47	13.76	0.00	56.7
8.600	2.98	9.17	2.64	10.19	0.00	60.8
8.700	3.61	7.12	3.21	7.93	0.00	73.9
8.800	5.76	5.67	5.15	6.34	0.00	118.4
8.900	18.80	4.55	16.90	5.13	0.00	104.7
9.000	17.51	3.30	15.85	3.75	0.00	75.9
9.000	17.51	3.30	15.85	3.75	0.00	75.9
9.100	21.17	4.51	19.04	5.08	0.00	103.8
9.200	5.79	5.60	5.18	6.27	0.00	119.1
9.300	3.65	7.03	3.25	7.83	0.00	74.7
9.400	3.03	9.04	2.69	10.05	0.00	61.8
9.500	2.84	10.85	2.52	12.06	0.00	58.0
9.600	3.07	7.95	2.73	8.85	0.00	62.7
9.700	3.74	6.13	3.34	6.85	0.00	76.8
9.800	6.05	4.85	5.43	5.44	0.00	111.4
9.900	30.66	3.86	27.66	4.37	0.00	88.7
10.000	20.00	2.93	18.17	3.36	0.00	67.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating		Factor	Rating		Rating	Load
	top fiber +bend	fiber -bend		bottom fiber +bend	fiber -bend		
10.000	23.38	2.93		18.17	4.15	0.00	67.5
10.100	24.29	5.05		21.73	5.74	0.00	116.2
10.200	6.36	6.10		5.65	6.87	0.00	130.0
10.300	3.78	7.34		3.33	8.22	0.00	76.6
10.400	2.97	8.88		2.61	9.91	0.00	60.0
10.500	2.58	10.88		2.26	12.12	0.00	51.9
10.600	2.50	13.69		2.19	15.24	0.00	50.4
10.700	2.68	18.14		2.35	20.19	0.00	54.0
10.800	3.29	26.66		2.89	29.74	0.00	66.5
10.900	5.63	51.49		4.97	57.66	0.00	114.3
11.000	999.00	999.00		999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.9	28.77	0.00	22.13	0.00
1.100	0.6	5.2	24.36	0.00	18.74	0.00
1.200	0.4	3.4	20.12	0.00	15.48	0.00
1.300	0.2	1.7	16.11	0.00	12.39	0.00
1.400	0.0	-0.1	12.38	0.00	9.53	0.00
1.500	-0.2	-1.8	-14.12	0.00	-10.86	0.00
1.600	-0.4	-3.6	-17.64	0.00	-13.57	0.00
1.700	-0.5	-5.3	-21.68	0.00	-16.68	0.00
1.800	-0.7	-7.0	-25.44	0.00	-19.57	0.00
1.900	-0.9	-8.7	-28.87	0.00	-22.21	0.00
2.000	-1.1	-10.4	-31.91	0.00	-24.55	0.00
2.000	0.8	-10.4	30.77	0.00	23.67	0.00
2.100	0.7	7.4	27.06	0.00	20.81	0.00
2.200	0.5	5.7	23.17	0.00	17.82	0.00
2.300	0.4	4.0	19.12	0.00	14.71	0.00
2.400	0.2	2.2	15.07	0.00	11.59	0.00
2.500	0.1	0.5	11.18	0.00	8.60	0.00
2.600	-0.1	-1.3	-14.95	0.00	-11.50	0.00
2.700	-0.2	-3.1	-18.99	0.00	-14.61	0.00
2.800	-0.4	-4.8	-23.05	0.00	-17.73	0.00
2.900	-0.6	-6.5	-26.96	0.00	-20.74	0.00
3.000	-0.7	-8.2	-30.54	0.00	-23.49	0.00
3.000	0.8	8.6	30.57	0.00	23.52	0.00
3.100	0.6	6.8	27.00	0.00	20.77	0.00
3.200	0.5	5.1	23.11	0.00	17.78	0.00
3.300	0.3	3.4	19.06	0.00	14.66	0.00
3.400	0.1	1.7	15.01	0.00	11.55	0.00
3.500	0.0	-0.1	11.14	0.00	8.57	0.00
3.600	-0.2	-1.9	-15.00	0.00	-11.54	0.00
3.700	-0.3	-3.6	-19.05	0.00	-14.65	0.00
3.800	-0.5	-5.3	-23.10	0.00	-17.77	0.00
3.900	-0.6	-7.1	-27.00	0.00	-20.77	0.00
4.000	-0.8	-8.8	-30.57	0.00	-23.51	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-8.8	30.57	0.00	23.51	0.00
4.100	0.6	7.0	27.00	0.00	20.77	0.00
4.200	0.5	5.3	23.11	0.00	17.77	0.00
4.300	0.3	3.5	19.05	0.00	14.66	0.00
4.400	0.2	1.8	15.01	0.00	11.55	0.00
4.500	0.0	0.1	11.13	0.00	8.56	0.00
4.600	-0.2	-1.8	-15.01	0.00	-11.55	0.00
4.700	-0.3	-3.5	-19.05	0.00	-14.66	0.00
4.800	-0.5	-5.2	-23.10	0.00	-17.77	0.00
4.900	-0.6	-6.9	-27.00	0.00	-20.77	0.00
5.000	-0.8	-8.6	-30.57	0.00	-23.51	0.00
5.000	0.8	8.6	30.57	0.00	23.51	0.00
5.100	0.6	6.9	27.00	0.00	20.77	0.00
5.200	0.5	5.2	23.10	0.00	17.77	0.00
5.300	0.3	3.5	19.05	0.00	14.66	0.00
5.400	0.2	1.8	15.01	0.00	11.55	0.00
5.500	0.0	0.1	11.13	0.00	8.56	0.00
5.600	-0.2	-1.8	-15.01	0.00	-11.55	0.00
5.700	-0.3	-3.5	-19.05	0.00	-14.66	0.00
5.800	-0.5	-5.2	-23.10	0.00	-17.77	0.00
5.900	-0.6	-7.0	-27.00	0.00	-20.77	0.00
6.000	-0.8	-8.7	-30.57	0.00	-23.51	0.00
6.000	0.8	8.7	30.57	0.00	23.51	0.00
6.100	0.6	7.0	27.00	0.00	20.77	0.00
6.200	0.5	5.2	23.10	0.00	17.77	0.00
6.300	0.3	3.5	19.05	0.00	14.66	0.00
6.400	0.2	1.8	15.01	0.00	11.55	0.00
6.500	0.0	0.1	11.13	0.00	8.56	0.00
6.600	-0.2	-1.8	-15.01	0.00	-11.55	0.00
6.700	-0.3	-3.5	-19.05	0.00	-14.66	0.00
6.800	-0.5	-5.2	-23.11	0.00	-17.77	0.00
6.900	-0.6	-6.9	-27.00	0.00	-20.77	0.00
7.000	-0.8	-8.6	-30.57	0.00	-23.51	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-8.6	30.57	0.00	23.51	0.00
7.100	0.6	6.9	27.00	0.00	20.77	0.00
7.200	0.5	5.2	23.10	0.00	17.77	0.00
7.300	0.3	3.5	19.05	0.00	14.66	0.00
7.400	0.2	1.8	15.01	0.00	11.55	0.00
7.500	0.0	0.1	11.13	0.00	8.56	0.00
7.600	-0.2	-1.8	-15.01	0.00	-11.55	0.00
7.700	-0.3	-3.5	-19.05	0.00	-14.66	0.00
7.800	-0.5	-5.3	-23.11	0.00	-17.77	0.00
7.900	-0.6	-7.0	-27.00	0.00	-20.77	0.00
8.000	-0.8	-8.7	-30.57	0.00	-23.51	0.00
8.000	0.8	8.8	30.57	0.00	23.51	0.00
8.100	0.6	7.1	27.00	0.00	20.77	0.00
8.200	0.5	5.3	23.10	0.00	17.77	0.00
8.300	0.3	3.6	19.05	0.00	14.65	0.00
8.400	0.2	1.9	15.00	0.00	11.54	0.00
8.500	0.0	0.2	-11.14	0.00	-8.57	0.00
8.600	-0.1	-1.7	-15.01	0.00	-11.55	0.00
8.700	-0.3	-3.4	-19.06	0.00	-14.66	0.00
8.800	-0.5	-5.1	-23.11	0.00	-17.78	0.00
8.900	-0.6	-6.8	-27.00	0.00	-20.77	0.00
9.000	-0.8	-8.6	-30.57	0.00	-23.52	0.00
9.000	0.7	-8.6	30.54	0.00	23.49	0.00
9.100	0.6	6.5	26.96	0.00	20.74	0.00
9.200	0.4	4.8	23.05	0.00	17.73	0.00
9.300	0.2	3.1	18.99	0.00	14.61	0.00
9.400	0.1	1.3	14.95	0.00	11.50	0.00
9.500	-0.1	-0.4	-11.18	0.00	-8.60	0.00
9.600	-0.2	-2.2	-15.07	0.00	-11.59	0.00
9.700	-0.4	-4.0	-19.12	0.00	-14.71	0.00
9.800	-0.5	-5.7	-23.17	0.00	-17.82	0.00
9.900	-0.7	-7.4	-27.06	0.00	-20.81	0.00
10.000	-0.8	-9.1	-30.61	0.00	-23.54	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	10.4	31.91	0.00	24.55	0.00
10.100	0.9	8.7	28.87	0.00	22.21	0.00
10.200	0.7	7.0	25.44	0.00	19.57	0.00
10.300	0.5	5.3	21.68	0.00	16.68	0.00
10.400	0.4	3.6	17.64	0.00	13.57	0.00
10.500	0.2	1.9	14.12	0.00	10.86	0.00
10.600	0.0	0.1	-12.38	0.00	-9.53	0.00
10.700	-0.2	-1.7	-16.11	0.00	-12.39	0.00
10.800	-0.4	-3.4	-20.12	0.00	-15.48	0.00
10.900	-0.6	-5.2	-24.36	0.00	-18.74	0.00
11.000	-0.7	-6.9	-28.77	0.00	-22.13	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.0	124.8
1.100	172.1	-138.1	126.7
1.200	172.1	-136.2	128.6
1.300	172.1	-134.3	130.5
1.400	172.1	-132.4	132.4
1.500	172.1	-130.5	134.3
1.600	172.1	-128.4	136.3
1.700	172.1	-126.5	138.2
1.800	172.1	-124.6	140.1
1.900	172.1	-122.7	142.0
2.000	172.1	-120.8	143.9
2.000	151.3	-120.8	106.4
2.100	151.3	-124.4	108.3
2.200	151.3	-122.6	110.2
2.300	151.3	-120.7	112.0
2.400	151.3	-118.8	113.9
2.500	151.3	-116.9	115.8
2.600	151.3	-114.9	117.8
2.700	151.3	-113.1	119.7
2.800	151.3	-111.2	121.6
2.900	151.3	-109.3	123.4
3.000	151.3	-107.4	117.1
3.000	151.3	-107.4	107.1
3.100	151.3	-123.8	108.9
3.200	151.3	-121.9	110.8
3.300	151.3	-120.1	112.7
3.400	151.3	-118.2	114.6
3.500	151.3	-116.3	116.4
3.600	151.3	-114.3	118.4
3.700	151.3	-112.4	120.3
3.800	151.3	-110.5	122.2
3.900	151.3	-108.7	124.1
4.000	151.3	-106.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-106.8	106.9
4.100	151.3	-124.0	108.8
4.200	151.3	-122.1	110.6
4.300	151.3	-120.2	112.5
4.400	151.3	-118.3	114.4
4.500	151.3	-116.5	116.3
4.600	151.3	-114.5	118.3
4.700	151.3	-112.6	120.2
4.800	151.3	-110.7	122.0
4.900	151.3	-108.8	123.9
5.000	151.3	-107.0	117.1
5.000	151.3	-107.0	106.9
5.100	151.3	-123.9	108.8
5.200	151.3	-122.1	110.7
5.300	151.3	-120.2	112.6
5.400	151.3	-118.3	114.4
5.500	151.3	-116.4	116.3
5.600	151.3	-114.4	118.3
5.700	151.3	-112.5	120.2
5.800	151.3	-110.7	122.1
5.900	151.3	-108.8	124.0
6.000	151.3	-106.9	117.2
6.000	151.3	-106.9	106.9
6.100	151.3	-124.0	108.8
6.200	151.3	-122.1	110.7
6.300	151.3	-120.2	112.5
6.400	151.3	-118.3	114.4
6.500	151.3	-116.4	116.3
6.600	151.3	-114.4	118.3
6.700	151.3	-112.6	120.2
6.800	151.3	-110.7	122.1
6.900	151.3	-108.8	123.9
7.000	151.3	-106.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.9	107.0
7.100	151.3	-123.9	108.8
7.200	151.3	-122.0	110.7
7.300	151.3	-120.2	112.6
7.400	151.3	-118.3	114.5
7.500	151.3	-116.4	116.3
7.600	151.3	-114.4	118.3
7.700	151.3	-112.5	120.2
7.800	151.3	-110.6	122.1
7.900	151.3	-108.8	124.0
8.000	151.3	-106.9	117.2
8.000	151.3	-106.9	106.8
8.100	151.3	-124.1	108.7
8.200	151.3	-122.2	110.5
8.300	151.3	-120.3	112.4
8.400	151.3	-118.4	114.3
8.500	151.3	-116.6	116.2
8.600	151.3	-114.6	118.2
8.700	151.3	-112.7	120.1
8.800	151.3	-110.8	121.9
8.900	151.3	-108.9	123.8
9.000	151.3	-107.1	117.1
9.000	151.3	-107.1	107.4
9.100	151.3	-123.4	109.3
9.200	151.3	-121.6	111.2
9.300	151.3	-119.7	113.1
9.400	151.3	-117.8	114.9
9.500	151.3	-115.9	116.8
9.600	151.3	-113.9	118.8
9.700	151.3	-112.0	120.7
9.800	151.3	-110.2	122.6
9.900	151.3	-108.3	124.4
10.000	151.3	-106.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-106.4	120.8
10.100	172.1	-142.0	122.7
10.200	172.1	-140.1	124.6
10.300	172.1	-138.2	126.5
10.400	172.1	-136.3	128.4
10.500	172.1	-134.4	130.3
10.600	172.1	-132.4	132.4
10.700	172.1	-130.5	134.3
10.800	172.1	-128.6	136.2
10.900	172.1	-126.7	138.1
11.000	172.1	-124.8	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	53.62	4.34	0.00	99.7
1.100	52.89	5.20	0.00	119.6
1.200	32.65	6.39	0.00	146.9
1.300	17.68	8.10	0.00	186.2
1.400	12.12	10.69	0.00	245.9
1.500	9.24	14.93	0.00	212.5
1.600	7.28	22.70	0.00	167.4
1.700	5.84	40.27	0.00	134.2
1.800	4.90	107.84	0.00	112.7
1.900	4.25	203.01	0.00	97.8
2.000	3.79	205.74	0.00	87.1
2.000	3.79	3.46	0.00	79.5
2.100	38.16	4.00	0.00	92.1
2.200	37.58	4.76	0.00	109.4
2.300	28.27	5.86	0.00	134.8
2.400	15.89	7.56	0.00	173.9
2.500	10.56	10.36	0.00	238.2
2.600	7.69	15.52	0.00	176.8
2.700	5.95	27.25	0.00	136.9
2.800	4.82	33.35	0.00	110.9
2.900	4.05	33.87	0.00	93.3
3.000	3.52	32.13	0.00	80.9
3.000	3.52	3.50	0.00	80.6
3.100	38.15	4.03	0.00	92.8
3.200	37.57	4.80	0.00	110.3
3.300	27.47	5.91	0.00	136.0
3.400	15.65	7.63	0.00	175.5
3.500	10.45	10.45	0.00	240.3
3.600	7.62	15.68	0.00	175.2
3.700	5.90	27.52	0.00	135.7
3.800	4.78	37.85	0.00	110.1
3.900	4.03	38.43	0.00	92.6
4.000	3.49	36.29	0.00	80.4

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.49	3.50	0.00	80.4
4.100	38.22	4.03	0.00	92.7
4.200	37.64	4.79	0.00	110.1
4.300	27.51	5.91	0.00	135.8
4.400	15.67	7.62	0.00	175.3
4.500	10.46	10.44	0.00	240.2
4.600	7.63	15.66	0.00	175.4
4.700	5.91	27.49	0.00	135.9
4.800	4.79	37.63	0.00	110.2
4.900	4.03	38.21	0.00	92.7
5.000	3.50	36.13	0.00	80.5
5.000	3.50	3.50	0.00	80.5
5.100	38.21	4.03	0.00	92.7
5.200	37.63	4.79	0.00	110.2
5.300	27.50	5.91	0.00	135.9
5.400	15.66	7.62	0.00	175.4
5.500	10.46	10.45	0.00	240.3
5.600	7.62	15.66	0.00	175.3
5.700	5.91	27.50	0.00	135.9
5.800	4.79	37.63	0.00	110.2
5.900	4.03	38.21	0.00	92.7
6.000	3.50	36.12	0.00	80.4
6.000	3.50	3.50	0.00	80.4
6.100	38.21	4.03	0.00	92.7
6.200	37.63	4.79	0.00	110.2
6.300	27.50	5.91	0.00	135.9
6.400	15.66	7.62	0.00	175.3
6.500	10.46	10.44	0.00	240.2
6.600	7.62	15.66	0.00	175.4
6.700	5.91	27.50	0.00	135.9
6.800	4.79	37.63	0.00	110.2
6.900	4.03	38.21	0.00	92.7
7.000	3.50	36.12	0.00	80.5

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.50	3.50	0.00	80.5
7.100	38.21	4.03	0.00	92.7
7.200	37.63	4.79	0.00	110.2
7.300	27.49	5.91	0.00	135.9
7.400	15.66	7.63	0.00	175.4
7.500	10.45	10.45	0.00	240.3
7.600	7.62	15.67	0.00	175.3
7.700	5.91	27.51	0.00	135.8
7.800	4.79	37.64	0.00	110.1
7.900	4.03	38.22	0.00	92.7
8.000	3.50	36.12	0.00	80.4
8.000	3.50	3.49	0.00	80.4
8.100	38.43	4.03	0.00	92.6
8.200	37.85	4.78	0.00	110.1
8.300	27.52	5.90	0.00	135.7
8.400	15.68	7.62	0.00	175.2
8.500	10.47	10.44	0.00	240.1
8.600	7.63	15.65	0.00	175.5
8.700	5.91	27.47	0.00	136.0
8.800	4.80	37.57	0.00	110.3
8.900	4.03	38.15	0.00	92.8
9.000	3.50	36.10	0.00	80.6
9.000	3.50	3.52	0.00	80.6
9.100	33.87	4.05	0.00	93.3
9.200	33.35	4.82	0.00	110.9
9.300	27.25	5.95	0.00	136.9
9.400	15.52	7.69	0.00	176.8
9.500	10.37	10.55	0.00	238.4
9.600	7.56	15.89	0.00	173.9
9.700	5.86	28.27	0.00	134.8
9.800	4.76	37.58	0.00	109.4
9.900	4.00	38.15	0.00	92.1
10.000	3.48	35.94	0.00	80.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.48	3.79	0.00	80.0
10.100	203.01	4.25	0.00	97.8
10.200	107.84	4.90	0.00	112.7
10.300	40.27	5.84	0.00	134.2
10.400	22.70	7.28	0.00	167.4
10.500	14.94	9.23	0.00	212.3
10.600	10.69	12.12	0.00	245.9
10.700	8.10	17.68	0.00	186.2
10.800	6.39	32.65	0.00	146.9
10.900	5.20	52.89	0.00	119.6
11.000	4.34	999.00	0.00	99.7

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 48.9	332.2	332.2	-332.2	-332.2	315.5	315.5	-348.9	-3
1.200 60.8	332.2	332.2	-332.2	-332.2	303.6	303.6	-360.8	-3
1.300 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.400 70.3	332.2	332.2	-332.2	-332.2	294.1	294.1	-370.3	-3
1.500 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.600 60.5	332.2	332.2	-332.2	-332.2	303.9	303.9	-360.5	-3
1.700 48.2	332.2	332.2	-332.2	-332.2	316.2	316.2	-348.2	-3
1.800 31.3	332.2	332.2	-332.2	-332.2	333.1	333.1	-331.3	-3
1.900 09.6	332.2	332.2	-332.2	-332.2	354.8	354.8	-309.6	-3
2.000 83.1	332.2	332.2	-332.2	-332.2	381.3	381.3	-283.1	-2
2.000 30.3	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
2.100 52.8	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
2.200 70.6	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
2.300 83.8	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
2.400 92.3	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
2.500 96.0	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
2.600 94.8	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
2.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
2.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
2.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2

3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.100	279.4	279.4	-279.4	-279.4	294.9	294.9	-263.9	-2
63.9								
3.200	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
80.1								
3.300	279.4	279.4	-279.4	-279.4	267.1	267.1	-291.7	-2
91.7								
3.400	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
98.5								
3.500	279.4	279.4	-279.4	-279.4	258.1	258.1	-300.7	-3
00.7								
3.600	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
3.700	279.4	279.4	-279.4	-279.4	268.5	268.5	-290.3	-2
90.3								
3.800	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
78.1								
3.900	279.4	279.4	-279.4	-279.4	297.6	297.6	-261.2	-2
61.2								
4.000	279.4	279.4	-279.4	-279.4	319.3	319.3	-239.5	-2
39.5								

6.000 40.2	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
6.000 40.2	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
6.100 61.5	279.4	279.4	-279.4	-279.4	297.3	297.3	-261.5	-2
6.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
6.300 90.0	279.4	279.4	-279.4	-279.4	268.8	268.8	-290.0	-2
6.400 97.2	279.4	279.4	-279.4	-279.4	261.6	261.6	-297.2	-2
6.500 99.8	279.4	279.4	-279.4	-279.4	259.0	259.0	-299.8	-2
6.600 97.3	279.4	279.4	-279.4	-279.4	261.5	261.5	-297.3	-2
6.700 90.1	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
6.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
6.900 61.7	279.4	279.4	-279.4	-279.4	297.1	297.1	-261.7	-2
7.000 40.5	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2

9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
9.200	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
9.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
88.9								
9.400	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
94.8								
9.500	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
96.0								
9.600	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
92.3								
9.700	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
83.8								
9.800	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
70.6								
9.900	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
52.8								
10.000	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
30.3								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.18	53.45	5.18	53.45	0.00	119.2
1.200	3.02	27.64	3.02	27.64	0.00	69.4
1.300	2.45	18.79	2.45	18.79	0.00	56.4
1.400	2.29	14.18	2.29	14.18	0.00	52.6
1.500	2.36	11.27	2.36	11.27	0.00	54.2
1.600	2.72	9.20	2.72	9.20	0.00	62.6
1.700	3.47	7.62	3.47	7.62	0.00	79.9
1.800	5.88	6.34	5.88	6.34	0.00	135.2
1.900	22.55	5.27	22.55	5.27	0.00	121.2
2.000	21.81	3.79	21.81	3.79	0.00	87.0
2.000	18.79	3.08	18.79	3.08	0.00	70.8
2.100	28.67	4.03	28.67	4.03	0.00	92.7
2.200	5.64	5.05	5.64	5.05	0.00	116.1
2.300	3.48	6.37	3.48	6.37	0.00	80.0
2.400	2.84	8.25	2.84	8.25	0.00	65.3
2.500	2.63	11.26	2.63	11.26	0.00	60.5
2.600	2.80	9.38	2.80	9.38	0.00	64.4
2.700	3.38	7.30	3.38	7.30	0.00	77.8
2.800	5.38	5.83	5.38	5.83	0.00	123.8
2.900	19.75	4.70	19.75	4.70	0.00	108.2
3.000	16.40	3.45	16.40	3.45	0.00	79.4
3.000	16.40	3.45	16.40	3.45	0.00	79.4
3.100	17.54	4.75	17.54	4.75	0.00	109.2
3.200	5.36	5.89	5.36	5.89	0.00	123.2
3.300	3.35	7.39	3.35	7.39	0.00	77.0
3.400	2.76	9.52	2.76	9.52	0.00	63.4
3.500	2.57	12.85	2.57	12.85	0.00	59.2
3.600	2.76	9.45	2.76	9.45	0.00	63.5
3.700	3.36	7.33	3.36	7.33	0.00	77.3
3.800	5.39	5.82	5.39	5.82	0.00	123.9
3.900	19.89	4.68	19.89	4.68	0.00	107.5
4.000	18.63	3.40	18.63	3.40	0.00	78.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	18.63	3.40	18.63	3.40	0.00	78.3
4.100	20.00	4.67	20.00	4.67	0.00	107.5
4.200	5.40	5.82	5.40	5.82	0.00	124.1
4.300	3.37	7.31	3.37	7.31	0.00	77.5
4.400	2.77	9.42	2.77	9.42	0.00	63.8
4.500	2.59	12.79	2.59	12.79	0.00	59.5
4.600	2.77	9.42	2.77	9.42	0.00	63.7
4.700	3.37	7.32	3.37	7.32	0.00	77.4
4.800	5.39	5.83	5.39	5.83	0.00	123.9
4.900	19.86	4.68	19.86	4.68	0.00	107.8
5.000	18.58	3.42	18.58	3.42	0.00	78.6
5.000	18.58	3.42	18.58	3.42	0.00	78.6
5.100	19.86	4.69	19.86	4.69	0.00	107.8
5.200	5.38	5.83	5.38	5.83	0.00	123.8
5.300	3.36	7.32	3.36	7.32	0.00	77.4
5.400	2.77	9.43	2.77	9.43	0.00	63.7
5.500	2.58	12.81	2.58	12.81	0.00	59.4
5.600	2.77	9.43	2.77	9.43	0.00	63.7
5.700	3.37	7.32	3.37	7.32	0.00	77.4
5.800	5.39	5.82	5.39	5.82	0.00	123.9
5.900	19.87	4.68	19.87	4.68	0.00	107.7
6.000	18.59	3.41	18.59	3.41	0.00	78.5
6.000	18.59	3.41	18.59	3.41	0.00	78.5
6.100	19.87	4.68	19.87	4.68	0.00	107.7
6.200	5.39	5.82	5.39	5.82	0.00	123.9
6.300	3.37	7.32	3.37	7.32	0.00	77.4
6.400	2.77	9.43	2.77	9.43	0.00	63.7
6.500	2.58	12.81	2.58	12.81	0.00	59.4
6.600	2.77	9.43	2.77	9.43	0.00	63.7
6.700	3.36	7.32	3.36	7.32	0.00	77.4
6.800	5.38	5.83	5.38	5.83	0.00	123.8
6.900	19.86	4.69	19.86	4.69	0.00	107.8
7.000	18.58	3.42	18.58	3.42	0.00	78.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	18.58	3.42	18.58	3.42	0.00	78.6
7.100	19.86	4.68	19.86	4.68	0.00	107.8
7.200	5.39	5.83	5.39	5.83	0.00	123.9
7.300	3.37	7.32	3.37	7.32	0.00	77.4
7.400	2.77	9.42	2.77	9.42	0.00	63.7
7.500	2.59	12.79	2.59	12.79	0.00	59.5
7.600	2.77	9.42	2.77	9.42	0.00	63.8
7.700	3.37	7.31	3.37	7.31	0.00	77.5
7.800	5.40	5.82	5.40	5.82	0.00	124.1
7.900	20.00	4.67	20.00	4.67	0.00	107.5
8.000	18.63	3.40	18.63	3.40	0.00	78.3
8.000	18.63	3.40	18.63	3.40	0.00	78.3
8.100	19.89	4.68	19.89	4.68	0.00	107.5
8.200	5.39	5.82	5.39	5.82	0.00	123.9
8.300	3.36	7.33	3.36	7.33	0.00	77.3
8.400	2.76	9.45	2.76	9.45	0.00	63.5
8.500	2.57	12.85	2.57	12.85	0.00	59.2
8.600	2.76	9.52	2.76	9.52	0.00	63.4
8.700	3.35	7.39	3.35	7.39	0.00	77.0
8.800	5.36	5.89	5.36	5.89	0.00	123.2
8.900	17.54	4.75	17.54	4.75	0.00	109.2
9.000	16.40	3.45	16.40	3.45	0.00	79.4
9.000	16.40	3.45	16.40	3.45	0.00	79.4
9.100	19.75	4.70	19.75	4.70	0.00	108.2
9.200	5.38	5.83	5.38	5.83	0.00	123.8
9.300	3.38	7.30	3.38	7.30	0.00	77.8
9.400	2.80	9.38	2.80	9.38	0.00	64.4
9.500	2.63	11.26	2.63	11.26	0.00	60.5
9.600	2.84	8.25	2.84	8.25	0.00	65.3
9.700	3.48	6.37	3.48	6.37	0.00	80.0
9.800	5.64	5.05	5.64	5.05	0.00	116.1
9.900	28.67	4.03	28.67	4.03	0.00	92.7
10.000	18.79	3.08	18.79	3.08	0.00	70.8

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	18.79	3.08	18.79	3.08	0.00	70.8
10.100	22.55	5.27	22.55	5.27	0.00	121.2
10.200	5.88	6.34	5.88	6.34	0.00	135.2
10.300	3.47	7.62	3.47	7.62	0.00	79.9
10.400	2.72	9.20	2.72	9.20	0.00	62.6
10.500	2.36	11.27	2.36	11.27	0.00	54.2
10.600	2.29	14.18	2.29	14.18	0.00	52.6
10.700	2.45	18.79	2.45	18.79	0.00	56.4
10.800	3.02	27.64	3.02	27.64	0.00	69.4
10.900	5.18	53.45	5.18	53.45	0.00	119.2
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	15.0	62.26 R	0.00	47.89	0.00
1.200	2.8	25.8	100.96 R	0.00	77.66	0.00
1.300	3.5	32.2	126.12 R	0.00	97.01	0.00
1.400	3.7	34.4	137.69 R	0.00	105.92	0.00
1.500	3.5	32.2	133.85 L	0.00	102.96	0.00
1.600	2.8	25.4	119.88 L	0.00	92.22	0.00
1.700	1.7	14.4	93.34 L	0.00	71.80	0.00
1.800	0.1	-1.0	-56.55 R	0.00	-43.50	0.00
1.900	-2.0	-20.7	-63.62 R	0.00	-48.94	0.00
2.000	-4.5	-44.7	-90.16 R	0.00	-69.35	0.00
2.000	-4.5	-44.7	-90.16 R	0.00	-69.35	0.00
2.100	-2.6	-24.0	-67.84 L	0.00	-52.18	0.00
2.200	-1.0	-7.7	-57.99 L	0.00	-44.60	0.00
2.300	0.1	4.3	81.20 R	0.00	62.46	0.00
2.400	0.8	12.0	100.69 R	0.00	77.45	0.00
2.500	1.2	15.5	104.34 R	0.00	80.26	0.00
2.600	1.1	14.3	101.08 L	0.00	77.76	0.00
2.700	0.7	8.8	81.93 L	0.00	63.03	0.00
2.800	-0.1	-1.0	-51.71 R	0.00	-39.77	0.00
2.900	-1.3	-15.1	-60.54 R	0.00	-46.57	0.00
3.000	-2.9	-33.5	-83.21 L	0.00	-64.01	0.00
3.000	-2.9	-33.5	-83.21 L	0.00	-64.01	0.00
3.100	-1.2	-14.3	-60.20 L	0.00	-46.31	0.00
3.200	0.1	0.6	-51.46 L	0.00	-39.59	0.00
3.300	1.0	11.2	82.00 R	0.00	63.08	0.00
3.400	1.6	17.5	101.33 R	0.00	77.94	0.00
3.500	1.7	19.5	104.77 L	0.00	80.59	0.00
3.600	1.5	16.9	101.35 L	0.00	77.96	0.00
3.700	0.9	10.0	82.05 L	0.00	63.12	0.00
3.800	-0.1	-1.2	-51.70 R	0.00	-39.77	0.00
3.900	-1.5	-16.7	-60.49 R	0.00	-46.53	0.00
4.000	-3.3	-36.5	-83.16 L	0.00	-63.97	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
 Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-36.5	-83.16 L 0.00	-63.97 0.00
4.100	-1.6	-16.9	-60.46 L 0.00	-46.51 0.00
4.200	-0.2	-1.6	-51.68 L 0.00	-39.76 0.00
4.300	0.8	9.4	82.06 R 0.00	63.12 0.00
4.400	1.4	16.1	101.37 R 0.00	77.98 0.00
4.500	1.6	18.5	104.80 L 0.00	80.62 0.00
4.600	1.4	16.2	101.37 L 0.00	77.98 0.00
4.700	0.8	9.7	82.06 L 0.00	63.12 0.00
4.800	-0.1	-1.1	-51.70 R 0.00	-39.77 0.00
4.900	-1.5	-16.3	-60.48 R 0.00	-46.53 0.00
5.000	-3.2	-35.7	-83.16 L 0.00	-63.97 0.00
5.000	-3.2	-35.7	-83.16 L 0.00	-63.97 0.00
5.100	-1.5	-16.2	-60.48 L 0.00	-46.53 0.00
5.200	-0.1	-1.0	-51.70 L 0.00	-39.77 0.00
5.300	0.9	9.9	82.06 R 0.00	63.12 0.00
5.400	1.4	16.4	101.37 R 0.00	77.98 0.00
5.500	1.6	18.7	104.80 R 0.00	80.62 0.00
5.600	1.4	16.4	101.37 L 0.00	77.98 0.00
5.700	0.8	9.7	82.06 L 0.00	63.12 0.00
5.800	-0.1	-1.2	-51.70 R 0.00	-39.77 0.00
5.900	-1.5	-16.4	-60.48 R 0.00	-46.53 0.00
6.000	-3.3	-36.0	-83.16 R 0.00	-63.97 0.00
6.000	-3.3	-36.0	-83.16 R 0.00	-63.97 0.00
6.100	-1.5	-16.4	-60.48 L 0.00	-46.53 0.00
6.200	-0.1	-1.2	-51.70 L 0.00	-39.77 0.00
6.300	0.8	9.7	82.06 R 0.00	63.13 0.00
6.400	1.4	16.4	101.37 R 0.00	77.98 0.00
6.500	1.6	18.7	104.80 R 0.00	80.62 0.00
6.600	1.4	16.4	101.37 L 0.00	77.98 0.00
6.700	0.9	9.9	82.06 L 0.00	63.12 0.00
6.800	-0.1	-1.0	-51.70 R 0.00	-39.77 0.00
6.900	-1.5	-16.2	-60.48 R 0.00	-46.53 0.00
7.000	-3.2	-35.7	-83.16 R 0.00	-63.97 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-35.7	-83.16 R 0.00	-63.97 0.00
7.100	-1.5	-16.3	-60.48 L 0.00	-46.53 0.00
7.200	-0.1	-1.1	-51.70 L 0.00	-39.77 0.00
7.300	0.8	9.7	82.06 R 0.00	63.12 0.00
7.400	1.4	16.2	101.37 R 0.00	77.98 0.00
7.500	1.6	18.5	104.80 R 0.00	80.62 0.00
7.600	1.4	16.1	101.37 L 0.00	77.98 0.00
7.700	0.8	9.4	82.06 L 0.00	63.12 0.00
7.800	-0.2	-1.6	-51.68 R 0.00	-39.76 0.00
7.900	-1.6	-16.9	-60.46 R 0.00	-46.51 0.00
8.000	-3.3	-36.5	-83.16 R 0.00	-63.97 0.00
8.000	-3.3	-36.5	-83.16 R 0.00	-63.97 0.00
8.100	-1.5	-16.7	-60.49 L 0.00	-46.53 0.00
8.200	-0.1	-1.2	-51.70 L 0.00	-39.77 0.00
8.300	0.9	10.0	82.05 R 0.00	63.12 0.00
8.400	1.5	16.9	101.35 R 0.00	77.96 0.00
8.500	1.7	19.5	104.77 R 0.00	80.59 0.00
8.600	1.6	17.5	101.32 L 0.00	77.94 0.00
8.700	1.0	11.2	82.00 L 0.00	63.08 0.00
8.800	0.1	0.6	-51.46 R 0.00	-39.59 0.00
8.900	-1.2	-14.3	-60.20 R 0.00	-46.31 0.00
9.000	-2.9	-33.5	-83.21 R 0.00	-64.01 0.00
9.000	-2.9	-33.5	-83.21 R 0.00	-64.01 0.00
9.100	-1.3	-15.1	-60.54 L 0.00	-46.57 0.00
9.200	-0.1	-1.0	-51.71 L 0.00	-39.77 0.00
9.300	0.7	8.8	81.93 R 0.00	63.03 0.00
9.400	1.1	14.3	101.08 R 0.00	77.76 0.00
9.500	1.2	15.5	104.34 L 0.00	80.26 0.00
9.600	0.8	12.0	100.69 L 0.00	77.45 0.00
9.700	0.1	4.3	81.20 L 0.00	62.46 0.00
9.800	-1.0	-7.7	-57.99 R 0.00	-44.60 0.00
9.900	-2.6	-24.0	-67.84 R 0.00	-52.18 0.00
10.000	-4.5	-44.7	-90.16 L 0.00	-69.35 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-44.7	-90.16	L 0.00	-69.35	0.00
10.100	-2.0	-20.7	-63.62	L 0.00	-48.94	0.00
10.200	0.1	-1.0	-56.55	L 0.00	-43.50	0.00
10.300	1.7	14.4	93.34	R 0.00	71.80	0.00
10.400	2.8	25.4	119.88	R 0.00	92.22	0.00
10.500	3.5	32.2	133.85	R 0.00	102.96	0.00
10.600	3.7	34.4	137.69	L 0.00	105.92	0.00
10.700	3.5	32.2	126.12	L 0.00	97.01	0.00
10.800	2.8	25.8	100.96	L 0.00	77.66	0.00
10.900	1.6	15.0	62.26	L 0.00	47.89	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	343.0	302.8	-336.1	-376.
1.200	359.7C	319.4	-319.4	-359.7C	331.1	290.9	-348.0	-388.
1.300	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.400	359.7C	319.4	-319.4	-359.7C	321.6	281.3	-357.5	-397.
1.500	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.600	359.7C	319.4	-319.4	-359.7C	331.4	291.2	-347.7	-387.
1.700	359.7C	319.4	-319.4	-359.7C	343.6	303.4	-335.5	-375.
1.800	359.7C	319.4	-319.4	-359.7C	360.6	320.3	-318.5	-358.
1.900	359.7C	319.4	-319.4	-359.7C	382.3	342.1	-296.8	-337.
2.000	359.7C	319.4	-319.4	-359.7C	408.8	368.6	-270.3	-310.
2.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.
2.100	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
2.200	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
2.300	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
2.400	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
2.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
2.600	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
2.700	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
2.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
2.900	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.

2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
1	3.100	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.
3	3.200	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
9	3.300	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
7	3.400	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	3.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
1	3.600	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5	3.700	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
3	3.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4	3.900	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
8	4.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.

4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
7	6.100	300.6C	268.7	-268.7	-300.6C	318.6	286.6	-250.7	-282.
3	6.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
5	6.400	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
0	6.500	300.6C	268.7	-268.7	-300.6C	280.3	248.3	-289.0	-321.
5	6.600	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
3	6.700	300.6C	268.7	-268.7	-300.6C	289.9	257.9	-279.4	-311.
5	6.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
9	6.900	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-282.
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

4F1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
9	7.100	300.6C	268.7	-268.7	-300.6C	318.4	286.4	-250.9	-282.
4	7.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	7.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
3	7.400	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
7	7.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
1	7.600	300.6C	268.7	-268.7	-300.6C	283.2	251.2	-286.1	-318.
8	7.700	300.6C	268.7	-268.7	-300.6C	290.5	258.5	-278.8	-310.
8	7.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
1	7.900	300.6C	268.7	-268.7	-300.6C	319.1	287.1	-250.2	-282.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
4	8.100	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
3	8.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
5	8.300	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
1	8.400	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
9	8.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
7	8.600	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	8.700	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
3	8.800	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
1	8.900	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.

2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.100	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.
5	9.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
1	9.300	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
0	9.400	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
3	9.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	9.600	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
0	9.700	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
9	9.800	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
0	9.900	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
5	10.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.51	47.55	4.86	53.24	0.00	131.3
1.200	3.28	24.61	2.88	27.46	0.00	77.8
1.300	2.57	16.75	2.25	18.65	0.00	60.7
1.400	2.34	12.64	2.04	14.07	0.00	55.2
1.500	2.42	10.05	2.12	11.19	0.00	57.2
1.600	2.77	8.20	2.43	9.15	0.00	65.6
1.700	3.68	6.78	3.25	7.59	0.00	87.8
1.800	6.81	5.63	6.05	6.34	0.00	152.1
1.900	22.75	4.66	20.36	5.30	0.00	126.0
2.000	21.58	3.00	19.46	3.44	0.00	80.9
2.000	18.47	2.43	16.78	2.79	0.00	65.7
2.100	32.84	3.57	29.63	4.04	0.00	96.3
2.200	6.57	4.48	5.89	5.03	0.00	121.0
2.300	3.65	5.67	3.25	6.34	0.00	87.9
2.400	2.86	7.35	2.54	8.19	0.00	68.6
2.500	2.72	10.03	2.41	11.16	0.00	65.2
2.600	2.82	8.34	2.51	9.28	0.00	67.6
2.700	3.55	6.49	3.16	7.23	0.00	85.4
2.800	6.29	5.17	5.62	5.79	0.00	139.7
2.900	19.83	4.17	17.83	4.69	0.00	112.5
3.000	16.19	2.79	14.66	3.17	0.00	75.3
3.000	16.19	2.79	14.66	3.17	0.00	75.3
3.100	17.57	4.20	15.80	4.74	0.00	113.5
3.200	6.26	5.23	5.59	5.86	0.00	141.3
3.300	3.52	6.58	3.13	7.32	0.00	84.4
3.400	2.78	8.47	2.46	9.41	0.00	66.5
3.500	2.67	11.44	2.36	12.70	0.00	63.7
3.600	2.78	8.41	2.47	9.35	0.00	66.7
3.700	3.53	6.51	3.14	7.26	0.00	84.8
3.800	6.29	5.17	5.62	5.79	0.00	139.6
3.900	19.96	4.14	17.96	4.67	0.00	111.8
4.000	18.34	2.75	16.62	3.14	0.00	74.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
4.000	18.34	2.75	16.62	3.14	0.00	74.3
4.100	20.07	4.14	18.06	4.67	0.00	111.7
4.200	6.30	5.16	5.64	5.78	0.00	139.4
4.300	3.54	6.50	3.15	7.24	0.00	85.1
4.400	2.79	8.38	2.48	9.32	0.00	66.9
4.500	2.68	11.39	2.37	12.65	0.00	64.1
4.600	2.79	8.39	2.48	9.32	0.00	66.9
4.700	3.54	6.51	3.15	7.25	0.00	84.9
4.800	6.29	5.17	5.62	5.79	0.00	139.6
4.900	19.93	4.15	17.93	4.68	0.00	112.0
5.000	18.30	2.76	16.57	3.15	0.00	74.6
5.100	19.93	4.15	17.93	4.68	0.00	112.0
5.200	6.29	5.17	5.62	5.79	0.00	139.7
5.300	3.53	6.51	3.14	7.25	0.00	84.9
5.400	2.79	8.39	2.47	9.33	0.00	66.8
5.500	2.67	11.40	2.37	12.66	0.00	64.0
5.600	2.79	8.39	2.47	9.33	0.00	66.8
5.700	3.54	6.51	3.14	7.25	0.00	84.9
5.800	6.29	5.17	5.62	5.79	0.00	139.6
5.900	19.94	4.14	17.94	4.67	0.00	111.9
6.000	18.31	2.76	16.59	3.14	0.00	74.5
6.100	19.94	4.14	17.94	4.67	0.00	111.9
6.200	6.29	5.17	5.62	5.79	0.00	139.6
6.300	3.54	6.51	3.14	7.25	0.00	84.9
6.400	2.79	8.39	2.47	9.33	0.00	66.8
6.500	2.67	11.40	2.37	12.66	0.00	64.0
6.600	2.79	8.39	2.47	9.33	0.00	66.8
6.700	3.53	6.51	3.14	7.26	0.00	84.9
6.800	6.29	5.17	5.62	5.79	0.00	139.7
6.900	19.93	4.15	17.93	4.68	0.00	112.0
7.000	18.30	2.76	16.57	3.15	0.00	74.6

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
7.000	18.30	2.76	16.57	3.15	0.00	74.6
7.100	19.93	4.15	17.93	4.68	0.00	112.0
7.200	6.29	5.17	5.62	5.79	0.00	139.6
7.300	3.54	6.51	3.15	7.25	0.00	84.9
7.400	2.79	8.39	2.48	9.32	0.00	66.9
7.500	2.68	11.39	2.37	12.65	0.00	64.1
7.600	2.79	8.38	2.48	9.32	0.00	66.9
7.700	3.54	6.50	3.15	7.24	0.00	85.1
7.800	6.30	5.16	5.64	5.78	0.00	139.4
7.900	20.07	4.14	18.06	4.67	0.00	111.7
8.000	18.34	2.75	16.62	3.14	0.00	74.3
8.000	18.34	2.75	16.62	3.14	0.00	74.3
8.100	19.96	4.14	17.96	4.67	0.00	111.8
8.200	6.29	5.17	5.62	5.79	0.00	139.6
8.300	3.53	6.51	3.14	7.26	0.00	84.8
8.400	2.78	8.41	2.47	9.35	0.00	66.7
8.500	2.67	11.44	2.36	12.70	0.00	63.7
8.600	2.78	8.47	2.46	9.41	0.00	66.5
8.700	3.52	6.58	3.13	7.32	0.00	84.4
8.800	6.26	5.23	5.59	5.86	0.00	141.3
8.900	17.57	4.20	15.80	4.74	0.00	113.5
9.000	16.19	2.79	14.66	3.17	0.00	75.3
9.000	16.19	2.79	14.66	3.17	0.00	75.3
9.100	19.83	4.17	17.83	4.69	0.00	112.5
9.200	6.29	5.17	5.62	5.79	0.00	139.7
9.300	3.55	6.49	3.16	7.23	0.00	85.4
9.400	2.82	8.34	2.51	9.28	0.00	67.6
9.500	2.72	10.03	2.41	11.16	0.00	65.2
9.600	2.86	7.35	2.54	8.19	0.00	68.6
9.700	3.65	5.67	3.25	6.34	0.00	87.9
9.800	6.57	4.48	5.89	5.03	0.00	121.0
9.900	32.84	3.57	29.63	4.04	0.00	96.3
10.000	18.47	2.43	16.78	2.79	0.00	65.7

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
10.000	21.58	2.43	16.78	3.44	0.00	65.7
10.100	22.75	4.66	20.36	5.30	0.00	126.0
10.200	6.81	5.63	6.05	6.34	0.00	152.1
10.300	3.68	6.78	3.25	7.59	0.00	87.8
10.400	2.77	8.20	2.43	9.15	0.00	65.6
10.500	2.42	10.05	2.12	11.19	0.00	57.2
10.600	2.34	12.64	2.04	14.07	0.00	55.2
10.700	2.57	16.75	2.25	18.65	0.00	60.7
10.800	3.28	24.61	2.88	27.46	0.00	77.8
10.900	5.51	47.54	4.86	53.24	0.00	131.3
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.9	29.87	0.00	22.97	0.00
1.100	0.6	5.2	24.90	0.00	19.16	0.00
1.200	0.4	3.4	20.19	0.00	15.53	0.00
1.300	0.2	1.7	15.89	0.00	12.22	0.00
1.400	0.0	-0.1	11.80	0.00	9.08	0.00
1.500	-0.2	-1.8	-14.21	0.00	-10.93	0.00
1.600	-0.4	-3.6	-18.09	0.00	-13.92	0.00
1.700	-0.5	-5.3	-22.18	0.00	-17.06	0.00
1.800	-0.7	-7.0	-26.13	0.00	-20.10	0.00
1.900	-0.9	-8.7	-30.41	0.00	-23.39	0.00
2.000	-1.1	-10.4	-34.28	0.00	-26.37	0.00
2.000	0.8	-10.4	32.52	0.00	25.01	0.00
2.100	0.7	7.4	28.06	0.00	21.59	0.00
2.200	0.5	5.7	23.81	0.00	18.32	0.00
2.300	0.4	4.0	19.55	0.00	15.04	0.00
2.400	0.2	2.2	15.06	0.00	11.58	0.00
2.500	0.1	0.5	10.46	0.00	8.04	0.00
2.600	-0.1	-1.3	-14.93	0.00	-11.48	0.00
2.700	-0.2	-3.1	-19.42	0.00	-14.94	0.00
2.800	-0.4	-4.8	-23.67	0.00	-18.20	0.00
2.900	-0.6	-6.5	-27.94	0.00	-21.49	0.00
3.000	-0.7	-8.2	-32.28	0.00	-24.83	0.00
3.000	0.8	8.6	32.33	0.00	24.87	0.00
3.100	0.6	6.8	28.00	0.00	21.54	0.00
3.200	0.5	5.1	23.72	0.00	18.24	0.00
3.300	0.3	3.4	19.48	0.00	14.99	0.00
3.400	0.1	1.7	15.00	0.00	11.54	0.00
3.500	0.0	-0.1	10.40	0.00	8.00	0.00
3.600	-0.2	-1.9	-14.99	0.00	-11.53	0.00
3.700	-0.3	-3.6	-19.48	0.00	-14.98	0.00
3.800	-0.5	-5.3	-23.71	0.00	-18.24	0.00
3.900	-0.6	-7.1	-27.99	0.00	-21.53	0.00
4.000	-0.8	-8.8	-32.32	0.00	-24.86	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-8.8	32.33	0.00	24.87	0.00
4.100	0.6	7.0	28.00	0.00	21.54	0.00
4.200	0.5	5.3	23.71	0.00	18.24	0.00
4.300	0.3	3.5	19.48	0.00	14.98	0.00
4.400	0.2	1.8	14.99	0.00	11.53	0.00
4.500	0.0	0.1	10.40	0.00	8.00	0.00
4.600	-0.2	-1.8	-14.99	0.00	-11.53	0.00
4.700	-0.3	-3.5	-19.48	0.00	-14.98	0.00
4.800	-0.5	-5.2	-23.71	0.00	-18.24	0.00
4.900	-0.6	-6.9	-28.00	0.00	-21.53	0.00
5.000	-0.8	-8.6	-32.33	0.00	-24.87	0.00
5.000	0.8	8.6	32.33	0.00	24.87	0.00
5.100	0.6	6.9	28.00	0.00	21.54	0.00
5.200	0.5	5.2	23.71	0.00	18.24	0.00
5.300	0.3	3.5	19.48	0.00	14.98	0.00
5.400	0.2	1.8	14.99	0.00	11.53	0.00
5.500	0.0	0.1	10.39	0.00	8.00	0.00
5.600	-0.2	-1.8	-14.99	0.00	-11.53	0.00
5.700	-0.3	-3.5	-19.48	0.00	-14.98	0.00
5.800	-0.5	-5.2	-23.71	0.00	-18.24	0.00
5.900	-0.6	-7.0	-28.00	0.00	-21.54	0.00
6.000	-0.8	-8.7	-32.33	0.00	-24.87	0.00
6.000	0.8	8.7	32.33	0.00	24.87	0.00
6.100	0.6	7.0	28.00	0.00	21.54	0.00
6.200	0.5	5.2	23.71	0.00	18.24	0.00
6.300	0.3	3.5	19.48	0.00	14.98	0.00
6.400	0.2	1.8	14.99	0.00	11.53	0.00
6.500	0.0	0.1	10.39	0.00	8.00	0.00
6.600	-0.2	-1.8	-14.99	0.00	-11.53	0.00
6.700	-0.3	-3.5	-19.48	0.00	-14.98	0.00
6.800	-0.5	-5.2	-23.71	0.00	-18.24	0.00
6.900	-0.6	-6.9	-28.00	0.00	-21.54	0.00
7.000	-0.8	-8.6	-32.33	0.00	-24.87	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-8.6	32.32	0.00	24.87	0.00
7.100	0.6	6.9	28.00	0.00	21.53	0.00
7.200	0.5	5.2	23.71	0.00	18.24	0.00
7.300	0.3	3.5	19.48	0.00	14.98	0.00
7.400	0.2	1.8	14.99	0.00	11.53	0.00
7.500	0.0	0.1	-10.40	0.00	8.00	0.00
7.600	-0.2	-1.8	-14.99	0.00	-11.53	0.00
7.700	-0.3	-3.5	-19.48	0.00	-14.98	0.00
7.800	-0.5	-5.3	-23.71	0.00	-18.24	0.00
7.900	-0.6	-7.0	-28.00	0.00	-21.54	0.00
8.000	-0.8	-8.7	-32.33	0.00	-24.87	0.00
8.000	0.8	8.8	32.32	0.00	24.86	0.00
8.100	0.6	7.1	27.99	0.00	21.53	0.00
8.200	0.5	5.3	23.71	0.00	18.24	0.00
8.300	0.3	3.6	19.48	0.00	14.98	0.00
8.400	0.2	1.9	14.99	0.00	11.53	0.00
8.500	0.0	0.2	-10.40	0.00	-8.00	0.00
8.600	-0.1	-1.7	-15.00	0.00	-11.54	0.00
8.700	-0.3	-3.4	-19.48	0.00	-14.99	0.00
8.800	-0.5	-5.1	-23.72	0.00	-18.24	0.00
8.900	-0.6	-6.8	-28.00	0.00	-21.54	0.00
9.000	-0.8	-8.6	-32.33	0.00	-24.87	0.00
9.000	0.7	-8.6	32.28	0.00	24.83	0.00
9.100	0.6	6.5	27.94	0.00	21.49	0.00
9.200	0.4	4.8	23.67	0.00	18.20	0.00
9.300	0.2	3.1	19.42	0.00	14.94	0.00
9.400	0.1	1.3	14.93	0.00	11.48	0.00
9.500	-0.1	-0.4	-10.46	0.00	-8.04	0.00
9.600	-0.2	-2.2	-15.06	0.00	-11.58	0.00
9.700	-0.4	-4.0	-19.55	0.00	-15.04	0.00
9.800	-0.5	-5.7	-23.81	0.00	-18.32	0.00
9.900	-0.7	-7.4	-28.06	0.00	-21.59	0.00
10.000	-0.8	-9.1	-32.38	0.00	-24.91	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	10.4	34.28	0.00	26.37	0.00
10.100	0.9	8.7	30.41	0.00	23.39	0.00
10.200	0.7	7.0	26.13	0.00	20.10	0.00
10.300	0.5	5.3	22.18	0.00	17.06	0.00
10.400	0.4	3.6	18.09	0.00	13.92	0.00
10.500	0.2	1.9	14.21	0.00	10.93	0.00
10.600	0.0	0.1	-12.28	0.00	-9.44	0.00
10.700	-0.2	-1.7	-15.89	0.00	-12.22	0.00
10.800	-0.4	-3.4	-20.19	0.00	-15.53	0.00
10.900	-0.6	-5.2	-24.90	0.00	-19.16	0.00
11.000	-0.7	-6.9	-29.87	0.00	-22.97	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.0	124.8
1.100	172.1	-138.1	126.7
1.200	172.1	-136.2	128.6
1.300	172.1	-134.3	130.5
1.400	172.1	-132.4	132.4
1.500	172.1	-130.5	134.3
1.600	172.1	-128.4	136.3
1.700	172.1	-126.5	138.2
1.800	172.1	-124.6	140.1
1.900	172.1	-122.7	142.0
2.000	172.1	-120.8	143.9
2.000	151.3	-120.8	106.4
2.100	151.3	-124.4	108.3
2.200	151.3	-122.6	110.2
2.300	151.3	-120.7	112.0
2.400	151.3	-118.8	113.9
2.500	151.3	-116.9	115.8
2.600	151.3	-114.9	117.8
2.700	151.3	-113.1	119.7
2.800	151.3	-111.2	121.6
2.900	151.3	-109.3	123.4
3.000	151.3	-107.4	117.1
3.000	151.3	-107.4	107.1
3.100	151.3	-123.8	108.9
3.200	151.3	-121.9	110.8
3.300	151.3	-120.1	112.7
3.400	151.3	-118.2	114.6
3.500	151.3	-116.3	116.4
3.600	151.3	-114.3	118.4
3.700	151.3	-112.4	120.3
3.800	151.3	-110.5	122.2
3.900	151.3	-108.7	124.1
4.000	151.3	-106.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-106.8	106.9
4.100	151.3	-124.0	108.8
4.200	151.3	-122.1	110.6
4.300	151.3	-120.2	112.5
4.400	151.3	-118.3	114.4
4.500	151.3	-116.5	116.3
4.600	151.3	-114.5	118.3
4.700	151.3	-112.6	120.2
4.800	151.3	-110.7	122.0
4.900	151.3	-108.8	123.9
5.000	151.3	-107.0	117.1
5.000	151.3	-107.0	106.9
5.100	151.3	-123.9	108.8
5.200	151.3	-122.1	110.7
5.300	151.3	-120.2	112.6
5.400	151.3	-118.3	114.4
5.500	151.3	-116.4	116.3
5.600	151.3	-114.4	118.3
5.700	151.3	-112.5	120.2
5.800	151.3	-110.7	122.1
5.900	151.3	-108.8	124.0
6.000	151.3	-106.9	117.2
6.000	151.3	-106.9	106.9
6.100	151.3	-124.0	108.8
6.200	151.3	-122.1	110.7
6.300	151.3	-120.2	112.5
6.400	151.3	-118.3	114.4
6.500	151.3	-116.4	116.3
6.600	151.3	-114.4	118.3
6.700	151.3	-112.6	120.2
6.800	151.3	-110.7	122.1
6.900	151.3	-108.8	123.9
7.000	151.3	-106.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.9	107.0
7.100	151.3	-123.9	108.8
7.200	151.3	-122.0	110.7
7.300	151.3	-120.2	112.6
7.400	151.3	-118.3	114.5
7.500	151.3	-116.4	116.3
7.600	151.3	-114.4	118.3
7.700	151.3	-112.5	120.2
7.800	151.3	-110.6	122.1
7.900	151.3	-108.8	124.0
8.000	151.3	-106.9	117.2
8.000	151.3	-106.9	106.8
8.100	151.3	-124.1	108.7
8.200	151.3	-122.2	110.5
8.300	151.3	-120.3	112.4
8.400	151.3	-118.4	114.3
8.500	151.3	-116.6	116.2
8.600	151.3	-114.6	118.2
8.700	151.3	-112.7	120.1
8.800	151.3	-110.8	121.9
8.900	151.3	-108.9	123.8
9.000	151.3	-107.1	117.1
9.000	151.3	-107.1	107.4
9.100	151.3	-123.4	109.3
9.200	151.3	-121.6	111.2
9.300	151.3	-119.7	113.1
9.400	151.3	-117.8	114.9
9.500	151.3	-115.9	116.8
9.600	151.3	-113.9	118.8
9.700	151.3	-112.0	120.7
9.800	151.3	-110.2	122.6
9.900	151.3	-108.3	124.4
10.000	151.3	-106.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-106.4	120.8
10.100	172.1	-142.0	122.7
10.200	172.1	-140.1	124.6
10.300	172.1	-138.2	126.5
10.400	172.1	-136.3	128.4
10.500	172.1	-134.4	130.3
10.600	172.1	-132.4	132.4
10.700	172.1	-130.5	134.3
10.800	172.1	-128.6	136.2
10.900	172.1	-126.7	138.1
11.000	172.1	-124.8	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	49.69	4.18	0.00	112.8
1.100	49.02	5.09	0.00	137.3
1.200	39.65	6.37	0.00	171.9
1.300	21.47	8.21	0.00	221.7
1.400	13.05	11.22	0.00	302.9
1.500	9.18	16.31	0.00	248.0
1.600	7.10	26.58	0.00	191.7
1.700	5.71	54.90	0.00	154.1
1.800	4.77	185.62	0.00	128.8
1.900	4.04	188.14	0.00	109.0
2.000	3.52	190.66	0.00	95.2
2.000	3.52	3.27	0.00	88.4
2.100	35.36	3.86	0.00	104.2
2.200	34.83	4.63	0.00	124.9
2.300	34.29	5.73	0.00	154.7
2.400	18.78	7.57	0.00	204.3
2.500	11.33	11.07	0.00	299.0
2.600	7.70	18.15	0.00	207.9
2.700	5.82	30.49	0.00	157.2
2.800	4.70	30.97	0.00	126.8
2.900	3.91	31.33	0.00	105.6
3.000	3.33	29.72	0.00	89.9
3.000	3.33	3.31	0.00	89.4
3.100	35.36	3.89	0.00	105.0
3.200	34.82	4.67	0.00	126.2
3.300	34.28	5.78	0.00	156.2
3.400	18.29	7.64	0.00	206.2
3.500	11.19	11.20	0.00	302.2
3.600	7.62	18.32	0.00	205.9
3.700	5.77	34.54	0.00	155.9
3.800	4.66	35.08	0.00	125.9
3.900	3.88	35.48	0.00	104.8
4.000	3.30	33.51	0.00	89.2

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.30	3.31	0.00	89.2
4.100	35.42	3.88	0.00	104.9
4.200	34.88	4.67	0.00	126.0
4.300	34.35	5.78	0.00	156.0
4.400	18.31	7.63	0.00	206.0
4.500	11.20	11.19	0.00	302.0
4.600	7.63	18.30	0.00	206.1
4.700	5.78	34.34	0.00	156.1
4.800	4.67	34.87	0.00	126.1
4.900	3.89	35.28	0.00	105.0
5.000	3.31	33.36	0.00	89.3
5.000	3.31	3.31	0.00	89.3
5.100	35.41	3.89	0.00	104.9
5.200	34.87	4.67	0.00	126.0
5.300	34.33	5.78	0.00	156.0
5.400	18.31	7.63	0.00	206.1
5.500	11.20	11.19	0.00	302.1
5.600	7.63	18.31	0.00	206.0
5.700	5.78	34.34	0.00	156.0
5.800	4.67	34.88	0.00	126.0
5.900	3.89	35.28	0.00	104.9
6.000	3.31	33.35	0.00	89.3
6.000	3.31	3.31	0.00	89.3
6.100	35.41	3.89	0.00	104.9
6.200	34.88	4.67	0.00	126.0
6.300	34.34	5.78	0.00	156.0
6.400	18.31	7.63	0.00	206.0
6.500	11.20	11.19	0.00	302.1
6.600	7.63	18.31	0.00	206.1
6.700	5.78	34.33	0.00	156.0
6.800	4.67	34.87	0.00	126.0
6.900	3.89	35.28	0.00	104.9
7.000	3.31	33.35	0.00	89.3

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.31	3.31	0.00	89.3
7.100	35.41	3.89	0.00	105.0
7.200	34.88	4.67	0.00	126.1
7.300	34.34	5.78	0.00	156.1
7.400	18.30	7.63	0.00	206.1
7.500	11.20	11.19	0.00	302.2
7.600	7.63	18.31	0.00	206.0
7.700	5.78	34.35	0.00	156.0
7.800	4.67	34.88	0.00	126.0
7.900	3.88	35.29	0.00	104.9
8.000	3.31	33.35	0.00	89.3
8.000	3.31	3.30	0.00	89.2
8.100	35.61	3.88	0.00	104.8
8.200	35.08	4.66	0.00	125.9
8.300	34.54	5.77	0.00	155.9
8.400	18.32	7.62	0.00	205.9
8.500	11.21	11.18	0.00	301.9
8.600	7.64	18.29	0.00	206.2
8.700	5.78	34.28	0.00	156.2
8.800	4.67	34.82	0.00	126.2
8.900	3.89	35.23	0.00	105.0
9.000	3.31	33.33	0.00	89.4
9.000	3.31	3.33	0.00	89.4
9.100	31.44	3.91	0.00	105.6
9.200	30.97	4.70	0.00	126.8
9.300	30.49	5.82	0.00	157.2
9.400	18.15	7.70	0.00	207.9
9.500	11.09	11.32	0.00	299.4
9.600	7.57	18.78	0.00	204.3
9.700	5.73	34.29	0.00	154.7
9.800	4.63	34.83	0.00	124.9
9.900	3.86	35.23	0.00	104.2
10.000	3.29	33.18	0.00	88.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.29	3.52	0.00	88.7
10.100	188.14	4.04	0.00	109.0
10.200	185.62	4.77	0.00	128.8
10.300	54.90	5.71	0.00	154.1
10.400	26.58	7.10	0.00	191.7
10.500	16.33	9.18	0.00	247.7
10.600	10.78	13.05	0.00	291.1
10.700	8.21	21.47	0.00	221.7
10.800	6.37	39.65	0.00	171.9
10.900	5.09	49.02	0.00	137.3
11.000	4.18	999.00	0.00	112.8

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
 Rating Live Load: 4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 48.9	332.2	332.2	-332.2	-332.2	315.5	315.5	-348.9	-3
1.200 60.8	332.2	332.2	-332.2	-332.2	303.6	303.6	-360.8	-3
1.300 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.400 70.3	332.2	332.2	-332.2	-332.2	294.1	294.1	-370.3	-3
1.500 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.600 60.5	332.2	332.2	-332.2	-332.2	303.9	303.9	-360.5	-3
1.700 48.2	332.2	332.2	-332.2	-332.2	316.2	316.2	-348.2	-3
1.800 31.3	332.2	332.2	-332.2	-332.2	333.1	333.1	-331.3	-3
1.900 09.6	332.2	332.2	-332.2	-332.2	354.8	354.8	-309.6	-3
2.000 83.1	332.2	332.2	-332.2	-332.2	381.3	381.3	-283.1	-2
2.000 30.3	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
2.100 52.8	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
2.200 70.6	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
2.300 83.8	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
2.400 92.3	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
2.500 96.0	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
2.600 94.8	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
2.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
2.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
2.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2

6.000	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
40.2								
6.000	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
40.2								
6.100	279.4	279.4	-279.4	-279.4	297.3	297.3	-261.5	-2
61.5								
6.200	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
78.1								
6.300	279.4	279.4	-279.4	-279.4	268.8	268.8	-290.0	-2
90.0								
6.400	279.4	279.4	-279.4	-279.4	261.6	261.6	-297.2	-2
97.2								
6.500	279.4	279.4	-279.4	-279.4	259.0	259.0	-299.8	-2
99.8								
6.600	279.4	279.4	-279.4	-279.4	261.5	261.5	-297.3	-2
97.3								
6.700	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
90.1								
6.800	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
6.900	279.4	279.4	-279.4	-279.4	297.1	297.1	-261.7	-2
61.7								
7.000	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2
40.5								

9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
9.200	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
9.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
88.9								
9.400	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
94.8								
9.500	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
96.0								
9.600	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
92.3								
9.700	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
83.8								
9.800	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
70.6								
9.900	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
52.8								
10.000	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
30.3								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.07	49.35	5.07	49.35	0.00	136.8
1.200	3.01	25.52	3.01	25.52	0.00	81.2
1.300	2.35	17.35	2.35	17.35	0.00	63.5
1.400	2.14	13.10	2.14	13.10	0.00	57.7
1.500	2.21	10.41	2.21	10.41	0.00	59.8
1.600	2.54	8.50	2.54	8.50	0.00	68.5
1.700	3.39	7.04	3.39	7.04	0.00	91.4
1.800	6.29	5.86	6.29	5.86	0.00	158.2
1.900	21.12	4.87	21.12	4.87	0.00	131.4
2.000	20.13	3.14	20.13	3.14	0.00	84.8
2.000	17.34	2.55	17.34	2.55	0.00	69.0
2.100	30.71	3.73	30.71	3.73	0.00	100.6
2.200	6.12	4.67	6.12	4.67	0.00	126.0
2.300	3.39	5.90	3.39	5.90	0.00	91.4
2.400	2.65	7.63	2.65	7.63	0.00	71.5
2.500	2.52	10.41	2.52	10.41	0.00	68.0
2.600	2.61	8.66	2.61	8.66	0.00	70.5
2.700	3.29	6.74	3.29	6.74	0.00	89.0
2.800	5.84	5.38	5.84	5.38	0.00	145.3
2.900	18.50	4.34	18.50	4.34	0.00	117.3
3.000	15.17	2.92	15.17	2.92	0.00	78.8
3.000	15.17	2.92	15.17	2.92	0.00	78.8
3.100	16.39	4.38	16.39	4.38	0.00	118.3
3.200	5.81	5.44	5.81	5.44	0.00	147.0
3.300	3.26	6.83	3.26	6.83	0.00	88.0
3.400	2.57	8.79	2.57	8.79	0.00	69.4
3.500	2.46	11.86	2.46	11.86	0.00	66.5
3.600	2.58	8.73	2.58	8.73	0.00	69.5
3.700	3.27	6.76	3.27	6.76	0.00	88.4
3.800	5.85	5.38	5.85	5.38	0.00	145.2
3.900	18.63	4.32	18.63	4.32	0.00	116.6
4.000	17.20	2.88	17.20	2.88	0.00	77.8

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	17.20	2.88	17.20	2.88	0.00	77.8
4.100	18.74	4.32	18.74	4.32	0.00	116.5
4.200	5.86	5.37	5.86	5.37	0.00	145.0
4.300	3.28	6.75	3.28	6.75	0.00	88.6
4.400	2.58	8.70	2.58	8.70	0.00	69.8
4.500	2.47	11.81	2.47	11.81	0.00	66.8
4.600	2.58	8.70	2.58	8.70	0.00	69.7
4.700	3.28	6.76	3.28	6.76	0.00	88.5
4.800	5.85	5.38	5.85	5.38	0.00	145.2
4.900	18.60	4.33	18.60	4.33	0.00	116.8
5.000	17.15	2.89	17.15	2.89	0.00	78.1
5.000	17.15	2.89	17.15	2.89	0.00	78.1
5.100	18.60	4.33	18.60	4.33	0.00	116.8
5.200	5.84	5.38	5.84	5.38	0.00	145.3
5.300	3.27	6.76	3.27	6.76	0.00	88.4
5.400	2.58	8.71	2.58	8.71	0.00	69.7
5.500	2.47	11.82	2.47	11.82	0.00	66.7
5.600	2.58	8.71	2.58	8.71	0.00	69.7
5.700	3.28	6.76	3.28	6.76	0.00	88.4
5.800	5.85	5.38	5.85	5.38	0.00	145.2
5.900	18.61	4.32	18.61	4.32	0.00	116.7
6.000	17.17	2.89	17.17	2.89	0.00	78.0
6.000	17.17	2.89	17.17	2.89	0.00	78.0
6.100	18.61	4.32	18.61	4.32	0.00	116.7
6.200	5.85	5.38	5.85	5.38	0.00	145.2
6.300	3.28	6.76	3.28	6.76	0.00	88.4
6.400	2.58	8.71	2.58	8.71	0.00	69.7
6.500	2.47	11.82	2.47	11.82	0.00	66.7
6.600	2.58	8.71	2.58	8.71	0.00	69.7
6.700	3.27	6.76	3.27	6.76	0.00	88.4
6.800	5.84	5.38	5.84	5.38	0.00	145.3
6.900	18.60	4.33	18.60	4.33	0.00	116.8
7.000	17.15	2.89	17.15	2.89	0.00	78.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	17.15	2.89	17.15	2.89	0.00	78.1
7.100	18.60	4.33	18.60	4.33	0.00	116.8
7.200	5.85	5.38	5.85	5.38	0.00	145.2
7.300	3.28	6.76	3.28	6.76	0.00	88.5
7.400	2.58	8.70	2.58	8.70	0.00	69.7
7.500	2.47	11.81	2.47	11.81	0.00	66.8
7.600	2.58	8.70	2.58	8.70	0.00	69.8
7.700	3.28	6.75	3.28	6.75	0.00	88.6
7.800	5.86	5.37	5.86	5.37	0.00	145.0
7.900	18.74	4.32	18.74	4.32	0.00	116.5
8.000	17.20	2.88	17.20	2.88	0.00	77.8
8.000	17.20	2.88	17.20	2.88	0.00	77.8
8.100	18.63	4.32	18.63	4.32	0.00	116.6
8.200	5.85	5.38	5.85	5.38	0.00	145.2
8.300	3.27	6.76	3.27	6.76	0.00	88.4
8.400	2.58	8.73	2.58	8.73	0.00	69.5
8.500	2.46	11.86	2.46	11.86	0.00	66.5
8.600	2.57	8.79	2.57	8.79	0.00	69.4
8.700	3.26	6.83	3.26	6.83	0.00	88.0
8.800	5.81	5.44	5.81	5.44	0.00	147.0
8.900	16.39	4.38	16.39	4.38	0.00	118.3
9.000	15.17	2.92	15.17	2.92	0.00	78.8
9.000	15.17	2.92	15.17	2.92	0.00	78.8
9.100	18.50	4.34	18.50	4.34	0.00	117.3
9.200	5.84	5.38	5.84	5.38	0.00	145.3
9.300	3.29	6.74	3.29	6.74	0.00	89.0
9.400	2.61	8.66	2.61	8.66	0.00	70.5
9.500	2.52	10.41	2.52	10.41	0.00	68.0
9.600	2.65	7.63	2.65	7.63	0.00	71.5
9.700	3.39	5.90	3.39	5.90	0.00	91.4
9.800	6.12	4.67	6.12	4.67	0.00	126.0
9.900	30.71	3.73	30.71	3.73	0.00	100.6
10.000	17.34	2.55	17.34	2.55	0.00	69.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	17.34	2.55	17.34	2.55	0.00	69.0
10.100	21.12	4.87	21.12	4.87	0.00	131.4
10.200	6.29	5.86	6.29	5.86	0.00	158.2
10.300	3.39	7.04	3.39	7.04	0.00	91.4
10.400	2.54	8.50	2.54	8.50	0.00	68.5
10.500	2.21	10.41	2.21	10.41	0.00	59.8
10.600	2.14	13.10	2.14	13.10	0.00	57.7
10.700	2.35	17.35	2.35	17.35	0.00	63.5
10.800	3.01	25.52	3.01	25.52	0.00	81.2
10.900	5.07	49.35	5.07	49.35	0.00	136.8
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	15.0	59.15 R	0.00
1.200	2.8	25.8	97.55 R	0.00
1.300	3.5	32.2	116.99 R	0.00
1.400	3.7	34.4	122.83 R	0.00
1.500	3.5	32.2	120.06 R	0.00
1.600	2.8	25.4	109.76 L	0.00
1.700	1.7	14.4	90.21 R	0.00
1.800	0.1	-1.0	65.17 R	0.00
1.900	-2.0	-20.7	-57.88 L	0.00
2.000	-4.5	-44.7	-81.93 L	0.00
2.000	-4.5	-44.7	-81.93 L	0.00
2.100	-2.6	-24.0	-61.22 L	0.00
2.200	-1.0	-7.7	51.66 R	0.00
2.300	0.1	4.3	74.35 R	0.00
2.400	0.8	12.0	90.18 R	0.00
2.500	1.2	15.5	95.34 R	0.00
2.600	1.1	14.3	93.21 L	0.00
2.700	0.7	8.8	80.46 R	0.00
2.800	-0.1	-1.0	60.55 R	0.00
2.900	-1.3	-15.1	-52.04 R	0.00
3.000	-2.9	-33.5	-66.15 L	0.00
3.000	-2.9	-33.5	-66.15 L	0.00
3.100	-1.2	-14.3	-51.81 L	0.00
3.200	0.1	0.6	61.42 L	0.00
3.300	1.0	11.2	81.15 L	0.00
3.400	1.6	17.5	93.48 R	0.00
3.500	1.7	19.5	96.04 L	0.00
3.600	1.5	16.9	93.44 L	0.00
3.700	0.9	10.0	80.56 R	0.00
3.800	-0.1	-1.2	60.54 R	0.00
3.900	-1.5	-16.7	-52.05 R	0.00
4.000	-3.3	-36.5	-66.29 R	0.00
4.000	-3.3	-36.5	-66.29 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-36.5	-66.29 R	0.00
4.100	-1.6	-16.9	-52.03 L	0.00
4.200	-0.2	-1.6	60.50 L	0.00
4.300	0.8	9.4	80.54 L	0.00
4.400	1.4	16.1	93.45 R	0.00
4.500	1.6	18.5	95.71 R	0.00
4.600	1.4	16.2	93.46 L	0.00
4.700	0.8	9.7	80.57 R	0.00
4.800	-0.1	-1.1	60.54 R	0.00
4.900	-1.5	-16.3	-52.05 R	0.00
5.000	-3.2	-35.7	-66.23 R	0.00
5.000	-3.2	-35.7	-66.23 R	0.00
5.100	-1.5	-16.2	-52.05 L	0.00
5.200	-0.1	-1.0	60.54 L	0.00
5.300	0.9	9.9	80.57 L	0.00
5.400	1.4	16.4	93.46 R	0.00
5.500	1.6	18.7	95.71 R	0.00
5.600	1.4	16.4	93.46 L	0.00
5.700	0.8	9.7	80.57 R	0.00
5.800	-0.1	-1.2	60.54 R	0.00
5.900	-1.5	-16.4	-52.05 R	0.00
6.000	-3.3	-36.0	-66.23 R	0.00
6.000	-3.3	-36.0	-66.23 R	0.00
6.100	-1.5	-16.4	-52.05 L	0.00
6.200	-0.1	-1.2	60.54 L	0.00
6.300	0.8	9.7	80.57 L	0.00
6.400	1.4	16.4	93.46 R	0.00
6.500	1.6	18.7	95.71 L	0.00
6.600	1.4	16.4	93.46 L	0.00
6.700	0.9	9.9	80.57 R	0.00
6.800	-0.1	-1.0	60.54 R	0.00
6.900	-1.5	-16.2	-52.05 R	0.00
7.000	-3.2	-35.7	-66.23 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-35.7	-66.23 L	0.00
7.100	-1.5	-16.3	-52.05 L	0.00
7.200	-0.1	-1.1	60.54 L	0.00
7.300	0.8	9.7	80.57 L	0.00
7.400	1.4	16.2	93.46 R	0.00
7.500	1.6	18.5	95.71 L	0.00
7.600	1.4	16.1	93.45 L	0.00
7.700	0.8	9.4	80.54 R	0.00
7.800	-0.2	-1.6	60.50 R	0.00
7.900	-1.6	-16.9	-52.03 R	0.00
8.000	-3.3	-36.5	-66.29 L	0.00
8.000	-3.3	-36.5	-66.29 L	0.00
8.100	-1.5	-16.7	-52.05 L	0.00
8.200	-0.1	-1.2	60.54 L	0.00
8.300	0.9	10.0	80.56 L	0.00
8.400	1.5	16.9	93.44 R	0.00
8.500	1.7	19.5	96.04 R	0.00
8.600	1.6	17.5	93.48 L	0.00
8.700	1.0	11.2	81.15 R	0.00
8.800	0.1	0.6	61.41 R	0.00
8.900	-1.2	-14.3	-51.81 R	0.00
9.000	-2.9	-33.5	-66.15 R	0.00
9.000	-2.9	-33.5	-66.15 R	0.00
9.100	-1.3	-15.1	-52.04 L	0.00
9.200	-0.1	-1.0	60.55 L	0.00
9.300	0.7	8.8	80.46 L	0.00
9.400	1.1	14.3	93.21 R	0.00
9.500	1.2	15.5	95.34 L	0.00
9.600	0.8	12.0	90.18 L	0.00
9.700	0.1	4.3	74.35 L	0.00
9.800	-1.0	-7.7	51.66 L	0.00
9.900	-2.6	-24.0	-61.22 R	0.00
10.000	-4.5	-44.7	-81.93 R	0.00
9.000	-2.9	-33.5	-66.15 R	0.00
9.100	-1.3	-15.1	-52.04 L	0.00
9.200	-0.1	-1.0	60.55 L	0.00
9.300	0.7	8.8	80.46 L	0.00
9.400	1.1	14.3	93.21 R	0.00
9.500	1.2	15.5	95.34 L	0.00
9.600	0.8	12.0	90.18 L	0.00
9.700	0.1	4.3	74.35 L	0.00
9.800	-1.0	-7.7	51.66 L	0.00
9.900	-2.6	-24.0	-61.22 R	0.00
10.000	-4.5	-44.7	-81.93 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-44.7	-81.93 R	0.00	-63.02	0.00
10.100	-2.0	-20.7	-57.88 R	0.00	-44.52	0.00
10.200	0.1	-1.0	65.17 L	0.00	50.13	0.00
10.300	1.7	14.4	90.21 L	0.00	69.39	0.00
10.400	2.8	25.4	109.76 R	0.00	84.43	0.00
10.500	3.5	32.2	120.06 L	0.00	92.36	0.00
10.600	3.7	34.4	122.83 L	0.00	94.48	0.00
10.700	3.5	32.2	116.99 L	0.00	89.99	0.00
10.800	2.8	25.8	97.55 L	0.00	75.04	0.00
10.900	1.6	15.0	59.15 L	0.00	45.50	0.00
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	343.0	302.8	-336.1	-376.
1.200	359.7C	319.4	-319.4	-359.7C	331.1	290.9	-348.0	-388.
1.300	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.400	359.7C	319.4	-319.4	-359.7C	321.6	281.3	-357.5	-397.
1.500	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
1.600	359.7C	319.4	-319.4	-359.7C	331.4	291.2	-347.7	-387.
1.700	359.7C	319.4	-319.4	-359.7C	343.6	303.4	-335.5	-375.
1.800	359.7C	319.4	-319.4	-359.7C	360.6	320.3	-318.5	-358.
1.900	359.7C	319.4	-319.4	-359.7C	382.3	342.1	-296.8	-337.
2.000	359.7C	319.4	-319.4	-359.7C	408.8	368.6	-270.3	-310.
2.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.
2.100	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
2.200	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
2.300	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
2.400	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
2.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
2.600	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
2.700	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
2.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
2.900	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.

2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	3.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
1	3.100	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.
3	3.200	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
9	3.300	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
7	3.400	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	3.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
1	3.600	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5	3.700	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
3	3.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
4	3.900	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
8	4.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.

4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
4	6.000	300.6C	268.7	-268.7	-300.6C	339.9	307.9	-229.4	-261.
7	6.100	300.6C	268.7	-268.7	-300.6C	318.6	286.6	-250.7	-282.
3	6.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
5	6.400	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
0	6.500	300.6C	268.7	-268.7	-300.6C	280.3	248.3	-289.0	-321.
5	6.600	300.6C	268.7	-268.7	-300.6C	282.8	250.8	-286.5	-318.
3	6.700	300.6C	268.7	-268.7	-300.6C	289.9	257.9	-279.4	-311.
5	6.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
9	6.900	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-282.
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
7	7.000	300.6C	268.7	-268.7	-300.6C	339.6	307.6	-229.7	-261.
9	7.100	300.6C	268.7	-268.7	-300.6C	318.4	286.4	-250.9	-282.
4	7.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	7.300	300.6C	268.7	-268.7	-300.6C	290.1	258.1	-279.2	-311.
3	7.400	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
7	7.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
1	7.600	300.6C	268.7	-268.7	-300.6C	283.2	251.2	-286.1	-318.
8	7.700	300.6C	268.7	-268.7	-300.6C	290.5	258.5	-278.8	-310.
8	7.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
1	7.900	300.6C	268.7	-268.7	-300.6C	319.1	287.1	-250.2	-282.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
8	8.000	300.6C	268.7	-268.7	-300.6C	340.5	308.5	-228.8	-260.
4	8.100	300.6C	268.7	-268.7	-300.6C	318.9	286.9	-250.4	-282.
3	8.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
5	8.300	300.6C	268.7	-268.7	-300.6C	289.7	257.8	-279.5	-311.
1	8.400	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
9	8.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
7	8.600	300.6C	268.7	-268.7	-300.6C	281.5	249.5	-287.8	-319.
9	8.700	300.6C	268.7	-268.7	-300.6C	288.4	256.4	-280.9	-312.
3	8.800	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
1	8.900	300.6C	268.7	-268.7	-300.6C	316.2	284.2	-253.1	-285.

2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	9.100	300.6C	268.7	-268.7	-300.6C	317.1	285.1	-252.2	-284.
5	9.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
1	9.300	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
0	9.400	300.6C	268.7	-268.7	-300.6C	285.2	253.3	-284.1	-316.
3	9.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	9.600	300.6C	268.7	-268.7	-300.6C	287.8	255.8	-281.5	-313.
0	9.700	300.6C	268.7	-268.7	-300.6C	296.2	264.3	-273.1	-305.
9	9.800	300.6C	268.7	-268.7	-300.6C	309.4	277.4	-259.9	-291.
0	9.900	300.6C	268.7	-268.7	-300.6C	327.2	295.2	-242.1	-274.
5	10.000	300.6C	268.7	-268.7	-300.6C	349.8	317.8	-219.5	-251.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
10.000	359.7C	268.7	-268.7	-359.7C	408.8	317.8	-219.5	-310.
10.100	359.7C	319.4	-319.4	-359.7C	382.3	342.1	-296.8	-337.
10.200	359.7C	319.4	-319.4	-359.7C	360.6	320.3	-318.5	-358.
10.300	359.7C	319.4	-319.4	-359.7C	343.6	303.4	-335.5	-375.
10.400	359.7C	319.4	-319.4	-359.7C	331.4	291.2	-347.7	-387.
10.500	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
10.600	359.7C	319.4	-319.4	-359.7C	321.6	281.3	-357.5	-397.
10.700	359.7C	319.4	-319.4	-359.7C	324.0	283.7	-355.1	-395.
10.800	359.7C	319.4	-319.4	-359.7C	331.1	290.9	-348.0	-388.
10.900	359.7C	319.4	-319.4	-359.7C	343.0	302.8	-336.1	-376.
11.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	5.80	54.50	5.12	61.03	0.00
1.200	3.39	28.22	2.98	31.48	0.00
1.300	2.77	19.20	2.42	21.37	0.00
1.400	2.62	14.49	2.29	16.13	0.00
1.500	2.70	11.52	2.36	12.82	0.00
1.600	3.02	9.40	2.65	10.49	0.00
1.700	3.81	7.77	3.36	8.70	0.00
1.800	5.53	6.46	4.92	7.27	0.00
1.900	11.68	5.13	10.45	5.82	0.00
2.000	28.23	3.30	25.45	3.79	0.00
2.000	24.15	2.68	21.94	3.07	0.00
2.100	13.67	3.95	12.34	4.48	0.00
2.200	5.99	5.21	5.37	5.85	0.00
2.300	3.98	6.16	3.55	6.88	0.00
2.400	3.19	6.96	2.84	7.75	0.00
2.500	2.98	7.45	2.64	8.29	0.00
2.600	3.06	7.48	2.72	8.32	0.00
2.700	3.62	6.87	3.22	7.66	0.00
2.800	4.98	5.97	4.46	6.68	0.00
2.900	10.10	4.85	9.08	5.46	0.00
3.000	19.68	3.51	17.82	3.99	0.00
3.000	19.68	3.51	17.82	3.99	0.00
3.100	9.69	4.89	8.70	5.50	0.00
3.200	4.88	6.04	4.36	6.76	0.00
3.300	3.55	6.97	3.16	7.77	0.00
3.400	3.01	7.66	2.67	8.51	0.00
3.500	2.91	7.96	2.58	8.84	0.00
3.600	3.02	7.62	2.68	8.48	0.00
3.700	3.60	6.91	3.20	7.70	0.00
3.800	4.99	5.97	4.46	6.68	0.00
3.900	10.17	4.81	9.15	5.43	0.00
4.000	23.99	3.45	21.74	3.93	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	23.99	3.45	21.74	3.93	0.00	138.1
4.100	10.20	4.81	9.18	5.42	0.00	192.3
4.200	5.00	5.96	4.47	6.67	0.00	178.8
4.300	3.61	6.89	3.21	7.69	0.00	128.4
4.400	3.03	7.59	2.69	8.44	0.00	107.5
4.500	2.93	7.92	2.60	8.80	0.00	103.9
4.600	3.03	7.60	2.69	8.45	0.00	107.4
4.700	3.60	6.90	3.20	7.69	0.00	128.2
4.800	4.99	5.97	4.46	6.68	0.00	178.3
4.900	10.16	4.82	9.14	5.43	0.00	192.8
5.000	23.93	3.47	21.67	3.95	0.00	138.7
5.100	10.16	4.82	9.14	5.44	0.00	192.9
5.200	4.99	5.97	4.46	6.68	0.00	178.3
5.300	3.60	6.91	3.20	7.70	0.00	128.1
5.400	3.03	7.60	2.68	8.45	0.00	107.3
5.500	2.93	7.93	2.59	8.80	0.00	103.8
5.600	3.03	7.60	2.68	8.45	0.00	107.4
5.700	3.60	6.90	3.20	7.70	0.00	128.1
5.800	4.99	5.97	4.46	6.68	0.00	178.4
5.900	10.16	4.82	9.15	5.43	0.00	192.7
6.000	23.95	3.46	21.70	3.95	0.00	138.6
6.100	10.16	4.82	9.14	5.43	0.00	192.7
6.200	4.99	5.97	4.46	6.68	0.00	178.4
6.300	3.60	6.90	3.20	7.69	0.00	128.1
6.400	3.03	7.60	2.68	8.45	0.00	107.4
6.500	2.93	7.93	2.59	8.80	0.00	103.8
6.600	3.03	7.60	2.68	8.45	0.00	107.3
6.700	3.60	6.91	3.20	7.70	0.00	128.1
6.800	4.99	5.97	4.46	6.68	0.00	178.3
6.900	10.16	4.82	9.14	5.44	0.00	192.9
7.000	23.84	3.47	21.59	3.95	0.00	138.7

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
7.000	23.84	3.47	21.59	3.95	0.00
7.100	10.16	4.82	9.14	5.43	0.00
7.200	4.99	5.97	4.46	6.68	0.00
7.300	3.60	6.90	3.20	7.69	0.00
7.400	3.03	7.60	2.69	8.45	0.00
7.500	2.93	7.92	2.60	8.80	0.00
7.600	3.03	7.59	2.69	8.44	0.00
7.700	3.61	6.89	3.21	7.69	0.00
7.800	5.00	5.96	4.47	6.67	0.00
7.900	10.20	4.81	9.18	5.42	0.00
8.000	23.99	3.45	21.74	3.93	0.00
8.000	23.99	3.45	21.74	3.93	0.00
8.100	10.17	4.81	9.15	5.43	0.00
8.200	4.99	5.97	4.46	6.68	0.00
8.300	3.60	6.91	3.20	7.70	0.00
8.400	3.02	7.62	2.68	8.48	0.00
8.500	2.91	7.96	2.58	8.84	0.00
8.600	3.01	7.66	2.67	8.51	0.00
8.700	3.55	6.97	3.16	7.77	0.00
8.800	4.88	6.04	4.36	6.76	0.00
8.900	9.69	4.89	8.70	5.50	0.00
9.000	19.68	3.51	17.82	3.99	0.00
9.000	19.68	3.51	17.82	3.99	0.00
9.100	10.09	4.85	9.08	5.46	0.00
9.200	4.98	5.97	4.46	6.68	0.00
9.300	3.62	6.87	3.22	7.66	0.00
9.400	3.06	7.48	2.72	8.32	0.00
9.500	2.98	7.45	2.64	8.29	0.00
9.600	3.19	6.96	2.84	7.75	0.00
9.700	3.98	6.16	3.55	6.88	0.00
9.800	5.99	5.21	5.37	5.85	0.00
9.900	13.67	3.95	12.34	4.48	0.00
10.000	24.15	2.68	21.94	3.07	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating		Factor	bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend		+bend	-bend		
10.000	28.23	2.68		21.94	3.79	0.00	107.2
10.100	11.68	5.13		10.45	5.82	0.00	205.1
10.200	5.53	6.46		4.92	7.27	0.00	196.6
10.300	3.81	7.77		3.36	8.70	0.00	134.5
10.400	3.02	9.40		2.65	10.49	0.00	106.1
10.500	2.70	11.52		2.36	12.82	0.00	94.5
10.600	2.62	14.49		2.29	16.13	0.00	91.6
10.700	2.77	19.20		2.42	21.37	0.00	97.0
10.800	3.39	28.22		2.98	31.48	0.00	119.3
10.900	5.80	54.50		5.12	61.03	0.00	204.7
11.000	999.00	999.00		999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.9	27.99	0.00	21.53	0.00
1.100	0.6	5.2	23.66	0.00	18.20	0.00
1.200	0.4	3.4	19.51	0.00	15.01	0.00
1.300	0.2	1.7	15.60	0.00	12.00	0.00
1.400	0.0	-0.1	-12.27	0.00	-9.44	0.00
1.500	-0.2	-1.8	-14.97	0.00	-11.52	0.00
1.600	-0.4	-3.6	-17.52	0.00	-13.48	0.00
1.700	-0.5	-5.3	-20.67	0.00	-15.90	0.00
1.800	-0.7	-7.0	-24.15	0.00	-18.58	0.00
1.900	-0.9	-8.7	-27.42	0.00	-21.09	0.00
2.000	-1.1	-10.4	-30.41	0.00	-23.39	0.00
2.000	0.8	-10.4	29.85	0.00	22.96	0.00
2.100	0.7	7.4	26.19	0.00	20.15	0.00
2.200	0.5	5.7	22.39	0.00	17.22	0.00
2.300	0.4	4.0	18.72	0.00	14.40	0.00
2.400	0.2	2.2	15.88	0.00	12.22	0.00
2.500	0.1	0.5	12.98	0.00	9.99	0.00
2.600	-0.1	-1.3	-14.92	0.00	-11.48	0.00
2.700	-0.2	-3.1	-18.31	0.00	-14.09	0.00
2.800	-0.4	-4.8	-21.87	0.00	-16.82	0.00
2.900	-0.6	-6.5	-25.45	0.00	-19.58	0.00
3.000	-0.7	-8.2	-28.86	0.00	-22.20	0.00
3.000	0.8	8.6	28.84	0.00	22.18	0.00
3.100	0.6	6.8	25.47	0.00	19.59	0.00
3.200	0.5	5.1	21.92	0.00	16.86	0.00
3.300	0.3	3.4	18.36	0.00	14.13	0.00
3.400	0.1	1.7	14.97	0.00	11.51	0.00
3.500	0.0	-0.1	-12.22	0.00	-9.40	0.00
3.600	-0.2	-1.9	-14.97	0.00	-11.51	0.00
3.700	-0.3	-3.6	-18.36	0.00	-14.12	0.00
3.800	-0.5	-5.3	-21.92	0.00	-16.86	0.00
3.900	-0.6	-7.1	-25.49	0.00	-19.61	0.00
4.000	-0.8	-8.8	-28.89	0.00	-22.22	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-8.8	28.90	0.00	22.23	0.00
4.100	0.6	7.0	25.50	0.00	19.61	0.00
4.200	0.5	5.3	21.92	0.00	16.86	0.00
4.300	0.3	3.5	18.36	0.00	14.13	0.00
4.400	0.2	1.8	14.97	0.00	11.52	0.00
4.500	0.0	0.1	12.22	0.00	9.40	0.00
4.600	-0.2	-1.8	-14.97	0.00	-11.52	0.00
4.700	-0.3	-3.5	-18.36	0.00	-14.13	0.00
4.800	-0.5	-5.2	-21.92	0.00	-16.86	0.00
4.900	-0.6	-6.9	-25.49	0.00	-19.61	0.00
5.000	-0.8	-8.6	-28.89	0.00	-22.23	0.00
5.000	0.8	8.6	28.89	0.00	22.23	0.00
5.100	0.6	6.9	25.49	0.00	19.61	0.00
5.200	0.5	5.2	21.92	0.00	16.86	0.00
5.300	0.3	3.5	18.36	0.00	14.13	0.00
5.400	0.2	1.8	14.97	0.00	11.52	0.00
5.500	0.0	0.1	12.22	0.00	9.40	0.00
5.600	-0.2	-1.8	-14.97	0.00	-11.52	0.00
5.700	-0.3	-3.5	-18.36	0.00	-14.13	0.00
5.800	-0.5	-5.2	-21.92	0.00	-16.86	0.00
5.900	-0.6	-7.0	-25.49	0.00	-19.61	0.00
6.000	-0.8	-8.7	-28.89	0.00	-22.23	0.00
6.000	0.8	8.7	28.89	0.00	22.23	0.00
6.100	0.6	7.0	25.49	0.00	19.61	0.00
6.200	0.5	5.2	21.92	0.00	16.86	0.00
6.300	0.3	3.5	18.36	0.00	14.13	0.00
6.400	0.2	1.8	14.97	0.00	11.52	0.00
6.500	0.0	0.1	12.22	0.00	9.40	0.00
6.600	-0.2	-1.8	-14.97	0.00	-11.52	0.00
6.700	-0.3	-3.5	-18.36	0.00	-14.13	0.00
6.800	-0.5	-5.2	-21.92	0.00	-16.86	0.00
6.900	-0.6	-6.9	-25.49	0.00	-19.61	0.00
7.000	-0.8	-8.6	-28.89	0.00	-22.23	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-8.6	28.89	0.00	22.23	0.00
7.100	0.6	6.9	25.49	0.00	19.61	0.00
7.200	0.5	5.2	21.92	0.00	16.86	0.00
7.300	0.3	3.5	18.36	0.00	14.13	0.00
7.400	0.2	1.8	14.97	0.00	11.52	0.00
7.500	0.0	0.1	12.22	0.00	9.40	0.00
7.600	-0.2	-1.8	-14.97	0.00	-11.52	0.00
7.700	-0.3	-3.5	-18.36	0.00	-14.13	0.00
7.800	-0.5	-5.3	-21.92	0.00	-16.86	0.00
7.900	-0.6	-7.0	-25.50	0.00	-19.61	0.00
8.000	-0.8	-8.7	-28.90	0.00	-22.23	0.00
8.000	0.8	8.8	28.89	0.00	22.22	0.00
8.100	0.6	7.1	25.49	0.00	19.61	0.00
8.200	0.5	5.3	21.92	0.00	16.86	0.00
8.300	0.3	3.6	18.36	0.00	14.12	0.00
8.400	0.2	1.9	14.97	0.00	11.51	0.00
8.500	0.0	0.2	12.22	0.00	9.40	0.00
8.600	-0.1	-1.7	-14.97	0.00	-11.51	0.00
8.700	-0.3	-3.4	-18.36	0.00	-14.13	0.00
8.800	-0.5	-5.1	-21.92	0.00	-16.86	0.00
8.900	-0.6	-6.8	-25.47	0.00	-19.59	0.00
9.000	-0.8	-8.6	-28.84	0.00	-22.18	0.00
9.000	0.7	-8.6	28.86	0.00	22.20	0.00
9.100	0.6	6.5	25.45	0.00	19.58	0.00
9.200	0.4	4.8	21.87	0.00	16.82	0.00
9.300	0.2	3.1	18.31	0.00	14.09	0.00
9.400	0.1	1.3	14.92	0.00	11.48	0.00
9.500	-0.1	-0.4	-12.98	0.00	-9.99	0.00
9.600	-0.2	-2.2	-15.45	0.00	-11.88	0.00
9.700	-0.4	-4.0	-18.72	0.00	-14.40	0.00
9.800	-0.5	-5.7	-22.39	0.00	-17.22	0.00
9.900	-0.7	-7.4	-26.19	0.00	-20.15	0.00
10.000	-0.8	-9.1	-29.69	0.00	-22.84	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	10.4	30.41	0.00	23.39	0.00
10.100	0.9	8.7	27.42	0.00	21.09	0.00
10.200	0.7	7.0	24.15	0.00	18.58	0.00
10.300	0.5	5.3	20.67	0.00	15.90	0.00
10.400	0.4	3.6	17.52	0.00	13.48	0.00
10.500	0.2	1.9	14.97	0.00	11.52	0.00
10.600	0.0	0.1	12.27	0.00	9.44	0.00
10.700	-0.2	-1.7	-15.60	0.00	-12.00	0.00
10.800	-0.4	-3.4	-19.51	0.00	-15.01	0.00
10.900	-0.6	-5.2	-23.66	0.00	-18.20	0.00
11.000	-0.7	-6.9	-27.99	0.00	-21.53	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-140.0	124.8
1.100	172.1	-138.1	126.7
1.200	172.1	-136.2	128.6
1.300	172.1	-134.3	130.5
1.400	172.1	-132.4	132.4
1.500	172.1	-130.5	134.3
1.600	172.1	-128.4	136.3
1.700	172.1	-126.5	138.2
1.800	172.1	-124.6	140.1
1.900	172.1	-122.7	142.0
2.000	172.1	-120.8	143.9
2.000	151.3	-120.8	106.4
2.100	151.3	-124.4	108.3
2.200	151.3	-122.6	110.2
2.300	151.3	-120.7	112.0
2.400	151.3	-118.8	113.9
2.500	151.3	-116.9	115.8
2.600	151.3	-114.9	117.8
2.700	151.3	-113.1	119.7
2.800	151.3	-111.2	121.6
2.900	151.3	-109.3	123.4
3.000	151.3	-107.4	117.1
3.000	151.3	-107.4	107.1
3.100	151.3	-123.8	108.9
3.200	151.3	-121.9	110.8
3.300	151.3	-120.1	112.7
3.400	151.3	-118.2	114.6
3.500	151.3	-116.3	116.4
3.600	151.3	-114.3	118.4
3.700	151.3	-112.4	120.3
3.800	151.3	-110.5	122.2
3.900	151.3	-108.7	124.1
4.000	151.3	-106.8	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-106.8	106.9
4.100	151.3	-124.0	108.8
4.200	151.3	-122.1	110.6
4.300	151.3	-120.2	112.5
4.400	151.3	-118.3	114.4
4.500	151.3	-116.5	116.3
4.600	151.3	-114.5	118.3
4.700	151.3	-112.6	120.2
4.800	151.3	-110.7	122.0
4.900	151.3	-108.8	123.9
5.000	151.3	-107.0	117.1
5.000	151.3	-107.0	106.9
5.100	151.3	-123.9	108.8
5.200	151.3	-122.1	110.7
5.300	151.3	-120.2	112.6
5.400	151.3	-118.3	114.4
5.500	151.3	-116.4	116.3
5.600	151.3	-114.4	118.3
5.700	151.3	-112.5	120.2
5.800	151.3	-110.7	122.1
5.900	151.3	-108.8	124.0
6.000	151.3	-106.9	117.2
6.000	151.3	-106.9	106.9
6.100	151.3	-124.0	108.8
6.200	151.3	-122.1	110.7
6.300	151.3	-120.2	112.5
6.400	151.3	-118.3	114.4
6.500	151.3	-116.4	116.3
6.600	151.3	-114.4	118.3
6.700	151.3	-112.6	120.2
6.800	151.3	-110.7	122.1
6.900	151.3	-108.8	123.9
7.000	151.3	-106.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.9	107.0
7.100	151.3	-123.9	108.8
7.200	151.3	-122.0	110.7
7.300	151.3	-120.2	112.6
7.400	151.3	-118.3	114.5
7.500	151.3	-116.4	116.3
7.600	151.3	-114.4	118.3
7.700	151.3	-112.5	120.2
7.800	151.3	-110.6	122.1
7.900	151.3	-108.8	124.0
8.000	151.3	-106.9	117.2
8.000	151.3	-106.9	106.8
8.100	151.3	-124.1	108.7
8.200	151.3	-122.2	110.5
8.300	151.3	-120.3	112.4
8.400	151.3	-118.4	114.3
8.500	151.3	-116.6	116.2
8.600	151.3	-114.6	118.2
8.700	151.3	-112.7	120.1
8.800	151.3	-110.8	121.9
8.900	151.3	-108.9	123.8
9.000	151.3	-107.1	117.1
9.000	151.3	-107.1	107.4
9.100	151.3	-123.4	109.3
9.200	151.3	-121.6	111.2
9.300	151.3	-119.7	113.1
9.400	151.3	-117.8	114.9
9.500	151.3	-115.9	116.8
9.600	151.3	-113.9	118.8
9.700	151.3	-112.0	120.7
9.800	151.3	-110.2	122.6
9.900	151.3	-108.3	124.4
10.000	151.3	-106.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-106.4	120.8
10.100	172.1	-142.0	122.7
10.200	172.1	-140.1	124.6
10.300	172.1	-138.2	126.5
10.400	172.1	-136.3	128.4
10.500	172.1	-134.4	130.3
10.600	172.1	-132.4	132.4
10.700	172.1	-130.5	134.3
10.800	172.1	-128.6	136.2
10.900	172.1	-126.7	138.1
11.000	172.1	-124.8	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	60.91	4.46	0.00	178.3
1.100	33.63	5.35	0.00	214.1
1.200	21.55	6.59	0.00	263.6
1.300	14.29	8.36	0.00	334.6
1.400	10.79	10.89	0.00	431.4
1.500	8.71	14.40	0.00	348.5
1.600	7.33	19.54	0.00	293.2
1.700	6.12	28.92	0.00	244.8
1.800	5.16	50.01	0.00	206.4
1.900	4.48	127.80	0.00	179.0
2.000	3.97	248.43	0.00	158.9
2.000	3.97	3.57	0.00	142.6
2.100	35.35	4.14	0.00	165.4
2.200	23.24	4.92	0.00	196.8
2.300	16.48	5.99	0.00	239.4
2.400	12.33	7.17	0.00	286.9
2.500	9.61	8.92	0.00	356.8
2.600	7.70	11.21	0.00	308.2
2.700	6.18	14.74	0.00	247.0
2.800	5.08	20.70	0.00	203.3
2.900	4.30	31.69	0.00	171.8
3.000	3.72	36.12	0.00	148.9
3.000	3.72	3.71	0.00	148.5
3.100	35.15	4.28	0.00	171.1
3.200	23.05	5.06	0.00	202.3
3.300	16.32	6.14	0.00	245.5
3.400	12.20	7.65	0.00	306.1
3.500	9.52	9.56	0.00	380.8
3.600	7.64	12.26	0.00	305.5
3.700	6.12	16.39	0.00	244.9
3.800	5.04	23.16	0.00	201.7
3.900	4.26	35.37	0.00	170.5
4.000	3.70	46.65	0.00	147.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.70	3.70	0.00	147.8
4.100	35.21	4.27	0.00	170.6
4.200	23.08	5.05	0.00	201.9
4.300	16.34	6.13	0.00	245.1
4.400	12.22	7.64	0.00	305.7
4.500	9.53	9.51	0.00	380.5
4.600	7.65	12.21	0.00	305.8
4.700	6.13	16.33	0.00	245.3
4.800	5.05	23.07	0.00	202.0
4.900	4.27	35.20	0.00	170.8
5.000	3.70	43.45	0.00	148.1
5.000	3.70	3.70	0.00	148.0
5.100	35.19	4.27	0.00	170.7
5.200	23.07	5.05	0.00	202.0
5.300	16.33	6.13	0.00	245.2
5.400	12.21	7.64	0.00	305.8
5.500	9.53	9.52	0.00	380.7
5.600	7.64	12.21	0.00	305.7
5.700	6.13	16.33	0.00	245.1
5.800	5.05	23.08	0.00	201.9
5.900	4.27	35.20	0.00	170.7
6.000	3.70	43.61	0.00	148.0
6.000	3.70	3.70	0.00	148.0
6.100	35.20	4.27	0.00	170.7
6.200	23.08	5.05	0.00	201.9
6.300	16.33	6.13	0.00	245.1
6.400	12.21	7.64	0.00	305.7
6.500	9.53	9.52	0.00	380.6
6.600	7.64	12.21	0.00	305.8
6.700	6.13	16.33	0.00	245.2
6.800	5.05	23.07	0.00	202.0
6.900	4.27	35.19	0.00	170.7
7.000	3.70	43.61	0.00	148.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.70	3.70	0.00	148.0
7.100	35.20	4.27	0.00	170.8
7.200	23.07	5.05	0.00	202.0
7.300	16.33	6.13	0.00	245.3
7.400	12.21	7.65	0.00	305.9
7.500	9.52	9.52	0.00	380.8
7.600	7.64	12.22	0.00	305.6
7.700	6.13	16.34	0.00	245.1
7.800	5.05	23.08	0.00	201.9
7.900	4.27	35.21	0.00	170.6
8.000	3.70	43.61	0.00	148.0
8.000	3.70	3.70	0.00	147.9
8.100	35.37	4.26	0.00	170.5
8.200	23.16	5.04	0.00	201.7
8.300	16.39	6.12	0.00	244.9
8.400	12.26	7.64	0.00	305.5
8.500	9.57	9.51	0.00	380.3
8.600	7.65	12.20	0.00	306.1
8.700	6.14	16.32	0.00	245.5
8.800	5.06	23.05	0.00	202.3
8.900	4.28	35.15	0.00	171.1
9.000	3.71	43.59	0.00	148.5
9.000	3.71	3.72	0.00	148.5
9.100	31.69	4.30	0.00	171.8
9.200	20.70	5.08	0.00	203.3
9.300	14.74	6.18	0.00	247.0
9.400	11.21	7.70	0.00	308.2
9.500	8.93	9.60	0.00	357.2
9.600	7.37	12.33	0.00	295.0
9.700	5.99	16.48	0.00	239.4
9.800	4.92	23.24	0.00	196.8
9.900	4.14	35.35	0.00	165.4
10.000	3.59	43.40	0.00	143.4

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.59	3.97	0.00	143.4
10.100	127.80	4.48	0.00	179.0
10.200	50.01	5.16	0.00	206.4
10.300	28.92	6.12	0.00	244.8
10.400	19.54	7.33	0.00	293.2
10.500	14.41	8.70	0.00	348.2
10.600	10.89	10.79	0.00	431.4
10.700	8.36	14.29	0.00	334.6
10.800	6.59	21.55	0.00	263.6
10.900	5.35	33.63	0.00	214.1
11.000	4.46	999.00	0.00	178.3

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
 Rating Live Load: 5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 48.9	332.2	332.2	-332.2	-332.2	315.5	315.5	-348.9	-3
1.200 60.8	332.2	332.2	-332.2	-332.2	303.6	303.6	-360.8	-3
1.300 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.400 70.3	332.2	332.2	-332.2	-332.2	294.1	294.1	-370.3	-3
1.500 67.9	332.2	332.2	-332.2	-332.2	296.5	296.5	-367.9	-3
1.600 60.5	332.2	332.2	-332.2	-332.2	303.9	303.9	-360.5	-3
1.700 48.2	332.2	332.2	-332.2	-332.2	316.2	316.2	-348.2	-3
1.800 31.3	332.2	332.2	-332.2	-332.2	333.1	333.1	-331.3	-3
1.900 09.6	332.2	332.2	-332.2	-332.2	354.8	354.8	-309.6	-3
2.000 83.1	332.2	332.2	-332.2	-332.2	381.3	381.3	-283.1	-2
2.000 30.3	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
2.100 52.8	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
2.200 70.6	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
2.300 83.8	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
2.400 92.3	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
2.500 96.0	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
2.600 94.8	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
2.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
2.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
2.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2

3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
3.100	279.4	279.4	-279.4	-279.4	294.9	294.9	-263.9	-2
63.9								
3.200	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
80.1								
3.300	279.4	279.4	-279.4	-279.4	267.1	267.1	-291.7	-2
91.7								
3.400	279.4	279.4	-279.4	-279.4	260.3	260.3	-298.5	-2
98.5								
3.500	279.4	279.4	-279.4	-279.4	258.1	258.1	-300.7	-3
00.7								
3.600	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
3.700	279.4	279.4	-279.4	-279.4	268.5	268.5	-290.3	-2
90.3								
3.800	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
78.1								
3.900	279.4	279.4	-279.4	-279.4	297.6	297.6	-261.2	-2
61.2								
4.000	279.4	279.4	-279.4	-279.4	319.3	319.3	-239.5	-2
39.5								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity		Capacity		Available Capacity for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
4.000 39.5	279.4	279.4	-279.4	-279.4	319.3	319.3	-239.5	-2
4.100 60.9	279.4	279.4	-279.4	-279.4	297.9	297.9	-260.9	-2
4.200 77.6	279.4	279.4	-279.4	-279.4	281.2	281.2	-277.6	-2
4.300 89.6	279.4	279.4	-279.4	-279.4	269.2	269.2	-289.6	-2
4.400 96.8	279.4	279.4	-279.4	-279.4	262.0	262.0	-296.8	-2
4.500 99.4	279.4	279.4	-279.4	-279.4	259.4	259.4	-299.4	-2
4.600 97.0	279.4	279.4	-279.4	-279.4	261.8	261.8	-297.0	-2
4.700 89.9	279.4	279.4	-279.4	-279.4	268.9	268.9	-289.9	-2
4.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
4.900 61.6	279.4	279.4	-279.4	-279.4	297.2	297.2	-261.6	-2
5.000 40.5	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2
5.000 40.5	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2
5.100 61.7	279.4	279.4	-279.4	-279.4	297.1	297.1	-261.7	-2
5.200 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
5.300 90.1	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
5.400 97.3	279.4	279.4	-279.4	-279.4	261.5	261.5	-297.3	-2
5.500 99.8	279.4	279.4	-279.4	-279.4	259.0	259.0	-299.8	-2
5.600 97.2	279.4	279.4	-279.4	-279.4	261.6	261.6	-297.2	-2
5.700 90.0	279.4	279.4	-279.4	-279.4	268.8	268.8	-290.0	-2
5.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
5.900 61.5	279.4	279.4	-279.4	-279.4	297.3	297.3	-261.5	-2

6.000 40.2	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
6.000 40.2	279.4	279.4	-279.4	-279.4	318.6	318.6	-240.2	-2
6.100 61.5	279.4	279.4	-279.4	-279.4	297.3	297.3	-261.5	-2
6.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
6.300 90.0	279.4	279.4	-279.4	-279.4	268.8	268.8	-290.0	-2
6.400 97.2	279.4	279.4	-279.4	-279.4	261.6	261.6	-297.2	-2
6.500 99.8	279.4	279.4	-279.4	-279.4	259.0	259.0	-299.8	-2
6.600 97.3	279.4	279.4	-279.4	-279.4	261.5	261.5	-297.3	-2
6.700 90.1	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
6.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
6.900 61.7	279.4	279.4	-279.4	-279.4	297.1	297.1	-261.7	-2
7.000 40.5	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2

9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
9.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
9.200	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
9.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
88.9								
9.400	279.4	279.4	-279.4	-279.4	264.0	264.0	-294.8	-2
94.8								
9.500	279.4	279.4	-279.4	-279.4	262.8	262.8	-296.0	-2
96.0								
9.600	279.4	279.4	-279.4	-279.4	266.5	266.5	-292.3	-2
92.3								
9.700	279.4	279.4	-279.4	-279.4	275.0	275.0	-283.8	-2
83.8								
9.800	279.4	279.4	-279.4	-279.4	288.2	288.2	-270.6	-2
70.6								
9.900	279.4	279.4	-279.4	-279.4	306.0	306.0	-252.8	-2
52.8								
10.000	279.4	279.4	-279.4	-279.4	328.5	328.5	-230.3	-2
30.3								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.33	56.58	5.33	56.58	0.00	213.4
1.200	3.11	29.25	3.11	29.25	0.00	124.5
1.300	2.53	19.89	2.53	19.89	0.00	101.4
1.400	2.39	15.01	2.39	15.01	0.00	95.8
1.500	2.47	11.93	2.47	11.93	0.00	98.8
1.600	2.77	9.74	2.77	9.74	0.00	110.8
1.700	3.51	8.07	3.51	8.07	0.00	140.2
1.800	5.11	6.72	5.11	6.72	0.00	204.5
1.900	10.84	5.35	10.84	5.35	0.00	213.9
2.000	26.33	3.45	26.33	3.45	0.00	138.2
2.000	22.68	2.81	22.68	2.81	0.00	112.4
2.100	12.78	4.13	12.78	4.13	0.00	165.2
2.200	5.58	5.43	5.58	5.43	0.00	217.0
2.300	3.70	6.40	3.70	6.40	0.00	148.0
2.400	2.96	7.23	2.96	7.23	0.00	118.2
2.500	2.76	7.73	2.76	7.73	0.00	110.2
2.600	2.83	7.76	2.83	7.76	0.00	113.3
2.700	3.36	7.13	3.36	7.13	0.00	134.2
2.800	4.63	6.21	4.63	6.21	0.00	185.3
2.900	9.42	5.05	9.42	5.05	0.00	202.1
3.000	18.44	3.67	18.44	3.67	0.00	146.9
3.000	18.44	3.67	18.44	3.67	0.00	146.9
3.100	9.03	5.09	9.03	5.09	0.00	203.7
3.200	4.54	6.28	4.54	6.28	0.00	181.5
3.300	3.29	7.24	3.29	7.24	0.00	131.7
3.400	2.78	7.95	2.78	7.95	0.00	111.4
3.500	2.69	8.26	2.69	8.26	0.00	107.5
3.600	2.79	7.91	2.79	7.91	0.00	111.7
3.700	3.33	7.18	3.33	7.18	0.00	133.3
3.800	4.64	6.20	4.64	6.20	0.00	185.5
3.900	9.50	5.02	9.50	5.02	0.00	200.7
4.000	22.49	3.61	22.49	3.61	0.00	144.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	22.49	3.61	22.49	3.61	0.00	144.6
4.100	9.52	5.01	9.52	5.01	0.00	200.6
4.200	4.65	6.20	4.65	6.20	0.00	185.9
4.300	3.34	7.16	3.34	7.16	0.00	133.7
4.400	2.80	7.88	2.80	7.88	0.00	112.1
4.500	2.71	8.21	2.71	8.21	0.00	108.4
4.600	2.80	7.88	2.80	7.88	0.00	112.0
4.700	3.34	7.17	3.34	7.17	0.00	133.5
4.800	4.64	6.21	4.64	6.21	0.00	185.4
4.900	9.48	5.03	9.48	5.03	0.00	201.1
5.000	22.43	3.63	22.43	3.63	0.00	145.2
5.000	22.43	3.63	22.43	3.63	0.00	145.2
5.100	9.48	5.03	9.48	5.03	0.00	201.1
5.200	4.63	6.21	4.63	6.21	0.00	185.4
5.300	3.34	7.17	3.34	7.17	0.00	133.4
5.400	2.80	7.89	2.80	7.89	0.00	111.9
5.500	2.71	8.22	2.71	8.22	0.00	108.3
5.600	2.80	7.89	2.80	7.89	0.00	112.0
5.700	3.34	7.17	3.34	7.17	0.00	133.5
5.800	4.64	6.20	4.64	6.20	0.00	185.5
5.900	9.49	5.02	9.49	5.02	0.00	200.9
6.000	22.45	3.63	22.45	3.63	0.00	145.1
6.000	22.45	3.63	22.45	3.63	0.00	145.1
6.100	9.49	5.02	9.49	5.02	0.00	200.9
6.200	4.64	6.20	4.64	6.20	0.00	185.5
6.300	3.34	7.17	3.34	7.17	0.00	133.5
6.400	2.80	7.89	2.80	7.89	0.00	112.0
6.500	2.71	8.22	2.71	8.22	0.00	108.3
6.600	2.80	7.89	2.80	7.89	0.00	111.9
6.700	3.34	7.17	3.34	7.17	0.00	133.4
6.800	4.63	6.21	4.63	6.21	0.00	185.4
6.900	9.48	5.03	9.48	5.03	0.00	201.1
7.000	22.35	3.63	22.35	3.63	0.00	145.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	22.35	3.63	22.35	3.63	0.00	145.2
7.100	9.48	5.03	9.48	5.03	0.00	201.1
7.200	4.64	6.21	4.64	6.21	0.00	185.4
7.300	3.34	7.17	3.34	7.17	0.00	133.5
7.400	2.80	7.88	2.80	7.88	0.00	112.0
7.500	2.71	8.21	2.71	8.21	0.00	108.4
7.600	2.80	7.88	2.80	7.88	0.00	112.1
7.700	3.34	7.16	3.34	7.16	0.00	133.7
7.800	4.65	6.20	4.65	6.20	0.00	185.9
7.900	9.52	5.01	9.52	5.01	0.00	200.6
8.000	22.49	3.61	22.49	3.61	0.00	144.6
8.000	22.49	3.61	22.49	3.61	0.00	144.6
8.100	9.50	5.02	9.50	5.02	0.00	200.7
8.200	4.64	6.20	4.64	6.20	0.00	185.5
8.300	3.33	7.18	3.33	7.18	0.00	133.3
8.400	2.79	7.91	2.79	7.91	0.00	111.7
8.500	2.69	8.26	2.69	8.26	0.00	107.5
8.600	2.78	7.95	2.78	7.95	0.00	111.4
8.700	3.29	7.24	3.29	7.24	0.00	131.7
8.800	4.54	6.28	4.54	6.28	0.00	181.5
8.900	9.03	5.09	9.03	5.09	0.00	203.7
9.000	18.44	3.67	18.44	3.67	0.00	146.9
9.000	18.44	3.67	18.44	3.67	0.00	146.9
9.100	9.42	5.05	9.42	5.05	0.00	202.1
9.200	4.63	6.21	4.63	6.21	0.00	185.3
9.300	3.36	7.13	3.36	7.13	0.00	134.2
9.400	2.83	7.76	2.83	7.76	0.00	113.3
9.500	2.76	7.73	2.76	7.73	0.00	110.2
9.600	2.96	7.23	2.96	7.23	0.00	118.2
9.700	3.70	6.40	3.70	6.40	0.00	148.0
9.800	5.58	5.42	5.58	5.42	0.00	216.9
9.900	12.78	4.13	12.78	4.13	0.00	165.2
10.000	22.68	2.81	22.68	2.81	0.00	112.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	22.68	2.81	22.68	2.81	0.00	112.4
10.100	10.84	5.35	10.84	5.35	0.00	213.9
10.200	5.11	6.72	5.11	6.72	0.00	204.5
10.300	3.51	8.07	3.51	8.07	0.00	140.2
10.400	2.77	9.74	2.77	9.74	0.00	110.8
10.500	2.47	11.93	2.47	11.93	0.00	98.8
10.600	2.39	15.01	2.39	15.01	0.00	95.8
10.700	2.53	19.89	2.53	19.89	0.00	101.4
10.800	3.11	29.25	3.11	29.25	0.00	124.5
10.900	5.33	56.57	5.33	56.57	0.00	213.4
11.000	999.00	999.00	999.00	999.00	0.00	999.0

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction SS
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 10

Live Load Distribution Factor 1.272

Second Live Load Dist. Factor 1.272

Comments:

Member I. D.	S04					Symmetry:
Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5	
	25.000	25.000	25.000	25.000	25.000	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	25.000	25.000	25.000	25.000	25.000	

Range Length -- Non-Composite:							
Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	25.000	1	0		0.0	0.0
2	1	25.000	2	0		0.0	0.0
3	1	25.000	2	0		0.0	0.0
4	1	25.000	2	0		0.0	0.0
5	1	25.000	2	0		0.0	0.0
6	1	25.000	2	0		0.0	0.0
7	1	25.000	2	0		0.0	0.0
8	1	25.000	2	0		0.0	0.0
9	1	25.000	2	0		0.0	0.0
10	1	25.000	1	0		0.0	0.0

Superimposed Dead Load:						
Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	0.000	615.0	615.0	25.000	0.0
1	P	12.500	0.0	0.0	0.000	0.1
2	W	0.000	615.0	615.0	25.000	0.0
2	P	12.500	0.0	0.0	0.000	0.1
3	W	0.000	615.0	615.0	25.000	0.0
3	P	12.500	0.0	0.0	0.000	0.1
4	W	0.000	615.0	615.0	25.000	0.0
4	P	12.500	0.0	0.0	0.000	0.1
5	W	0.000	615.0	615.0	25.000	0.0
5	P	12.500	0.0	0.0	0.000	0.1
6	W	0.000	615.0	615.0	25.000	0.0
6	P	12.500	0.0	0.0	0.000	0.1
7	W	0.000	615.0	615.0	25.000	0.0
7	P	12.500	0.0	0.0	0.000	0.1
8	W	0.000	615.0	615.0	25.000	0.0
8	P	12.500	0.0	0.0	0.000	0.1

9	W	0.000	615.0	615.0	25.000	0.0
9	P	12.500	0.0	0.0	0.000	0.1
10	W	0.000	615.0	615.0	25.000	0.0
10	P	12.500	0.0	0.0	0.000	0.1

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D. S04						
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
1.000	21.24	19.76	0.46	0.0	0.0	33.
1.100	21.24	19.76	0.46	0.0	0.0	33.
1.200	21.24	19.76	0.46	0.0	0.0	33.
1.300	21.24	19.76	0.46	0.0	0.0	33.
1.400	21.24	19.76	0.46	0.0	0.0	33.
1.500	21.24	19.76	0.46	0.0	0.0	33.
1.600	21.24	19.76	0.46	0.0	0.0	33.
1.700	21.24	19.76	0.46	0.0	0.0	33.
1.800	21.24	19.76	0.46	0.0	0.0	33.
1.900	21.24	19.76	0.46	0.0	0.0	33.
2.000	21.24	19.76	0.46	0.0	0.0	33.
2.000	20.99	19.76	0.40	0.0	0.0	33.
2.100	20.99	19.76	0.40	0.0	0.0	33.
2.200	20.99	19.76	0.40	0.0	0.0	33.
2.300	20.99	19.76	0.40	0.0	0.0	33.
2.400	20.99	19.76	0.40	0.0	0.0	33.
2.500	20.99	19.76	0.40	0.0	0.0	33.
2.600	20.99	19.76	0.40	0.0	0.0	33.
2.700	20.99	19.76	0.40	0.0	0.0	33.
2.800	20.99	19.76	0.40	0.0	0.0	33.
2.900	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.000	20.99	19.76	0.40	0.0	0.0	33.
3.100	20.99	19.76	0.40	0.0	0.0	33.
3.200	20.99	19.76	0.40	0.0	0.0	33.
3.300	20.99	19.76	0.40	0.0	0.0	33.
3.400	20.99	19.76	0.40	0.0	0.0	33.
3.500	20.99	19.76	0.40	0.0	0.0	33.
3.600	20.99	19.76	0.40	0.0	0.0	33.
3.700	20.99	19.76	0.40	0.0	0.0	33.
3.800	20.99	19.76	0.40	0.0	0.0	33.
3.900	20.99	19.76	0.40	0.0	0.0	33.
4.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D. S04						
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
4.000	20.99	19.76	0.40	0.0	0.0	33.
4.100	20.99	19.76	0.40	0.0	0.0	33.
4.200	20.99	19.76	0.40	0.0	0.0	33.
4.300	20.99	19.76	0.40	0.0	0.0	33.
4.400	20.99	19.76	0.40	0.0	0.0	33.
4.500	20.99	19.76	0.40	0.0	0.0	33.
4.600	20.99	19.76	0.40	0.0	0.0	33.
4.700	20.99	19.76	0.40	0.0	0.0	33.
4.800	20.99	19.76	0.40	0.0	0.0	33.
4.900	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.000	20.99	19.76	0.40	0.0	0.0	33.
5.100	20.99	19.76	0.40	0.0	0.0	33.
5.200	20.99	19.76	0.40	0.0	0.0	33.
5.300	20.99	19.76	0.40	0.0	0.0	33.
5.400	20.99	19.76	0.40	0.0	0.0	33.
5.500	20.99	19.76	0.40	0.0	0.0	33.
5.600	20.99	19.76	0.40	0.0	0.0	33.
5.700	20.99	19.76	0.40	0.0	0.0	33.
5.800	20.99	19.76	0.40	0.0	0.0	33.
5.900	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.000	20.99	19.76	0.40	0.0	0.0	33.
6.100	20.99	19.76	0.40	0.0	0.0	33.
6.200	20.99	19.76	0.40	0.0	0.0	33.
6.300	20.99	19.76	0.40	0.0	0.0	33.
6.400	20.99	19.76	0.40	0.0	0.0	33.
6.500	20.99	19.76	0.40	0.0	0.0	33.
6.600	20.99	19.76	0.40	0.0	0.0	33.
6.700	20.99	19.76	0.40	0.0	0.0	33.
6.800	20.99	19.76	0.40	0.0	0.0	33.
6.900	20.99	19.76	0.40	0.0	0.0	33.
7.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S04

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
7.000	20.99	19.76	0.40	0.0	0.0	33.
7.100	20.99	19.76	0.40	0.0	0.0	33.
7.200	20.99	19.76	0.40	0.0	0.0	33.
7.300	20.99	19.76	0.40	0.0	0.0	33.
7.400	20.99	19.76	0.40	0.0	0.0	33.
7.500	20.99	19.76	0.40	0.0	0.0	33.
7.600	20.99	19.76	0.40	0.0	0.0	33.
7.700	20.99	19.76	0.40	0.0	0.0	33.
7.800	20.99	19.76	0.40	0.0	0.0	33.
7.900	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.000	20.99	19.76	0.40	0.0	0.0	33.
8.100	20.99	19.76	0.40	0.0	0.0	33.
8.200	20.99	19.76	0.40	0.0	0.0	33.
8.300	20.99	19.76	0.40	0.0	0.0	33.
8.400	20.99	19.76	0.40	0.0	0.0	33.
8.500	20.99	19.76	0.40	0.0	0.0	33.
8.600	20.99	19.76	0.40	0.0	0.0	33.
8.700	20.99	19.76	0.40	0.0	0.0	33.
8.800	20.99	19.76	0.40	0.0	0.0	33.
8.900	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.000	20.99	19.76	0.40	0.0	0.0	33.
9.100	20.99	19.76	0.40	0.0	0.0	33.
9.200	20.99	19.76	0.40	0.0	0.0	33.
9.300	20.99	19.76	0.40	0.0	0.0	33.
9.400	20.99	19.76	0.40	0.0	0.0	33.
9.500	20.99	19.76	0.40	0.0	0.0	33.
9.600	20.99	19.76	0.40	0.0	0.0	33.
9.700	20.99	19.76	0.40	0.0	0.0	33.
9.800	20.99	19.76	0.40	0.0	0.0	33.
9.900	20.99	19.76	0.40	0.0	0.0	33.
10.000	20.99	19.76	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S04

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
10.000	21.24	19.76	0.46	0.0	0.0	33.
10.100	21.24	19.76	0.46	0.0	0.0	33.
10.200	21.24	19.76	0.46	0.0	0.0	33.
10.300	21.24	19.76	0.46	0.0	0.0	33.
10.400	21.24	19.76	0.46	0.0	0.0	33.
10.500	21.24	19.76	0.46	0.0	0.0	33.
10.600	21.24	19.76	0.46	0.0	0.0	33.
10.700	21.24	19.76	0.46	0.0	0.0	33.
10.800	21.24	19.76	0.46	0.0	0.0	33.
10.900	21.24	19.76	0.46	0.0	0.0	33.
11.000	21.24	19.76	0.46	0.0	0.0	33.

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S04

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
1.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
1.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
2.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
3.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S04

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
4.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
4.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
5.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
6.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S04

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
					Top	Bott.	Top	Bott.	Top	Bott.
7.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
7.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
8.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
9.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
10.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S04

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend Top	Bott.
10.000	21.50	21.50	10.60	10.60	1600.0	1600.0	127.0	127.0	127.0	127.0
10.100	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.200	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.300	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.400	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.500	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.600	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.700	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.800	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
10.900	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0
11.000	21.50	21.50	10.60	10.60	1600.0	1600.0	151.0	151.0	151.0	151.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	74.46 L	46.51	57.28	35.77
1.200	2.8	23.1	121.14 L	79.47	93.18	61.13
1.300	3.5	28.9	142.83 L	101.42	109.87	78.01
1.400	3.7	30.8	143.13 L	110.70	110.10	85.15
1.500	3.5	28.9	134.99 L	110.27	103.84	84.83
1.600	2.8	22.8	128.16 L	98.93	98.59	76.10
1.700	1.7	12.9	110.76 L	80.07	85.20	61.59
1.800	0.1	-0.9	71.18 L	52.92	54.76	40.70
1.900	-2.0	-18.5	-69.02 L	-64.36	-53.10	-49.51
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.100	-2.6	-21.5	-75.60 R	-65.20	-58.15	-50.15
2.200	-1.0	-6.9	65.10 R	45.48	50.07	34.99
2.300	0.1	3.9	95.41 R	68.82	73.39	52.94
2.400	0.8	10.8	107.38 R	83.25	82.60	64.04
2.500	1.2	13.9	105.00 L	89.43	80.77	68.79
2.600	1.1	12.8	107.17 L	84.82	82.44	65.25
2.700	0.7	7.8	95.90 L	71.92	73.77	55.32
2.800	-0.1	-0.9	66.18 L	50.41	50.90	38.78
2.900	-1.3	-13.5	-65.66 L	-59.35	-50.51	-45.66
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.100	-1.2	-12.8	-65.31 R	-58.86	-50.24	-45.28
3.200	0.1	0.5	66.06 R	50.05	50.82	38.50
3.300	1.0	10.0	96.18 R	72.77	73.98	55.97
3.400	1.6	15.7	107.91 R	86.39	83.01	66.46
3.500	1.7	17.5	105.35 R	91.75	81.04	70.58
3.600	1.5	15.2	107.95 L	86.32	83.04	66.40
3.700	0.9	9.0	96.23 L	72.61	74.03	55.85
3.800	-0.1	-1.1	66.14 L	50.36	50.88	38.74
3.900	-1.5	-15.0	-65.64 L	-60.21	-50.49	-46.31
4.000	-3.3	-32.7	-109.67 L	-100.89	-84.36	-77.60

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-32.7	-109.67	L -100.89	-84.36	-77.60
4.100	-1.6	-15.2	-65.61	R -60.27	-50.47	-46.36
4.200	-0.2	-1.5	66.13	R 49.52	50.87	38.09
4.300	0.8	8.4	96.23	R 72.33	74.03	55.64
4.400	1.4	14.4	107.95	R 86.05	83.04	66.19
4.500	1.6	16.5	105.37	R 91.50	81.05	70.38
4.600	1.4	14.5	107.95	L 86.15	83.04	66.27
4.700	0.8	8.7	96.24	L 72.53	74.03	55.79
4.800	-0.1	-1.0	66.14	L 50.38	50.88	38.76
4.900	-1.5	-14.6	-65.63	L -60.10	-50.49	-46.23
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.100	-1.5	-14.5	-65.63	R -60.09	-50.49	-46.22
5.200	-0.1	-0.9	66.14	R 49.83	50.88	38.33
5.300	0.9	8.8	96.24	R 72.59	74.03	55.84
5.400	1.4	14.7	107.95	R 86.25	83.04	66.34
5.500	1.6	16.8	105.37	L 91.64	81.05	70.49
5.600	1.4	14.7	107.95	L 86.23	83.04	66.33
5.700	0.8	8.7	96.24	L 72.56	74.03	55.82
5.800	-0.1	-1.1	66.14	L 50.36	50.88	38.74
5.900	-1.5	-14.7	-65.63	L -60.17	-50.49	-46.28
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.100	-1.5	-14.7	-65.63	R -60.20	-50.49	-46.30
6.200	-0.1	-1.1	66.14	R 49.79	50.88	38.30
6.300	0.8	8.7	96.24	R 72.56	74.03	55.82
6.400	1.4	14.7	107.96	R 86.23	83.04	66.33
6.500	1.6	16.8	105.37	L 91.64	81.05	70.49
6.600	1.4	14.7	107.95	L 86.25	83.04	66.34
6.700	0.9	8.8	96.24	L 72.59	74.03	55.84
6.800	-0.1	-0.9	66.14	L 50.40	50.88	38.77
6.900	-1.5	-14.5	-65.63	L -60.06	-50.49	-46.20
7.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-32.0	-109.68 L	-100.68	-84.37	-77.45
7.100	-1.5	-14.6	-65.63 R	-60.13	-50.49	-46.25
7.200	-0.1	-1.0	66.14 R	49.81	50.88	38.32
7.300	0.8	8.7	96.24 R	72.53	74.03	55.79
7.400	1.4	14.5	107.96 R	86.15	83.04	66.27
7.500	1.6	16.5	105.37 L	91.50	81.05	70.38
7.600	1.4	14.4	107.95 L	86.05	83.04	66.19
7.700	0.8	8.4	96.23 L	72.33	74.03	55.64
7.800	-0.2	-1.5	66.13 L	50.09	50.87	38.53
7.900	-1.6	-15.2	-65.61 L	-60.24	-50.47	-46.34
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.100	-1.5	-15.0	-65.64 R	-60.23	-50.49	-46.33
8.200	-0.1	-1.1	66.14 R	49.79	50.88	38.30
8.300	0.9	9.0	96.23 R	72.61	74.03	55.85
8.400	1.5	15.2	107.95 R	86.32	83.04	66.40
8.500	1.7	17.5	105.35 L	91.75	81.04	70.58
8.600	1.6	15.7	107.91 L	86.39	83.01	66.46
8.700	1.0	10.0	96.18 L	72.77	73.98	55.97
8.800	0.1	0.5	66.06 L	50.62	50.82	38.94
8.900	-1.2	-12.8	-65.31 L	-58.83	-50.24	-45.25
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.100	-1.3	-13.5	-65.66 R	-59.38	-50.51	-45.68
9.200	-0.1	-0.9	66.18 R	49.84	50.90	38.34
9.300	0.7	7.8	95.90 R	71.92	73.77	55.32
9.400	1.1	12.8	107.17 R	84.82	82.44	65.25
9.500	1.2	13.9	105.00 R	89.43	80.77	68.79
9.600	0.8	10.8	107.38 L	83.25	82.60	64.04
9.700	0.1	3.9	95.41 L	68.82	73.39	52.94
9.800	-1.0	-6.9	65.10 L	46.06	50.07	35.43
9.900	-2.6	-21.5	-75.60 L	-65.17	-58.15	-50.13
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05
10.100	-2.0	-18.5	-69.02 R	-64.38	-53.10	-49.53
10.200	0.1	-0.9	71.18 R	52.92	54.76	40.70
10.300	1.7	12.9	110.76 R	80.07	85.20	61.59
10.400	2.8	22.8	128.16 R	98.93	98.59	76.10
10.500	3.5	28.9	134.99 R	110.27	103.84	84.83
10.600	3.7	30.8	143.13 R	110.70	110.10	85.15
10.700	3.5	28.9	142.83 R	101.42	109.87	78.01
10.800	2.8	23.1	121.14 R	79.47	93.18	61.13
10.900	1.6	13.5	74.46 R	46.51	57.28	35.77
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

INV.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 8	1.000	215.8C	191.7	-191.7	-215.8C	215.8	191.7	-191.7	-215.
9	1.100	215.8C	191.7	-191.7	-215.8C	206.8	182.6	-200.7	-224.
3	1.200	215.8C	191.7	-191.7	-215.8C	200.3	176.1	-207.2	-231.
2	1.300	215.8C	191.7	-191.7	-215.8C	196.4	172.3	-211.0	-235.
5	1.400	215.8C	191.7	-191.7	-215.8C	195.1	171.0	-212.3	-236.
2	1.500	215.8C	191.7	-191.7	-215.8C	196.4	172.2	-211.1	-235.
2	1.600	215.8C	191.7	-191.7	-215.8C	200.5	176.3	-207.0	-231.
5	1.700	215.8C	191.7	-191.7	-215.8C	207.1	182.9	-200.4	-224.
3	1.800	215.8C	191.7	-191.7	-215.8C	216.3	192.1	-191.2	-215.
5	1.900	215.8C	191.7	-191.7	-215.8C	228.1	203.9	-179.4	-203.
1	2.000	215.8C	191.7	-191.7	-215.8C	242.5	218.3	-165.0	-189.
7	2.000	180.4C	161.2	-161.2	-180.4C	207.0	187.9	-134.5	-153.
9	2.100	180.4C	161.2	-161.2	-180.4C	194.8	175.6	-146.7	-165.
6	2.200	180.4C	161.2	-161.2	-180.4C	185.2	166.0	-156.4	-175.
7	2.300	180.4C	161.2	-161.2	-180.4C	178.0	158.8	-163.6	-182.
3	2.400	180.4C	161.2	-161.2	-180.4C	173.4	154.2	-168.2	-187.
4	2.500	180.4C	161.2	-161.2	-180.4C	171.4	152.2	-170.2	-189.
7	2.600	180.4C	161.2	-161.2	-180.4C	172.0	152.8	-169.5	-188.
5	2.700	180.4C	161.2	-161.2	-180.4C	175.3	156.1	-166.3	-185.
8	2.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
5	2.900	180.4C	161.2	-161.2	-180.4C	189.3	170.1	-152.3	-171.

6	3.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
6	3.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
0	3.100	180.4C	161.2	-161.2	-180.4C	188.8	169.6	-152.8	-172.
8	3.200	180.4C	161.2	-161.2	-180.4C	180.0	160.8	-161.6	-180.
0	3.300	180.4C	161.2	-161.2	-180.4C	173.7	154.5	-167.8	-187.
8	3.400	180.4C	161.2	-161.2	-180.4C	170.0	150.8	-171.6	-190.
9	3.500	180.4C	161.2	-161.2	-180.4C	168.8	149.6	-172.7	-191.
4	3.600	180.4C	161.2	-161.2	-180.4C	170.4	151.2	-171.2	-190.
3	3.700	180.4C	161.2	-161.2	-180.4C	174.5	155.3	-167.1	-186.
7	3.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
5	3.900	180.4C	161.2	-161.2	-180.4C	190.3	171.1	-151.3	-170.
8	4.000	180.4C	161.2	-161.2	-180.4C	202.0	182.8	-139.6	-158.

1	6.000	180.4C	161.2	-161.2	-180.4C	201.7	182.5	-139.9	-159.
1	6.000	180.4C	161.2	-161.2	-180.4C	201.7	182.5	-139.9	-159.
7	6.100	180.4C	161.2	-161.2	-180.4C	190.1	170.9	-151.5	-170.
7	6.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
1	6.300	180.4C	161.2	-161.2	-180.4C	174.6	155.5	-166.9	-186.
0	6.400	180.4C	161.2	-161.2	-180.4C	170.7	151.5	-170.9	-190.
4	6.500	180.4C	161.2	-161.2	-180.4C	169.3	150.1	-172.2	-191.
1	6.600	180.4C	161.2	-161.2	-180.4C	170.7	151.5	-170.9	-190.
2	6.700	180.4C	161.2	-161.2	-180.4C	174.6	155.4	-167.0	-186.
8	6.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
8	6.900	180.4C	161.2	-161.2	-180.4C	190.0	170.8	-151.6	-170.
3	7.000	180.4C	161.2	-161.2	-180.4C	201.5	182.3	-140.1	-159.

6	9.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
6	9.000	180.4C	161.2	-161.2	-180.4C	200.1	181.0	-141.4	-160.
5	9.100	180.4C	161.2	-161.2	-180.4C	189.3	170.1	-152.3	-171.
8	9.200	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
5	9.300	180.4C	161.2	-161.2	-180.4C	175.3	156.1	-166.3	-185.
7	9.400	180.4C	161.2	-161.2	-180.4C	172.0	152.8	-169.5	-188.
4	9.500	180.4C	161.2	-161.2	-180.4C	171.4	152.2	-170.2	-189.
3	9.600	180.4C	161.2	-161.2	-180.4C	173.4	154.2	-168.2	-187.
7	9.700	180.4C	161.2	-161.2	-180.4C	178.0	158.8	-163.6	-182.
6	9.800	180.4C	161.2	-161.2	-180.4C	185.2	166.0	-156.4	-175.
9	9.900	180.4C	161.2	-161.2	-180.4C	194.8	175.6	-146.7	-165.
7	10.000	180.4C	161.2	-161.2	-180.4C	207.0	187.9	-134.5	-153.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
10.000	215.8C	161.2	-161.2	-215.8C	242.5	187.9	-134.5	-189.
10.100	215.8C	191.7	-191.7	-215.8C	228.1	203.9	-179.4	-203.
10.200	215.8C	191.7	-191.7	-215.8C	216.3	192.1	-191.2	-215.
10.300	215.8C	191.7	-191.7	-215.8C	207.1	182.9	-200.4	-224.
10.400	215.8C	191.7	-191.7	-215.8C	200.5	176.3	-207.0	-231.
10.500	215.8C	191.7	-191.7	-215.8C	196.4	172.2	-211.1	-235.
10.600	215.8C	191.7	-191.7	-215.8C	195.1	171.0	-212.3	-236.
10.700	215.8C	191.7	-191.7	-215.8C	196.4	172.3	-211.0	-235.
10.800	215.8C	191.7	-191.7	-215.8C	200.3	176.1	-207.2	-231.
10.900	215.8C	191.7	-191.7	-215.8C	206.8	182.6	-200.7	-224.
11.000	215.8C	191.7	-191.7	-215.8C	215.8	191.7	-191.7	-215.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	2.78	28.83	2.45	32.30	HS 49.05	88.3
1.200	1.65	14.88	1.45	16.62	HS 29.08	52.3
1.300	1.38	10.11	1.21	11.26	HS 24.12	43.4
1.400	1.36	7.63	1.19	8.49	HS 23.89	43.0
1.500	1.46	6.06	1.28	6.76	HS 25.52	45.9
1.600	1.56	4.96	1.38	5.53	HS 27.51	49.5
1.700	1.87	4.11	1.65	4.61	HS 33.03	59.5
1.800	3.04	3.43	2.70	3.87	HS 53.99	97.2
1.900	8.68	2.60	7.76	2.95	HS 51.97	93.5
2.000	13.00	1.43	11.70	1.63	HS 28.52	51.3
2.000	11.10	1.16	10.07	1.33	HS 23.26	41.9
2.100	8.15	1.94	7.34	2.19	HS 38.82	69.9
2.200	2.84	2.53	2.55	2.84	HS 50.50	90.9
2.300	1.87	3.18	1.66	3.55	HS 33.29	59.9
2.400	1.62	4.11	1.44	4.58	HS 28.73	51.7
2.500	1.63	5.60	1.45	6.24	HS 28.98	52.2
2.600	1.61	5.06	1.43	5.63	HS 28.53	51.3
2.700	1.83	3.94	1.63	4.39	HS 32.55	58.6
2.800	2.73	3.15	2.44	3.53	HS 48.91	88.0
2.900	6.68	2.32	6.00	2.61	HS 46.38	83.5
3.000	9.00	1.29	8.14	1.47	HS 25.82	46.5
3.000	9.00	1.29	8.14	1.47	HS 25.82	46.5
3.100	6.53	2.34	5.87	2.63	HS 46.78	84.2
3.200	2.72	3.20	2.43	3.59	HS 48.68	87.6
3.300	1.81	4.01	1.61	4.47	HS 32.14	57.8
3.400	1.58	5.15	1.40	5.73	HS 27.95	50.3
3.500	1.60	6.92	1.42	7.69	HS 28.41	51.1
3.600	1.58	5.09	1.40	5.66	HS 28.01	50.4
3.700	1.81	3.95	1.61	4.41	HS 32.27	58.1
3.800	2.74	3.15	2.45	3.53	HS 48.96	88.1
3.900	6.82	2.31	6.13	2.60	HS 46.10	83.0
4.000	11.05	1.27	10.00	1.45	HS 25.46	45.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
4.000	11.05	1.27	10.00	1.45	HS 25.46	45.8
4.100	6.74	2.30	6.06	2.60	HS 46.08	82.9
4.200	2.74	3.15	2.45	3.52	HS 49.05	88.3
4.300	1.82	3.94	1.62	4.40	HS 32.36	58.2
4.400	1.58	5.08	1.41	5.65	HS 28.11	50.6
4.500	1.61	6.78	1.43	7.54	HS 28.53	51.4
4.600	1.58	5.08	1.40	5.65	HS 28.09	50.6
4.700	1.82	3.95	1.62	4.40	HS 32.31	58.2
4.800	2.74	3.15	2.45	3.53	HS 48.95	88.1
4.900	6.76	2.31	6.07	2.60	HS 46.18	83.1
5.000	10.85	1.28	9.81	1.45	HS 25.55	46.0
5.000	10.85	1.28	9.81	1.45	HS 25.55	46.0
5.100	6.64	2.31	5.97	2.60	HS 46.19	83.2
5.200	2.74	3.15	2.45	3.53	HS 48.93	88.1
5.300	1.81	3.95	1.62	4.41	HS 32.29	58.1
5.400	1.58	5.08	1.40	5.65	HS 28.07	50.5
5.500	1.61	6.81	1.42	7.57	HS 28.50	51.3
5.600	1.58	5.08	1.40	5.65	HS 28.07	50.5
5.700	1.82	3.95	1.62	4.40	HS 32.31	58.2
5.800	2.74	3.15	2.45	3.53	HS 48.96	88.1
5.900	6.77	2.31	6.09	2.60	HS 46.15	83.1
6.000	10.90	1.28	9.87	1.45	HS 25.51	45.9
6.000	10.90	1.28	9.87	1.45	HS 25.51	45.9
6.100	6.66	2.31	5.99	2.60	HS 46.15	83.1
6.200	2.74	3.15	2.45	3.53	HS 48.96	88.1
6.300	1.82	3.95	1.62	4.40	HS 32.31	58.2
6.400	1.58	5.08	1.40	5.65	HS 28.07	50.5
6.500	1.61	6.81	1.42	7.57	HS 28.50	51.3
6.600	1.58	5.08	1.40	5.65	HS 28.07	50.5
6.700	1.81	3.95	1.62	4.41	HS 32.29	58.1
6.800	2.74	3.15	2.45	3.53	HS 48.93	88.1
6.900	6.75	2.31	6.07	2.60	HS 46.20	83.2
7.000	10.85	1.28	9.81	1.45	HS 25.55	46.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
7.000	10.85	1.28	9.81	1.45	HS 25.55	46.0
7.100	6.64	2.31	5.97	2.60	HS 46.18	83.1
7.200	2.74	3.15	2.45	3.53	HS 48.95	88.1
7.300	1.82	3.95	1.62	4.40	HS 32.31	58.2
7.400	1.58	5.08	1.40	5.65	HS 28.09	50.6
7.500	1.61	6.78	1.43	7.54	HS 28.53	51.4
7.600	1.58	5.08	1.41	5.65	HS 28.11	50.6
7.700	1.82	3.94	1.62	4.40	HS 32.36	58.2
7.800	2.74	3.15	2.45	3.52	HS 49.05	88.3
7.900	6.86	2.30	6.17	2.60	HS 46.08	82.9
8.000	11.05	1.27	10.00	1.45	HS 25.46	45.8
8.000	11.05	1.27	10.00	1.45	HS 25.46	45.8
8.100	6.70	2.31	6.03	2.60	HS 46.10	83.0
8.200	2.74	3.15	2.45	3.53	HS 48.96	88.1
8.300	1.81	3.95	1.61	4.41	HS 32.27	58.1
8.400	1.58	5.09	1.40	5.66	HS 28.01	50.4
8.500	1.60	6.92	1.42	7.69	HS 28.41	51.1
8.600	1.58	5.15	1.40	5.73	HS 27.95	50.3
8.700	1.81	4.01	1.61	4.47	HS 32.14	57.8
8.800	2.72	3.20	2.43	3.59	HS 48.68	87.6
8.900	6.64	2.34	5.97	2.63	HS 46.78	84.2
9.000	9.00	1.29	8.14	1.47	HS 25.82	46.5
9.000	9.00	1.29	8.14	1.47	HS 25.82	46.5
9.100	6.57	2.32	5.91	2.61	HS 46.38	83.5
9.200	2.73	3.15	2.44	3.53	HS 48.91	88.0
9.300	1.83	3.94	1.63	4.39	HS 32.55	58.6
9.400	1.61	5.06	1.43	5.63	HS 28.53	51.3
9.500	1.63	5.60	1.45	6.24	HS 28.98	52.2
9.600	1.62	4.11	1.44	4.58	HS 28.73	51.7
9.700	1.87	3.18	1.66	3.55	HS 33.29	59.9
9.800	2.84	2.53	2.55	2.84	HS 50.50	90.9
9.900	8.31	1.94	7.49	2.19	HS 38.82	69.9
10.000	11.10	1.17	10.07	1.34	HS 23.40	42.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
10.000	13.00	1.17	10.07	1.64	HS 23.40	42.1
10.100	8.52	2.60	7.62	2.95	HS 51.97	93.5
10.200	3.04	3.43	2.70	3.87	HS 53.99	97.2
10.300	1.87	4.11	1.65	4.61	HS 33.03	59.5
10.400	1.56	4.96	1.38	5.53	HS 27.51	49.5
10.500	1.46	6.06	1.28	6.76	HS 25.52	45.9
10.600	1.36	7.63	1.19	8.49	HS 23.89	43.0
10.700	1.38	10.11	1.21	11.26	HS 24.12	43.4
10.800	1.65	14.88	1.45	16.62	HS 29.08	52.3
10.900	2.78	28.83	2.45	32.30	HS 49.05	88.3
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
1.000	0.7	6.2	35.63	27.51	27.41	21.16
1.100	0.6	4.6	29.78	23.60	22.91	18.15
1.200	0.4	3.1	24.23	19.88	18.64	15.29
1.300	0.2	1.5	19.04	16.39	14.65	12.61
1.400	0.0	0.0	14.31	13.14	11.01	10.11
1.500	-0.2	-1.6	-16.77	-15.50	-12.90	-11.92
1.600	-0.4	-3.2	-20.25	-18.55	-15.58	-14.27
1.700	-0.5	-4.7	-25.94	-21.53	-19.95	-16.56
1.800	-0.7	-6.3	-31.40	-24.42	-24.15	-18.78
1.900	-0.9	-7.8	-36.40	-27.15	-28.00	-20.89
2.000	-1.1	-9.4	-40.86	-29.69	-31.43	-22.84
2.000	0.8	-9.4	38.90	29.41	29.92	22.63
2.100	0.7	6.6	33.68	26.57	25.90	20.44
2.200	0.5	5.1	28.40	23.46	21.85	18.05
2.300	0.4	3.5	23.00	20.18	17.69	15.53
2.400	0.2	2.0	18.91	16.86	14.54	12.97
2.500	0.1	0.5	14.79	13.59	11.38	10.45
2.600	-0.1	-1.2	-18.64	-16.43	-14.34	-12.64
2.700	-0.2	-2.7	-22.82	-19.76	-17.55	-15.20
2.800	-0.4	-4.3	-28.19	-23.05	-21.69	-17.73
2.900	-0.6	-5.8	-33.45	-26.18	-25.73	-20.14
3.000	-0.7	-7.3	-38.37	-29.05	-29.52	-22.35
3.000	0.8	7.7	38.42	29.25	29.56	22.50
3.100	0.6	6.1	33.52	26.39	25.78	20.30
3.200	0.5	4.6	28.27	23.26	21.74	17.90
3.300	0.3	3.0	22.89	19.98	17.61	15.37
3.400	0.1	1.5	18.67	16.66	14.36	12.81
3.500	0.0	-0.1	14.60	-13.48	11.23	-10.37
3.600	-0.2	-1.7	-18.67	-16.74	-14.36	-12.88
3.700	-0.3	-3.2	-22.88	-20.07	-17.60	-15.44
3.800	-0.5	-4.8	-28.26	-23.35	-21.74	-17.96
3.900	-0.6	-6.3	-33.51	-26.48	-25.78	-20.37
4.000	-0.8	-7.9	-38.42	-29.34	-29.55	-22.57

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
4.000	0.8	-7.9	38.42	29.33	29.56	22.56
4.100	0.6	6.2	33.51	26.47	25.78	20.36
4.200	0.5	4.7	28.26	23.34	21.74	17.95
4.300	0.3	3.2	22.89	20.06	17.61	15.43
4.400	0.2	1.6	18.67	16.73	14.36	12.87
4.500	0.0	0.1	14.61	13.47	11.23	10.36
4.600	-0.2	-1.6	-18.67	-16.71	-14.36	-12.85
4.700	-0.3	-3.1	-22.89	-20.03	-17.61	-15.41
4.800	-0.5	-4.7	-28.26	-23.31	-21.74	-17.93
4.900	-0.6	-6.2	-33.51	-26.44	-25.78	-20.34
5.000	-0.8	-7.7	-38.42	-29.30	-29.56	-22.54
5.000	0.8	7.7	38.42	29.31	29.56	22.55
5.100	0.6	6.2	33.51	26.45	25.78	20.35
5.200	0.5	4.7	28.26	23.33	21.74	17.94
5.300	0.3	3.1	22.89	20.05	17.61	15.42
5.400	0.2	1.6	18.67	16.72	14.36	12.86
5.500	0.0	0.1	14.61	-13.46	11.24	-10.36
5.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
5.700	-0.3	-3.2	-22.89	-20.05	-17.61	-15.43
5.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
5.900	-0.6	-6.2	-33.51	-26.46	-25.78	-20.36
6.000	-0.8	-7.8	-38.42	-29.32	-29.56	-22.56
6.000	0.8	7.8	38.42	29.32	29.56	22.56
6.100	0.6	6.2	33.51	26.46	25.78	20.36
6.200	0.5	4.7	28.26	23.34	21.74	17.95
6.300	0.3	3.2	22.89	20.05	17.61	15.43
6.400	0.2	1.6	18.67	16.73	14.36	12.87
6.500	0.0	0.1	14.61	13.46	11.24	10.36
6.600	-0.2	-1.6	-18.67	-16.72	-14.36	-12.86
6.700	-0.3	-3.1	-22.89	-20.05	-17.61	-15.42
6.800	-0.5	-4.7	-28.26	-23.33	-21.74	-17.94
6.900	-0.6	-6.2	-33.51	-26.45	-25.78	-20.35
7.000	-0.8	-7.7	-38.42	-29.31	-29.56	-22.55

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	38.42	29.30	29.56	22.54
7.100	0.6	6.2	33.51	26.44	25.78	20.34
7.200	0.5	4.7	28.26	23.31	21.74	17.93
7.300	0.3	3.1	22.89	20.03	17.61	15.41
7.400	0.2	1.6	18.67	16.71	14.36	12.85
7.500	0.0	0.1	14.61	-13.47	-11.24	-10.36
7.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
7.700	-0.3	-3.2	-22.89	-20.06	-17.61	-15.43
7.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
7.900	-0.6	-6.2	-33.51	-26.47	-25.78	-20.36
8.000	-0.8	-7.8	-38.42	-29.33	-29.56	-22.56
8.000	0.8	7.9	38.42	29.34	29.55	22.57
8.100	0.6	6.3	33.51	26.48	25.78	20.37
8.200	0.5	4.8	28.26	23.35	21.74	17.96
8.300	0.3	3.2	22.88	20.07	17.60	15.44
8.400	0.2	1.7	18.67	16.74	14.36	12.88
8.500	0.0	0.2	14.60	13.48	11.23	10.37
8.600	-0.1	-1.5	-18.67	-16.66	-14.36	-12.81
8.700	-0.3	-3.0	-22.89	-19.98	-17.61	-15.37
8.800	-0.5	-4.6	-28.27	-23.26	-21.74	-17.90
8.900	-0.6	-6.1	-33.52	-26.39	-25.78	-20.30
9.000	-0.8	-7.7	-38.42	-29.25	-29.56	-22.50
9.000	0.7	-7.7	38.37	29.05	29.52	22.35
9.100	0.6	5.8	33.45	26.18	25.73	20.14
9.200	0.4	4.3	28.19	23.05	21.69	17.73
9.300	0.2	2.7	22.82	19.76	17.55	15.20
9.400	0.1	1.2	18.64	16.43	14.34	12.64
9.500	-0.1	-0.4	-14.79	-13.59	-11.38	-10.45
9.600	-0.2	-2.0	-18.91	-16.86	-14.54	-12.97
9.700	-0.4	-3.5	-23.00	-20.18	-17.69	-15.53
9.800	-0.5	-5.1	-28.40	-23.46	-21.85	-18.05
9.900	-0.7	-6.6	-33.68	-26.57	-25.90	-20.44
10.000	-0.8	-8.1	-38.59	-29.41	-29.69	-22.63

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
10.000	1.1	9.4	40.86	29.69	31.43	22.84
10.100	0.9	7.8	36.40	27.15	28.00	20.89
10.200	0.7	6.3	31.40	24.42	24.15	18.78
10.300	0.5	4.7	25.94	21.53	19.95	16.56
10.400	0.4	3.2	20.25	18.55	15.58	14.27
10.500	0.2	1.7	16.77	15.50	12.90	11.92
10.600	0.0	0.0	-14.31	-13.14	-11.01	-10.11
10.700	-0.2	-1.5	-19.04	-16.39	-14.65	-12.61
10.800	-0.4	-3.1	-24.23	-19.88	-18.64	-15.29
10.900	-0.6	-4.6	-29.78	-23.60	-22.91	-18.15
11.000	-0.7	-6.2	-35.63	-27.51	-27.41	-21.16

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	103.3	-83.6	75.3
1.100	103.3	-82.5	76.3
1.200	103.3	-81.5	77.4
1.300	103.3	-80.5	78.4
1.400	103.3	-79.4	79.4
1.500	103.3	-78.4	80.5
1.600	103.3	-77.3	81.6
1.700	103.3	-76.3	82.6
1.800	103.3	-75.2	83.6
1.900	103.3	-74.2	84.7
2.000	103.3	-73.2	85.7
2.000	90.8	-73.2	64.4
2.100	90.8	-74.2	65.4
2.200	90.8	-73.2	66.5
2.300	90.8	-72.2	67.5
2.400	90.8	-71.2	68.5
2.500	90.8	-70.1	69.5
2.600	90.8	-69.0	70.6
2.700	90.8	-68.0	71.6
2.800	90.8	-67.0	72.6
2.900	90.8	-66.0	73.6
3.000	90.8	-65.0	70.3
3.000	90.8	-65.0	64.8
3.100	90.8	-73.9	65.8
3.200	90.8	-72.8	66.8
3.300	90.8	-71.8	67.8
3.400	90.8	-70.8	68.8
3.500	90.8	-69.8	69.9
3.600	90.8	-68.7	71.0
3.700	90.8	-67.7	72.0
3.800	90.8	-66.7	73.0
3.900	90.8	-65.6	74.0
4.000	90.8	-64.6	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	90.8	-64.6	64.7
4.100	90.8	-73.9	65.7
4.200	90.8	-72.9	66.7
4.300	90.8	-71.9	67.7
4.400	90.8	-70.9	68.7
4.500	90.8	-69.9	69.8
4.600	90.8	-68.8	70.9
4.700	90.8	-67.8	71.9
4.800	90.8	-66.8	72.9
4.900	90.8	-65.7	73.9
5.000	90.8	-64.7	70.3
5.000	90.8	-64.7	64.7
5.100	90.8	-73.9	65.7
5.200	90.8	-72.9	66.7
5.300	90.8	-71.9	67.8
5.400	90.8	-70.9	68.8
5.500	90.8	-69.9	69.8
5.600	90.8	-68.8	70.9
5.700	90.8	-67.7	71.9
5.800	90.8	-66.7	72.9
5.900	90.8	-65.7	73.9
6.000	90.8	-64.7	70.3
6.000	90.8	-64.7	64.7
6.100	90.8	-73.9	65.7
6.200	90.8	-72.9	66.7
6.300	90.8	-71.9	67.7
6.400	90.8	-70.9	68.8
6.500	90.8	-69.9	69.8
6.600	90.8	-68.8	70.9
6.700	90.8	-67.8	71.9
6.800	90.8	-66.7	72.9
6.900	90.8	-65.7	73.9
7.000	90.8	-64.7	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	90.8	-64.7	64.7
7.100	90.8	-73.9	65.7
7.200	90.8	-72.9	66.8
7.300	90.8	-71.9	67.8
7.400	90.8	-70.9	68.8
7.500	90.8	-69.8	69.8
7.600	90.8	-68.7	70.9
7.700	90.8	-67.7	71.9
7.800	90.8	-66.7	72.9
7.900	90.8	-65.7	73.9
8.000	90.8	-64.7	70.3
8.000	90.8	-64.7	64.6
8.100	90.8	-74.0	65.6
8.200	90.8	-73.0	66.7
8.300	90.8	-72.0	67.7
8.400	90.8	-71.0	68.7
8.500	90.8	-69.9	69.7
8.600	90.8	-68.8	70.8
8.700	90.8	-67.8	71.8
8.800	90.8	-66.8	72.8
8.900	90.8	-65.8	73.9
9.000	90.8	-64.8	70.3
9.000	90.8	-64.8	65.0
9.100	90.8	-73.6	66.0
9.200	90.8	-72.6	67.0
9.300	90.8	-71.6	68.0
9.400	90.8	-70.6	69.0
9.500	90.8	-69.6	70.1
9.600	90.8	-68.5	71.2
9.700	90.8	-67.5	72.2
9.800	90.8	-66.5	73.2
9.900	90.8	-65.4	74.2
10.000	90.8	-64.4	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	103.3	-64.4	73.2
10.100	103.3	-84.7	74.2
10.200	103.3	-83.6	75.2
10.300	103.3	-82.6	76.3
10.400	103.3	-81.6	77.3
10.500	103.3	-80.5	78.3
10.600	103.3	-79.4	79.4
10.700	103.3	-78.4	80.5
10.800	103.3	-77.4	81.5
10.900	103.3	-76.3	82.5
11.000	103.3	-75.3	79.9

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	31.32	2.11	HS 42.26	76.1
1.100	23.44	2.56	HS 51.25	92.3
1.200	12.47	3.19	HS 63.86	114.9
1.300	8.29	4.12	HS 82.32	148.2
1.400	6.22	5.55	HS 110.98	199.8
1.500	4.68	7.45	HS 93.51	168.3
1.600	3.82	10.86	HS 76.34	137.4
1.700	2.94	16.00	HS 58.80	105.8
1.800	2.40	26.56	HS 47.91	86.2
1.900	2.04	56.69	HS 40.77	73.4
2.000	1.79	119.88	HS 35.81	64.4
2.000	1.79	1.66	HS 33.12	59.6
2.100	22.26	1.94	HS 38.87	70.0
2.200	15.69	2.34	HS 46.80	84.2
2.300	10.04	2.93	HS 58.69	105.6
2.400	7.08	3.62	HS 72.45	130.4
2.500	4.82	4.70	HS 93.99	169.2
2.600	3.70	6.75	HS 74.08	133.4
2.700	2.98	9.43	HS 59.62	107.3
2.800	2.38	14.38	HS 47.54	85.6
2.900	1.97	17.50	HS 39.46	71.0
3.000	1.69	16.69	HS 33.87	61.0
3.000	1.69	1.69	HS 33.72	60.7
3.100	20.56	1.96	HS 39.26	70.7
3.200	14.65	2.36	HS 47.27	85.1
3.300	9.57	2.96	HS 59.26	106.7
3.400	6.83	3.69	HS 73.75	132.8
3.500	4.78	4.78	HS 95.58	172.1
3.600	3.68	6.90	HS 73.59	132.5
3.700	2.96	9.70	HS 59.15	106.5
3.800	2.36	14.94	HS 47.18	84.9
3.900	1.96	21.21	HS 39.18	70.5
4.000	1.68	20.44	HS 33.64	60.6

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	1.68	1.68	HS 33.64	60.6
4.100	20.82	1.96	HS 39.21	70.6
4.200	14.77	2.36	HS 47.21	85.0
4.300	9.63	2.96	HS 59.18	106.5
4.400	6.86	3.68	HS 73.64	132.5
4.500	4.78	4.78	HS 95.53	172.0
4.600	3.68	6.84	HS 73.68	132.6
4.700	2.96	9.59	HS 59.22	106.6
4.800	2.36	14.69	HS 47.24	85.0
4.900	1.96	20.67	HS 39.23	70.6
5.000	1.68	19.92	HS 33.69	60.6
5.000	1.68	1.68	HS 33.68	60.6
5.100	20.68	1.96	HS 39.22	70.6
5.200	14.70	2.36	HS 47.23	85.0
5.300	9.60	2.96	HS 59.21	106.6
5.400	6.85	3.68	HS 73.66	132.6
5.500	4.78	4.78	HS 95.57	172.0
5.600	3.68	6.85	HS 73.65	132.6
5.700	2.96	9.61	HS 59.19	106.6
5.800	2.36	14.73	HS 47.22	85.0
5.900	1.96	20.74	HS 39.22	70.6
6.000	1.68	19.99	HS 33.68	60.6
6.000	1.68	1.68	HS 33.68	60.6
6.100	20.74	1.96	HS 39.22	70.6
6.200	14.73	2.36	HS 47.22	85.0
6.300	9.61	2.96	HS 59.19	106.6
6.400	6.85	3.68	HS 73.65	132.6
6.500	4.78	4.78	HS 95.55	172.0
6.600	3.68	6.85	HS 73.66	132.6
6.700	2.96	9.60	HS 59.21	106.6
6.800	2.36	14.70	HS 47.23	85.0
6.900	1.96	20.68	HS 39.22	70.6
7.000	1.68	19.94	HS 33.68	60.6

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	1.68	1.68	HS 33.68	60.6
7.100	20.67	1.96	HS 39.23	70.6
7.200	14.69	2.36	HS 47.24	85.0
7.300	9.59	2.96	HS 59.22	106.6
7.400	6.84	3.68	HS 73.68	132.6
7.500	4.78	4.78	HS 95.59	172.1
7.600	3.68	6.86	HS 73.64	132.5
7.700	2.96	9.63	HS 59.18	106.5
7.800	2.36	14.77	HS 47.21	85.0
7.900	1.96	20.82	HS 39.21	70.6
8.000	1.68	20.06	HS 33.67	60.6
8.000	1.68	1.68	HS 33.64	60.6
8.100	21.21	1.96	HS 39.18	70.5
8.200	14.94	2.36	HS 47.18	84.9
8.300	9.70	2.96	HS 59.15	106.5
8.400	6.90	3.68	HS 73.59	132.5
8.500	4.79	4.77	HS 95.48	171.9
8.600	3.69	6.83	HS 73.75	132.8
8.700	2.96	9.57	HS 59.26	106.7
8.800	2.36	14.65	HS 47.27	85.1
8.900	1.96	20.56	HS 39.26	70.7
9.000	1.69	19.83	HS 33.72	60.7
9.000	1.69	1.69	HS 33.72	60.7
9.100	18.18	1.97	HS 39.46	71.0
9.200	14.38	2.38	HS 47.54	85.6
9.300	9.43	2.98	HS 59.62	107.3
9.400	6.75	3.70	HS 74.08	133.4
9.500	4.70	4.81	HS 94.10	169.4
9.600	3.62	7.08	HS 72.45	130.4
9.700	2.93	10.04	HS 58.69	105.6
9.800	2.34	15.69	HS 46.80	84.2
9.900	1.94	21.33	HS 38.87	70.0
10.000	1.67	20.22	HS 33.39	60.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	1.67	1.79	HS 33.39	60.1
10.100	56.69	2.04	HS 40.77	73.4
10.200	26.56	2.40	HS 47.91	86.2
10.300	16.00	2.94	HS 58.80	105.8
10.400	10.86	3.82	HS 76.34	137.4
10.500	7.46	4.67	HS 93.42	168.2
10.600	5.55	6.22	HS 110.98	199.8
10.700	4.12	8.29	HS 82.32	148.2
10.800	3.19	12.47	HS 63.86	114.9
10.900	2.56	23.44	HS 51.25	92.3
11.000	2.11	30.37	HS 42.26	76.1

3.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
3.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
3.100 59.2	162.0	162.0	-173.3	-173.3	176.1	176.1	-159.2	-1
3.200 68.0	167.9	167.9	-167.4	-167.4	167.3	167.3	-168.0	-1
3.300 74.3	172.1	172.1	-163.2	-163.2	161.0	161.0	-174.3	-1
3.400 78.0	174.6	174.6	-160.7	-160.7	157.3	157.3	-178.0	-1
3.500 79.2	175.3	175.3	-159.9	-159.9	156.1	156.1	-179.2	-1
3.600 77.6	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
3.700 73.5	171.6	171.6	-163.7	-163.7	161.7	161.7	-173.5	-1
3.800 66.9	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
3.900 57.7	161.0	161.0	-174.2	-174.2	177.5	177.5	-157.7	-1
4.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

INV.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1
4.100 57.6	161.0	161.0	-174.3	-174.3	177.7	177.7	-157.6	-1
4.200 66.6	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.6	-1
4.300 73.1	171.3	171.3	-164.0	-164.0	162.1	162.1	-173.1	-1
4.400 77.1	173.9	173.9	-161.3	-161.3	158.2	158.2	-177.1	-1
4.500 78.5	174.9	174.9	-160.4	-160.4	156.8	156.8	-178.5	-1
4.600 77.2	174.0	174.0	-161.3	-161.3	158.1	158.1	-177.2	-1
4.700 73.3	171.4	171.4	-163.8	-163.8	161.9	161.9	-173.3	-1
4.800 66.9	167.2	167.2	-168.1	-168.1	168.3	168.3	-166.9	-1
4.900 58.0	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-1
5.000 46.5	153.6	153.6	-181.7	-181.7	188.7	188.7	-146.5	-1
5.000 46.5	153.6	153.6	-181.7	-181.7	188.7	188.7	-146.5	-1
5.100 58.0	161.2	161.2	-174.0	-174.0	177.2	177.2	-158.0	-1
5.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
5.300 73.4	171.5	171.5	-163.8	-163.8	161.8	161.8	-173.4	-1
5.400 77.3	174.1	174.1	-161.2	-161.2	157.9	157.9	-177.3	-1
5.500 78.7	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-1
5.600 77.3	174.1	174.1	-161.2	-161.2	158.0	158.0	-177.3	-1
5.700 73.4	171.5	171.5	-163.8	-163.8	161.9	161.9	-173.4	-1
5.800 66.9	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
5.900 57.9	161.2	161.2	-174.1	-174.1	177.4	177.4	-157.9	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 46.5	153.6	153.6	-181.7	-181.7	188.7	188.7	-146.5	-1
7.100 58.0	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-1
7.200 66.9	167.2	167.2	-168.1	-168.1	168.3	168.3	-166.9	-1
7.300 73.3	171.4	171.4	-163.8	-163.8	161.9	161.9	-173.3	-1
7.400 77.2	174.0	174.0	-161.3	-161.3	158.1	158.1	-177.2	-1
7.500 78.5	174.9	174.9	-160.4	-160.4	156.8	156.8	-178.5	-1
7.600 77.1	173.9	173.9	-161.3	-161.3	158.2	158.2	-177.1	-1
7.700 73.1	171.3	171.3	-164.0	-164.0	162.1	162.1	-173.1	-1
7.800 66.6	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.6	-1
7.900 57.6	161.0	161.0	-174.3	-174.3	177.7	177.7	-157.6	-1
8.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1
8.000 46.0	153.2	153.2	-182.0	-182.0	189.3	189.3	-146.0	-1
8.100 57.7	161.0	161.0	-174.2	-174.2	177.5	177.5	-157.7	-1
8.200 66.9	167.2	167.2	-168.1	-168.1	168.4	168.4	-166.9	-1
8.300 73.5	171.6	171.6	-163.7	-163.7	161.7	161.7	-173.5	-1
8.400 77.6	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
8.500 79.2	175.3	175.3	-159.9	-159.9	156.1	156.1	-179.2	-1
8.600 78.0	174.6	174.6	-160.7	-160.7	157.3	157.3	-178.0	-1
8.700 74.3	172.1	172.1	-163.2	-163.2	161.0	161.0	-174.3	-1
8.800 68.0	167.9	167.9	-167.4	-167.4	167.3	167.3	-168.0	-1
8.900 59.2	162.0	162.0	-173.3	-173.3	176.1	176.1	-159.2	-1

9.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
9.000 47.9	154.5	154.5	-180.8	-180.8	187.4	187.4	-147.9	-1
9.100 58.7	161.7	161.7	-173.6	-173.6	176.6	176.6	-158.7	-1
9.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
9.300 72.8	171.1	171.1	-164.2	-164.2	162.5	162.5	-172.8	-1
9.400 76.0	173.2	173.2	-162.1	-162.1	159.3	159.3	-176.0	-1
9.500 76.7	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
9.600 74.6	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
9.700 70.0	169.2	169.2	-166.1	-166.1	165.3	165.3	-170.0	-1
9.800 62.9	164.5	164.5	-170.8	-170.8	172.4	172.4	-162.9	-1
9.900 53.2	158.0	158.0	-177.3	-177.3	182.1	182.1	-153.2	-1
10.000 41.0	149.9	149.9	-185.4	-185.4	194.3	194.3	-141.0	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
10.000 41.0	149.9	149.9	-185.4	-185.4	194.3	194.3	-141.0	-1
10.100 87.0	191.1	191.1	-207.5	-207.5	211.6	211.6	-187.0	-1
10.200 98.8	199.0	199.0	-199.6	-199.6	199.8	199.8	-198.8	-1
10.300 08.0	205.1	205.1	-193.5	-193.5	190.6	190.6	-208.0	-2
10.400 14.7	209.6	209.6	-189.1	-189.1	184.0	184.0	-214.7	-2
10.500 18.7	212.3	212.3	-186.4	-186.4	179.9	179.9	-218.7	-2
10.600 20.0	213.1	213.1	-185.5	-185.5	178.6	178.6	-220.0	-2
10.700 18.7	212.2	212.2	-186.4	-186.4	179.9	179.9	-218.7	-2
10.800 14.8	209.7	209.7	-189.0	-189.0	183.8	183.8	-214.8	-2
10.900 08.4	205.3	205.3	-193.3	-193.3	190.3	190.3	-208.4	-2
11.000 99.3	199.3	199.3	-199.3	-199.3	199.3	199.3	-199.3	-1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	2.56	29.93	2.56	29.93	HS 51.11	92.0
1.200	1.52	15.43	1.52	15.43	HS 30.35	54.6
1.300	1.26	10.47	1.26	10.47	HS 25.19	45.3
1.400	1.25	7.90	1.25	7.90	HS 24.96	44.9
1.500	1.33	6.28	1.33	6.28	HS 26.65	48.0
1.600	1.43	5.14	1.43	5.14	HS 28.71	51.7
1.700	1.72	4.27	1.72	4.27	HS 34.42	61.9
1.800	2.81	3.57	2.81	3.57	HS 56.14	101.1
1.900	8.05	2.71	8.05	2.71	HS 54.19	97.5
2.000	12.12	1.49	12.12	1.49	HS 29.85	53.7
2.000	10.42	1.22	10.42	1.22	HS 24.37	43.9
2.100	7.61	2.03	7.61	2.03	HS 40.53	73.0
2.200	2.65	2.63	2.65	2.63	HS 52.58	94.6
2.300	1.73	3.31	1.73	3.31	HS 34.65	62.4
2.400	1.50	4.27	1.50	4.27	HS 29.93	53.9
2.500	1.51	5.82	1.51	5.82	HS 30.21	54.4
2.600	1.49	5.25	1.49	5.25	HS 29.73	53.5
2.700	1.70	4.09	1.70	4.09	HS 33.89	61.0
2.800	2.54	3.28	2.54	3.28	HS 50.85	91.5
2.900	6.23	2.42	6.23	2.42	HS 48.34	87.0
3.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
3.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
3.100	6.09	2.44	6.09	2.44	HS 48.76	87.8
3.200	2.53	3.33	2.53	3.33	HS 50.63	91.1
3.300	1.67	4.16	1.67	4.16	HS 33.48	60.3
3.400	1.46	5.35	1.46	5.35	HS 29.15	52.5
3.500	1.48	7.18	1.48	7.18	HS 29.63	53.3
3.600	1.46	5.28	1.46	5.28	HS 29.21	52.6
3.700	1.68	4.11	1.68	4.11	HS 33.61	60.5
3.800	2.55	3.28	2.55	3.28	HS 50.91	91.6
3.900	6.36	2.40	6.36	2.40	HS 48.06	86.5
4.000	10.35	1.33	10.35	1.33	HS 26.63	47.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	10.35	1.33	10.35	1.33	HS 26.63	47.9
4.100	6.29	2.40	6.29	2.40	HS 48.04	86.5
4.200	2.55	3.27	2.55	3.27	HS 51.00	91.8
4.300	1.68	4.10	1.68	4.10	HS 33.70	60.7
4.400	1.47	5.27	1.47	5.27	HS 29.31	52.8
4.500	1.49	7.04	1.49	7.04	HS 29.76	53.6
4.600	1.46	5.27	1.46	5.27	HS 29.29	52.7
4.700	1.68	4.10	1.68	4.10	HS 33.65	60.6
4.800	2.55	3.28	2.55	3.28	HS 50.90	91.6
4.900	6.30	2.41	6.30	2.41	HS 48.15	86.7
5.000	10.16	1.34	10.16	1.34	HS 26.72	48.1
5.000	10.16	1.34	10.16	1.34	HS 26.72	48.1
5.100	6.20	2.41	6.20	2.41	HS 48.16	86.7
5.200	2.54	3.28	2.54	3.28	HS 50.88	91.6
5.300	1.68	4.10	1.68	4.10	HS 33.63	60.5
5.400	1.46	5.28	1.46	5.28	HS 29.26	52.7
5.500	1.49	7.06	1.49	7.06	HS 29.72	53.5
5.600	1.46	5.27	1.46	5.27	HS 29.27	52.7
5.700	1.68	4.10	1.68	4.10	HS 33.65	60.6
5.800	2.55	3.28	2.55	3.28	HS 50.91	91.6
5.900	6.32	2.41	6.32	2.41	HS 48.12	86.6
6.000	10.22	1.34	10.22	1.34	HS 26.69	48.0
6.000	10.22	1.34	10.22	1.34	HS 26.69	48.0
6.100	6.21	2.41	6.21	2.41	HS 48.12	86.6
6.200	2.55	3.28	2.55	3.28	HS 50.91	91.6
6.300	1.68	4.10	1.68	4.10	HS 33.65	60.6
6.400	1.46	5.27	1.46	5.27	HS 29.27	52.7
6.500	1.49	7.06	1.49	7.06	HS 29.72	53.5
6.600	1.46	5.28	1.46	5.28	HS 29.26	52.7
6.700	1.68	4.10	1.68	4.10	HS 33.63	60.5
6.800	2.54	3.28	2.54	3.28	HS 50.88	91.6
6.900	6.30	2.41	6.30	2.41	HS 48.16	86.7
7.000	10.16	1.34	10.16	1.34	HS 26.72	48.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	10.16	1.34	10.16	1.34	HS 26.72	48.1
7.100	6.20	2.41	6.20	2.41	HS 48.15	86.7
7.200	2.55	3.28	2.55	3.28	HS 50.90	91.6
7.300	1.68	4.10	1.68	4.10	HS 33.65	60.6
7.400	1.46	5.27	1.46	5.27	HS 29.29	52.7
7.500	1.49	7.04	1.49	7.04	HS 29.76	53.6
7.600	1.47	5.27	1.47	5.27	HS 29.31	52.8
7.700	1.68	4.10	1.68	4.10	HS 33.70	60.7
7.800	2.55	3.27	2.55	3.27	HS 51.00	91.8
7.900	6.40	2.40	6.40	2.40	HS 48.04	86.5
8.000	10.35	1.33	10.35	1.33	HS 26.63	47.9
8.000	10.35	1.33	10.35	1.33	HS 26.63	47.9
8.100	6.26	2.40	6.26	2.40	HS 48.06	86.5
8.200	2.55	3.28	2.55	3.28	HS 50.91	91.6
8.300	1.68	4.11	1.68	4.11	HS 33.61	60.5
8.400	1.46	5.28	1.46	5.28	HS 29.21	52.6
8.500	1.48	7.18	1.48	7.18	HS 29.63	53.3
8.600	1.46	5.35	1.46	5.35	HS 29.15	52.5
8.700	1.67	4.16	1.67	4.16	HS 33.48	60.3
8.800	2.53	3.33	2.53	3.33	HS 50.63	91.1
8.900	6.20	2.44	6.20	2.44	HS 48.76	87.8
9.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
9.000	8.43	1.35	8.43	1.35	HS 27.00	48.6
9.100	6.13	2.42	6.13	2.42	HS 48.34	87.0
9.200	2.54	3.28	2.54	3.28	HS 50.85	91.5
9.300	1.70	4.09	1.70	4.09	HS 33.89	61.0
9.400	1.49	5.25	1.49	5.25	HS 29.73	53.5
9.500	1.51	5.82	1.51	5.82	HS 30.21	54.4
9.600	1.50	4.27	1.50	4.27	HS 29.93	53.9
9.700	1.73	3.31	1.73	3.31	HS 34.65	62.4
9.800	2.65	2.63	2.65	2.63	HS 52.58	94.6
9.900	7.77	2.03	7.77	2.03	HS 40.53	73.0
10.000	10.42	1.23	10.42	1.23	HS 24.53	44.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	10.42	1.23	10.42	1.23	HS 24.53	44.1
10.100	7.91	2.71	7.91	2.71	HS 54.19	97.5
10.200	2.81	3.57	2.81	3.57	HS 56.14	101.1
10.300	1.72	4.27	1.72	4.27	HS 34.41	61.9
10.400	1.43	5.14	1.43	5.14	HS 28.71	51.7
10.500	1.33	6.28	1.33	6.28	HS 26.65	48.0
10.600	1.25	7.90	1.25	7.90	HS 24.96	44.9
10.700	1.26	10.47	1.26	10.47	HS 25.19	45.3
10.800	1.52	15.43	1.52	15.43	HS 30.35	54.6
10.900	2.56	29.93	2.56	29.93	HS 51.11	92.0
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	74.46 L	46.51	57.28	35.77
1.200	2.8	23.1	121.14 L	79.47	93.18	61.13
1.300	3.5	28.9	142.83 L	101.42	109.87	78.01
1.400	3.7	30.8	143.13 L	110.70	110.10	85.15
1.500	3.5	28.9	134.99 L	110.27	103.84	84.83
1.600	2.8	22.8	128.16 L	98.93	98.59	76.10
1.700	1.7	12.9	110.76 L	80.07	85.20	61.59
1.800	0.1	-0.9	71.18 L	52.92	54.76	40.70
1.900	-2.0	-18.5	-69.02 L	-64.36	-53.10	-49.51
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.000	-4.5	-40.0	-115.68 L	-106.66	-88.99	-82.05
2.100	-2.6	-21.5	-75.60 R	-65.20	-58.15	-50.15
2.200	-1.0	-6.9	65.10 R	45.48	50.07	34.99
2.300	0.1	3.9	95.41 R	68.82	73.39	52.94
2.400	0.8	10.8	107.38 R	83.25	82.60	64.04
2.500	1.2	13.9	105.00 L	89.43	80.77	68.79
2.600	1.1	12.8	107.17 L	84.82	82.44	65.25
2.700	0.7	7.8	95.90 L	71.92	73.77	55.32
2.800	-0.1	-0.9	66.18 L	50.41	50.90	38.78
2.900	-1.3	-13.5	-65.66 L	-59.35	-50.51	-45.66
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.000	-2.9	-30.0	-109.54 L	-99.28	-84.26	-76.37
3.100	-1.2	-12.8	-65.31 R	-58.86	-50.24	-45.28
3.200	0.1	0.5	66.06 R	50.05	50.82	38.50
3.300	1.0	10.0	96.18 R	72.77	73.98	55.97
3.400	1.6	15.7	107.91 R	86.39	83.01	66.46
3.500	1.7	17.5	105.35 R	91.75	81.04	70.58
3.600	1.5	15.2	107.95 L	86.32	83.04	66.40
3.700	0.9	9.0	96.23 L	72.61	74.03	55.85
3.800	-0.1	-1.1	66.14 L	50.36	50.88	38.74
3.900	-1.5	-15.0	-65.64 L	-60.21	-50.49	-46.31
4.000	-3.3	-32.7	-109.67 L	-100.89	-84.36	-77.60

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-32.7	-109.67	L -100.89	-84.36	-77.60
4.100	-1.6	-15.2	-65.61	R -60.27	-50.47	-46.36
4.200	-0.2	-1.5	66.13	R 49.52	50.87	38.09
4.300	0.8	8.4	96.23	R 72.33	74.03	55.64
4.400	1.4	14.4	107.95	R 86.05	83.04	66.19
4.500	1.6	16.5	105.37	R 91.50	81.05	70.38
4.600	1.4	14.5	107.95	L 86.15	83.04	66.27
4.700	0.8	8.7	96.24	L 72.53	74.03	55.79
4.800	-0.1	-1.0	66.14	L 50.38	50.88	38.76
4.900	-1.5	-14.6	-65.63	L -60.10	-50.49	-46.23
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45
5.100	-1.5	-14.5	-65.63	R -60.09	-50.49	-46.22
5.200	-0.1	-0.9	66.14	R 49.83	50.88	38.33
5.300	0.9	8.8	96.24	R 72.59	74.03	55.84
5.400	1.4	14.7	107.95	R 86.25	83.04	66.34
5.500	1.6	16.8	105.37	L 91.64	81.05	70.49
5.600	1.4	14.7	107.95	L 86.23	83.04	66.33
5.700	0.8	8.7	96.24	L 72.56	74.03	55.82
5.800	-0.1	-1.1	66.14	L 50.36	50.88	38.74
5.900	-1.5	-14.7	-65.63	L -60.17	-50.49	-46.28
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.000	-3.3	-32.2	-109.68	R -100.81	-84.37	-77.54
6.100	-1.5	-14.7	-65.63	R -60.20	-50.49	-46.30
6.200	-0.1	-1.1	66.14	R 49.79	50.88	38.30
6.300	0.8	8.7	96.24	R 72.56	74.03	55.82
6.400	1.4	14.7	107.96	R 86.23	83.04	66.33
6.500	1.6	16.8	105.37	L 91.64	81.05	70.49
6.600	1.4	14.7	107.95	L 86.25	83.04	66.34
6.700	0.9	8.8	96.24	L 72.59	74.03	55.84
6.800	-0.1	-0.9	66.14	L 50.40	50.88	38.77
6.900	-1.5	-14.5	-65.63	L -60.06	-50.49	-46.20
7.000	-3.2	-32.0	-109.68	L -100.68	-84.37	-77.45

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-32.0	-109.68 L	-100.68	-84.37	-77.45
7.100	-1.5	-14.6	-65.63 R	-60.13	-50.49	-46.25
7.200	-0.1	-1.0	66.14 R	49.81	50.88	38.32
7.300	0.8	8.7	96.24 R	72.53	74.03	55.79
7.400	1.4	14.5	107.96 R	86.15	83.04	66.27
7.500	1.6	16.5	105.37 L	91.50	81.05	70.38
7.600	1.4	14.4	107.95 L	86.05	83.04	66.19
7.700	0.8	8.4	96.23 L	72.33	74.03	55.64
7.800	-0.2	-1.5	66.13 L	50.09	50.87	38.53
7.900	-1.6	-15.2	-65.61 L	-60.24	-50.47	-46.34
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.000	-3.3	-32.7	-109.67 R	-100.89	-84.36	-77.60
8.100	-1.5	-15.0	-65.64 R	-60.23	-50.49	-46.33
8.200	-0.1	-1.1	66.14 R	49.79	50.88	38.30
8.300	0.9	9.0	96.23 R	72.61	74.03	55.85
8.400	1.5	15.2	107.95 R	86.32	83.04	66.40
8.500	1.7	17.5	105.35 L	91.75	81.04	70.58
8.600	1.6	15.7	107.91 L	86.39	83.01	66.46
8.700	1.0	10.0	96.18 L	72.77	73.98	55.97
8.800	0.1	0.5	66.06 L	50.62	50.82	38.94
8.900	-1.2	-12.8	-65.31 L	-58.83	-50.24	-45.25
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.000	-2.9	-30.0	-109.54 R	-99.28	-84.26	-76.37
9.100	-1.3	-13.5	-65.66 R	-59.38	-50.51	-45.68
9.200	-0.1	-0.9	66.18 R	49.84	50.90	38.34
9.300	0.7	7.8	95.90 R	71.92	73.77	55.32
9.400	1.1	12.8	107.17 R	84.82	82.44	65.25
9.500	1.2	13.9	105.00 R	89.43	80.77	68.79
9.600	0.8	10.8	107.38 L	83.25	82.60	64.04
9.700	0.1	3.9	95.41 L	68.82	73.39	52.94
9.800	-1.0	-6.9	65.10 L	46.06	50.07	35.43
9.900	-2.6	-21.5	-75.60 L	-65.17	-58.15	-50.13
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-114.96 R	-106.66	-88.43	-82.05
10.100	-2.0	-18.5	-69.02 R	-64.38	-53.10	-49.53
10.200	0.1	-0.9	71.18 R	52.92	54.76	40.70
10.300	1.7	12.9	110.76 R	80.07	85.20	61.59
10.400	2.8	22.8	128.16 R	98.93	98.59	76.10
10.500	3.5	28.9	134.99 R	110.27	103.84	84.83
10.600	3.7	30.8	143.13 R	110.70	110.10	85.15
10.700	3.5	28.9	142.83 R	101.42	109.87	78.01
10.800	2.8	23.1	121.14 R	79.47	93.18	61.13
10.900	1.6	13.5	74.46 R	46.51	57.28	35.77
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
8	1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
5	1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
0	1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
2	1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
0	1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
3	1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
2	1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
9	1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
2	1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2	2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2	2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
6	2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
7	2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2	2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
7	2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
5	2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2	2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
6	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
8	2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	4.63	48.05	4.09	53.84	HS 81.75	147.2
1.200	2.76	24.80	2.42	27.69	HS 48.47	87.2
1.300	2.29	16.84	2.01	18.77	HS 40.20	72.4
1.400	2.27	12.71	1.99	14.16	HS 39.82	71.7
1.500	2.42	10.11	2.13	11.26	HS 42.53	76.6
1.600	2.61	8.26	2.29	9.23	HS 45.85	82.5
1.700	3.12	6.85	2.75	7.68	HS 55.05	99.1
1.800	5.06	5.72	4.50	6.44	HS 89.98	162.0
1.900	14.47	4.33	12.94	4.91	HS 86.62	155.9
2.000	21.67	2.38	19.51	2.72	HS 47.54	85.6
2.000	18.50	1.94	16.79	2.21	HS 38.76	69.8
2.100	13.58	3.23	12.24	3.66	HS 64.70	116.5
2.200	4.74	4.21	4.25	4.72	HS 84.17	151.5
2.300	3.11	5.30	2.77	5.92	HS 55.49	99.9
2.400	2.69	6.85	2.39	7.63	HS 47.88	86.2
2.500	2.72	9.34	2.41	10.39	HS 48.31	87.0
2.600	2.68	8.43	2.38	9.38	HS 47.54	85.6
2.700	3.05	6.57	2.71	7.32	HS 54.25	97.6
2.800	4.56	5.26	4.08	5.88	HS 81.51	146.7
2.900	11.14	3.87	10.01	4.35	HS 77.30	139.1
3.000	15.00	2.15	13.56	2.44	HS 43.04	77.5
3.000	15.00	2.15	13.56	2.44	HS 43.04	77.5
3.100	10.89	3.90	9.78	4.39	HS 77.97	140.3
3.200	4.54	5.34	4.06	5.98	HS 81.14	146.0
3.300	3.01	6.68	2.68	7.45	HS 53.56	96.4
3.400	2.63	8.59	2.33	9.55	HS 46.59	83.9
3.500	2.67	11.54	2.37	12.82	HS 47.35	85.2
3.600	2.63	8.49	2.33	9.44	HS 46.69	84.0
3.700	3.02	6.59	2.69	7.35	HS 53.79	96.8
3.800	4.56	5.25	4.08	5.88	HS 81.60	146.9
3.900	11.37	3.84	10.22	4.33	HS 76.83	138.3
4.000	18.42	2.12	16.67	2.41	HS 42.43	76.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
4.000	18.42	2.12	16.67	2.41	HS 42.43	76.4
4.100	11.24	3.84	10.10	4.33	HS 76.79	138.2
4.200	4.57	5.24	4.09	5.87	HS 81.75	147.1
4.300	3.03	6.57	2.70	7.33	HS 53.93	97.1
4.400	2.64	8.46	2.34	9.41	HS 46.85	84.3
4.500	2.68	11.31	2.38	12.57	HS 47.55	85.6
4.600	2.64	8.47	2.34	9.42	HS 46.82	84.3
4.700	3.03	6.58	2.69	7.34	HS 53.86	96.9
4.800	4.56	5.25	4.08	5.88	HS 81.59	146.9
4.900	11.26	3.85	10.12	4.34	HS 76.97	138.6
5.000	18.08	2.13	16.36	2.42	HS 42.58	76.6
5.000	18.08	2.13	16.36	2.42	HS 42.58	76.6
5.100	11.07	3.85	9.95	4.34	HS 76.99	138.6
5.200	4.56	5.26	4.08	5.88	HS 81.55	146.8
5.300	3.02	6.59	2.69	7.34	HS 53.82	96.9
5.400	2.63	8.47	2.34	9.42	HS 46.78	84.2
5.500	2.68	11.35	2.38	12.61	HS 47.50	85.5
5.600	2.64	8.47	2.34	9.42	HS 46.79	84.2
5.700	3.03	6.58	2.69	7.34	HS 53.84	96.9
5.800	4.56	5.25	4.08	5.88	HS 81.61	146.9
5.900	11.29	3.85	10.15	4.33	HS 76.92	138.5
6.000	18.18	2.13	16.45	2.42	HS 42.52	76.5
6.000	18.18	2.13	16.45	2.42	HS 42.52	76.5
6.100	11.10	3.85	9.98	4.33	HS 76.92	138.5
6.200	4.56	5.25	4.08	5.88	HS 81.60	146.9
6.300	3.03	6.58	2.69	7.34	HS 53.84	96.9
6.400	2.64	8.47	2.34	9.42	HS 46.79	84.2
6.500	2.68	11.35	2.38	12.61	HS 47.50	85.5
6.600	2.63	8.47	2.34	9.42	HS 46.78	84.2
6.700	3.02	6.59	2.69	7.34	HS 53.82	96.9
6.800	4.56	5.26	4.08	5.88	HS 81.55	146.8
6.900	11.26	3.85	10.12	4.34	HS 76.99	138.6
7.000	18.08	2.13	16.36	2.42	HS 42.58	76.6

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	18.08	2.13	16.36	2.42	HS 42.58	76.6
7.100	11.07	3.85	9.95	4.34	HS 76.97	138.6
7.200	4.56	5.25	4.08	5.88	HS 81.59	146.9
7.300	3.03	6.58	2.69	7.34	HS 53.86	96.9
7.400	2.64	8.47	2.34	9.42	HS 46.82	84.3
7.500	2.68	11.31	2.38	12.56	HS 47.55	85.6
7.600	2.64	8.46	2.34	9.41	HS 46.85	84.3
7.700	3.03	6.57	2.70	7.33	HS 53.93	97.1
7.800	4.57	5.24	4.09	5.87	HS 81.75	147.1
7.900	11.43	3.84	10.28	4.33	HS 76.79	138.2
8.000	18.42	2.12	16.67	2.41	HS 42.43	76.4
8.000	18.42	2.12	16.67	2.41	HS 42.43	76.4
8.100	11.18	3.84	10.05	4.33	HS 76.83	138.3
8.200	4.56	5.25	4.08	5.88	HS 81.60	146.9
8.300	3.02	6.59	2.69	7.35	HS 53.79	96.8
8.400	2.63	8.49	2.33	9.44	HS 46.69	84.0
8.500	2.67	11.54	2.37	12.82	HS 47.35	85.2
8.600	2.63	8.59	2.33	9.55	HS 46.59	83.9
8.700	3.01	6.68	2.68	7.45	HS 53.56	96.4
8.800	4.54	5.34	4.06	5.98	HS 81.14	146.0
8.900	11.07	3.90	9.95	4.39	HS 77.97	140.3
9.000	15.00	2.15	13.56	2.44	HS 43.04	77.5
9.000	15.00	2.15	13.56	2.44	HS 43.04	77.5
9.100	10.95	3.87	9.84	4.35	HS 77.30	139.1
9.200	4.56	5.26	4.08	5.88	HS 81.51	146.7
9.300	3.05	6.57	2.71	7.32	HS 54.25	97.6
9.400	2.68	8.43	2.38	9.38	HS 47.54	85.6
9.500	2.72	9.34	2.41	10.39	HS 48.31	87.0
9.600	2.69	6.85	2.39	7.63	HS 47.88	86.2
9.700	3.11	5.30	2.77	5.92	HS 55.49	99.9
9.800	4.74	4.21	4.25	4.72	HS 84.17	151.5
9.900	13.85	3.23	12.49	3.66	HS 64.70	116.5
10.000	18.50	1.95	16.79	2.23	HS 39.01	70.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	21.67	1.95	16.79	2.74	HS 39.01	70.2
10.100	14.20	4.33	12.70	4.91	HS 86.62	155.9
10.200	5.06	5.72	4.50	6.44	HS 89.98	162.0
10.300	3.12	6.85	2.75	7.68	HS 55.05	99.1
10.400	2.61	8.26	2.29	9.23	HS 45.85	82.5
10.500	2.42	10.11	2.13	11.26	HS 42.53	76.6
10.600	2.27	12.71	1.99	14.16	HS 39.82	71.7
10.700	2.29	16.84	2.01	18.77	HS 40.20	72.4
10.800	2.76	24.80	2.42	27.69	HS 48.47	87.2
10.900	4.63	48.05	4.09	53.84	HS 81.75	147.2
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
1.000	0.7	6.2	35.63	27.51	27.41	21.16
1.100	0.6	4.6	29.78	23.60	22.91	18.15
1.200	0.4	3.1	24.23	19.88	18.64	15.29
1.300	0.2	1.5	19.04	16.39	14.65	12.61
1.400	0.0	0.0	14.31	13.14	11.01	10.11
1.500	-0.2	-1.6	-16.77	-15.50	-12.90	-11.92
1.600	-0.4	-3.2	-20.25	-18.55	-15.58	-14.27
1.700	-0.5	-4.7	-25.94	-21.53	-19.95	-16.56
1.800	-0.7	-6.3	-31.40	-24.42	-24.15	-18.78
1.900	-0.9	-7.8	-36.40	-27.15	-28.00	-20.89
2.000	-1.1	-9.4	-40.86	-29.69	-31.43	-22.84
2.000	0.8	-9.4	38.90	29.41	29.92	22.63
2.100	0.7	6.6	33.68	26.57	25.90	20.44
2.200	0.5	5.1	28.40	23.46	21.85	18.05
2.300	0.4	3.5	23.00	20.18	17.69	15.53
2.400	0.2	2.0	18.91	16.86	14.54	12.97
2.500	0.1	0.5	14.79	13.59	11.38	10.45
2.600	-0.1	-1.2	-18.64	-16.43	-14.34	-12.64
2.700	-0.2	-2.7	-22.82	-19.76	-17.55	-15.20
2.800	-0.4	-4.3	-28.19	-23.05	-21.69	-17.73
2.900	-0.6	-5.8	-33.45	-26.18	-25.73	-20.14
3.000	-0.7	-7.3	-38.37	-29.05	-29.52	-22.35
3.000	0.8	7.7	38.42	29.25	29.56	22.50
3.100	0.6	6.1	33.52	26.39	25.78	20.30
3.200	0.5	4.6	28.27	23.26	21.74	17.90
3.300	0.3	3.0	22.89	19.98	17.61	15.37
3.400	0.1	1.5	18.67	16.66	14.36	12.81
3.500	0.0	-0.1	14.60	-13.48	11.23	-10.37
3.600	-0.2	-1.7	-18.67	-16.74	-14.36	-12.88
3.700	-0.3	-3.2	-22.88	-20.07	-17.60	-15.44
3.800	-0.5	-4.8	-28.26	-23.35	-21.74	-17.96
3.900	-0.6	-6.3	-33.51	-26.48	-25.78	-20.37
4.000	-0.8	-7.9	-38.42	-29.34	-29.55	-22.57

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	38.42	29.33	29.56	22.56
4.100	0.6	6.2	33.51	26.47	25.78	20.36
4.200	0.5	4.7	28.26	23.34	21.74	17.95
4.300	0.3	3.2	22.89	20.06	17.61	15.43
4.400	0.2	1.6	18.67	16.73	14.36	12.87
4.500	0.0	0.1	14.61	13.47	11.23	10.36
4.600	-0.2	-1.6	-18.67	-16.71	-14.36	-12.85
4.700	-0.3	-3.1	-22.89	-20.03	-17.61	-15.41
4.800	-0.5	-4.7	-28.26	-23.31	-21.74	-17.93
4.900	-0.6	-6.2	-33.51	-26.44	-25.78	-20.34
5.000	-0.8	-7.7	-38.42	-29.30	-29.56	-22.54
5.000	0.8	7.7	38.42	29.31	29.56	22.55
5.100	0.6	6.2	33.51	26.45	25.78	20.35
5.200	0.5	4.7	28.26	23.33	21.74	17.94
5.300	0.3	3.1	22.89	20.05	17.61	15.42
5.400	0.2	1.6	18.67	16.72	14.36	12.86
5.500	0.0	0.1	14.61	-13.46	11.24	-10.36
5.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
5.700	-0.3	-3.2	-22.89	-20.05	-17.61	-15.43
5.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
5.900	-0.6	-6.2	-33.51	-26.46	-25.78	-20.36
6.000	-0.8	-7.8	-38.42	-29.32	-29.56	-22.56
6.000	0.8	7.8	38.42	29.32	29.56	22.56
6.100	0.6	6.2	33.51	26.46	25.78	20.36
6.200	0.5	4.7	28.26	23.34	21.74	17.95
6.300	0.3	3.2	22.89	20.05	17.61	15.43
6.400	0.2	1.6	18.67	16.73	14.36	12.87
6.500	0.0	0.1	14.61	13.46	11.24	10.36
6.600	-0.2	-1.6	-18.67	-16.72	-14.36	-12.86
6.700	-0.3	-3.1	-22.89	-20.05	-17.61	-15.42
6.800	-0.5	-4.7	-28.26	-23.33	-21.74	-17.94
6.900	-0.6	-6.2	-33.51	-26.45	-25.78	-20.35
7.000	-0.8	-7.7	-38.42	-29.31	-29.56	-22.55

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	38.42	29.30	29.56	22.54
7.100	0.6	6.2	33.51	26.44	25.78	20.34
7.200	0.5	4.7	28.26	23.31	21.74	17.93
7.300	0.3	3.1	22.89	20.03	17.61	15.41
7.400	0.2	1.6	18.67	16.71	14.36	12.85
7.500	0.0	0.1	14.61	-13.47	-11.24	-10.36
7.600	-0.2	-1.6	-18.67	-16.73	-14.36	-12.87
7.700	-0.3	-3.2	-22.89	-20.06	-17.61	-15.43
7.800	-0.5	-4.7	-28.26	-23.34	-21.74	-17.95
7.900	-0.6	-6.2	-33.51	-26.47	-25.78	-20.36
8.000	-0.8	-7.8	-38.42	-29.33	-29.56	-22.56
8.000	0.8	7.9	38.42	29.34	29.55	22.57
8.100	0.6	6.3	33.51	26.48	25.78	20.37
8.200	0.5	4.8	28.26	23.35	21.74	17.96
8.300	0.3	3.2	22.88	20.07	17.60	15.44
8.400	0.2	1.7	18.67	16.74	14.36	12.88
8.500	0.0	0.2	14.60	13.48	11.23	10.37
8.600	-0.1	-1.5	-18.67	-16.66	-14.36	-12.81
8.700	-0.3	-3.0	-22.89	-19.98	-17.61	-15.37
8.800	-0.5	-4.6	-28.27	-23.26	-21.74	-17.90
8.900	-0.6	-6.1	-33.52	-26.39	-25.78	-20.30
9.000	-0.8	-7.7	-38.42	-29.25	-29.56	-22.50
9.000	0.7	-7.7	38.37	29.05	29.52	22.35
9.100	0.6	5.8	33.45	26.18	25.73	20.14
9.200	0.4	4.3	28.19	23.05	21.69	17.73
9.300	0.2	2.7	22.82	19.76	17.55	15.20
9.400	0.1	1.2	18.64	16.43	14.34	12.64
9.500	-0.1	-0.4	-14.79	-13.59	-11.38	-10.45
9.600	-0.2	-2.0	-18.91	-16.86	-14.54	-12.97
9.700	-0.4	-3.5	-23.00	-20.18	-17.69	-15.53
9.800	-0.5	-5.1	-28.40	-23.46	-21.85	-18.05
9.900	-0.7	-6.6	-33.68	-26.57	-25.90	-20.44
10.000	-0.8	-8.1	-38.59	-29.41	-29.69	-22.63

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
10.000	1.1	9.4	40.86	29.69	31.43	22.84
10.100	0.9	7.8	36.40	27.15	28.00	20.89
10.200	0.7	6.3	31.40	24.42	24.15	18.78
10.300	0.5	4.7	25.94	21.53	19.95	16.56
10.400	0.4	3.2	20.25	18.55	15.58	14.27
10.500	0.2	1.7	16.77	15.50	12.90	11.92
10.600	0.0	0.0	-14.31	-13.14	-11.01	-10.11
10.700	-0.2	-1.5	-19.04	-16.39	-14.65	-12.61
10.800	-0.4	-3.1	-24.23	-19.88	-18.64	-15.29
10.900	-0.6	-4.6	-29.78	-23.60	-22.91	-18.15
11.000	-0.7	-6.2	-35.63	-27.51	-27.41	-21.16

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	52.21	3.52	HS 70.43	126.8
1.100	39.06	4.27	HS 85.42	153.8
1.200	20.78	5.32	HS 106.43	191.6
1.300	13.82	6.86	HS 137.20	247.0
1.400	10.38	9.25	HS 184.96	332.9
1.500	7.79	12.42	HS 155.86	280.5
1.600	6.36	18.10	HS 127.23	229.0
1.700	4.90	26.67	HS 98.00	176.4
1.800	3.99	44.27	HS 79.85	143.7
1.900	3.40	94.49	HS 67.94	122.3
2.000	2.98	199.80	HS 59.68	107.4
2.000	2.98	2.76	HS 55.21	99.4
2.100	37.10	3.24	HS 64.78	116.6
2.200	26.15	3.90	HS 77.99	140.4
2.300	16.74	4.89	HS 97.81	176.1
2.400	11.81	6.04	HS 120.75	217.4
2.500	8.03	7.83	HS 156.65	282.0
2.600	6.17	11.24	HS 123.47	222.3
2.700	4.97	15.72	HS 99.36	178.9
2.800	3.96	23.97	HS 79.23	142.6
2.900	3.29	29.16	HS 65.77	118.4
3.000	2.82	27.82	HS 56.45	101.6
3.000	2.82	2.81	HS 56.20	101.2
3.100	34.26	3.27	HS 65.44	117.8
3.200	24.41	3.94	HS 78.78	141.8
3.300	15.95	4.94	HS 98.76	177.8
3.400	11.38	6.15	HS 122.92	221.3
3.500	7.97	7.97	HS 159.31	286.8
3.600	6.13	11.50	HS 122.64	220.8
3.700	4.93	16.17	HS 98.58	177.4
3.800	3.93	24.90	HS 78.63	141.5
3.900	3.27	35.35	HS 65.30	117.5
4.000	2.80	34.06	HS 56.07	100.9

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	2.80	2.81	HS 56.07	100.9
4.100	34.69	3.27	HS 65.35	117.6
4.200	24.62	3.93	HS 78.68	141.6
4.300	16.05	4.93	HS 98.64	177.5
4.400	11.44	6.14	HS 122.73	220.9
4.500	7.97	7.96	HS 159.22	286.6
4.600	6.14	11.40	HS 122.80	221.0
4.700	4.93	15.99	HS 98.70	177.7
4.800	3.94	24.48	HS 78.73	141.7
4.900	3.27	34.44	HS 65.39	117.7
5.000	2.81	33.21	HS 56.15	101.1
5.000	2.81	2.81	HS 56.14	101.0
5.100	34.47	3.27	HS 65.37	117.7
5.200	24.50	3.94	HS 78.71	141.7
5.300	16.00	4.93	HS 98.68	177.6
5.400	11.41	6.14	HS 122.77	221.0
5.500	7.97	7.96	HS 159.28	286.7
5.600	6.14	11.42	HS 122.75	220.9
5.700	4.93	16.02	HS 98.66	177.6
5.800	3.93	24.55	HS 78.70	141.7
5.900	3.27	34.56	HS 65.36	117.6
6.000	2.81	33.31	HS 56.13	101.0
6.000	2.81	2.81	HS 56.13	101.0
6.100	34.56	3.27	HS 65.36	117.6
6.200	24.55	3.93	HS 78.70	141.7
6.300	16.02	4.93	HS 98.66	177.6
6.400	11.42	6.14	HS 122.75	220.9
6.500	7.97	7.96	HS 159.25	286.6
6.600	6.14	11.41	HS 122.77	221.0
6.700	4.93	16.00	HS 98.68	177.6
6.800	3.94	24.50	HS 78.71	141.7
6.900	3.27	34.47	HS 65.37	117.7
7.000	2.81	33.23	HS 56.14	101.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	2.81	2.81	HS 56.14	101.0
7.100	34.44	3.27	HS 65.39	117.7
7.200	24.48	3.94	HS 78.73	141.7
7.300	15.99	4.93	HS 98.70	177.7
7.400	11.40	6.14	HS 122.80	221.0
7.500	7.97	7.97	HS 159.31	286.8
7.600	6.14	11.44	HS 122.73	220.9
7.700	4.93	16.05	HS 98.64	177.5
7.800	3.93	24.62	HS 78.68	141.6
7.900	3.27	34.69	HS 65.35	117.6
8.000	2.81	33.44	HS 56.11	101.0
8.000	2.81	2.80	HS 56.07	100.9
8.100	35.35	3.27	HS 65.30	117.5
8.200	24.90	3.93	HS 78.63	141.5
8.300	16.17	4.93	HS 98.58	177.4
8.400	11.50	6.13	HS 122.64	220.8
8.500	7.98	7.96	HS 159.13	286.4
8.600	6.15	11.38	HS 122.92	221.3
8.700	4.94	15.95	HS 98.76	177.8
8.800	3.94	24.41	HS 78.78	141.8
8.900	3.27	34.26	HS 65.44	117.8
9.000	2.81	33.05	HS 56.20	101.2
9.000	2.81	2.82	HS 56.20	101.2
9.100	30.30	3.29	HS 65.77	118.4
9.200	23.97	3.96	HS 79.23	142.6
9.300	15.72	4.97	HS 99.36	178.9
9.400	11.24	6.17	HS 123.47	222.3
9.500	7.84	8.02	HS 156.83	282.3
9.600	6.04	11.81	HS 120.75	217.4
9.700	4.89	16.74	HS 97.81	176.1
9.800	3.90	26.15	HS 77.99	140.4
9.900	3.24	35.55	HS 64.78	116.6
10.000	2.78	33.69	HS 55.65	100.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	2.78	2.98	HS 55.65	100.2
10.100	94.49	3.40	HS 67.94	122.3
10.200	44.27	3.99	HS 79.85	143.7
10.300	26.67	4.90	HS 98.00	176.4
10.400	18.10	6.36	HS 127.23	229.0
10.500	12.43	7.78	HS 155.70	280.3
10.600	9.25	10.38	HS 184.96	332.9
10.700	6.86	13.82	HS 137.20	247.0
10.800	5.32	20.78	HS 106.43	191.6
10.900	4.27	39.06	HS 85.42	153.8
11.000	3.52	50.62	HS 70.43	126.8

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
 Rating Live Load: HS20

Span g tt.	Moment Capacity		Capacity		Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.100 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
3.200 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
3.300 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
3.400 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
3.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
3.600 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
3.700 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
3.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
3.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
 Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.100	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
63.2								
6.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.300	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
89.0								
6.400	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
95.5								
6.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
6.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
6.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
6.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
6.900	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
63.4								
7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
44.2								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
7.100 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
7.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
7.300 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
7.400 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
7.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
7.600 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
7.700 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
7.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
7.900 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.100 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
8.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
8.300 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
8.400 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
8.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
8.600 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
8.700 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
8.800 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
8.900 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
9.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
9.100	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
64.5								
9.200	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
9.300	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
87.9								
9.400	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
93.3								
9.500	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
94.4								
9.600	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
9.700	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
83.3								
9.800	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
71.4								
9.900	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
55.3								
10.000	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
35.0								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	4.26	49.89	4.26	49.89	HS 85.18	153.3
1.200	2.53	25.72	2.53	25.72	HS 50.58	91.0
1.300	2.10	17.45	2.10	17.45	HS 41.99	75.6
1.400	2.08	13.17	2.08	13.17	HS 41.60	74.9
1.500	2.22	10.47	2.22	10.47	HS 44.42	80.0
1.600	2.39	8.57	2.39	8.57	HS 47.85	86.1
1.700	2.87	7.12	2.87	7.12	HS 57.36	103.2
1.800	4.68	5.95	4.68	5.95	HS 93.57	168.4
1.900	13.42	4.52	13.42	4.52	HS 90.32	162.6
2.000	20.19	2.49	20.19	2.49	HS 49.75	89.5
2.000	17.36	2.03	17.36	2.03	HS 40.62	73.1
2.100	12.69	3.38	12.69	3.38	HS 67.55	121.6
2.200	4.41	4.38	4.41	4.38	HS 87.64	157.7
2.300	2.89	5.51	2.89	5.51	HS 57.74	103.9
2.400	2.49	7.11	2.49	7.11	HS 49.88	89.8
2.500	2.52	9.69	2.52	9.69	HS 50.35	90.6
2.600	2.48	8.75	2.48	8.75	HS 49.55	89.2
2.700	2.82	6.82	2.82	6.82	HS 56.49	101.7
2.800	4.24	5.47	4.24	5.47	HS 84.76	152.6
2.900	10.39	4.03	10.39	4.03	HS 80.57	145.0
3.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
3.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
3.100	10.15	4.06	10.15	4.06	HS 81.26	146.3
3.200	4.22	5.55	4.22	5.55	HS 84.39	151.9
3.300	2.79	6.94	2.79	6.94	HS 55.80	100.4
3.400	2.43	8.91	2.43	8.91	HS 48.58	87.4
3.500	2.47	11.97	2.47	11.97	HS 49.39	88.9
3.600	2.43	8.81	2.43	8.81	HS 48.68	87.6
3.700	2.80	6.84	2.80	6.84	HS 56.02	100.8
3.800	4.24	5.46	4.24	5.46	HS 84.85	152.7
3.900	10.60	4.01	10.60	4.01	HS 80.11	144.2
4.000	17.26	2.22	17.26	2.22	HS 44.38	79.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	17.26	2.22	17.26	2.22	HS 44.38	79.9
4.100	10.48	4.00	10.48	4.00	HS 80.07	144.1
4.200	4.25	5.46	4.25	5.46	HS 85.00	153.0
4.300	2.81	6.83	2.81	6.83	HS 56.16	101.1
4.400	2.44	8.78	2.44	8.78	HS 48.84	87.9
4.500	2.48	11.73	2.48	11.73	HS 49.59	89.3
4.600	2.44	8.79	2.44	8.79	HS 48.81	87.9
4.700	2.80	6.84	2.80	6.84	HS 56.09	101.0
4.800	4.24	5.47	4.24	5.47	HS 84.84	152.7
4.900	10.51	4.01	10.51	4.01	HS 80.25	144.4
5.000	16.93	2.23	16.93	2.23	HS 44.53	80.2
5.000	16.93	2.23	16.93	2.23	HS 44.53	80.2
5.100	10.33	4.01	10.33	4.01	HS 80.27	144.5
5.200	4.24	5.47	4.24	5.47	HS 84.80	152.6
5.300	2.80	6.84	2.80	6.84	HS 56.05	100.9
5.400	2.44	8.79	2.44	8.79	HS 48.77	87.8
5.500	2.48	11.77	2.48	11.77	HS 49.54	89.2
5.600	2.44	8.79	2.44	8.79	HS 48.78	87.8
5.700	2.80	6.84	2.80	6.84	HS 56.08	100.9
5.800	4.24	5.46	4.24	5.46	HS 84.85	152.7
5.900	10.53	4.01	10.53	4.01	HS 80.20	144.4
6.000	17.03	2.22	17.03	2.22	HS 44.48	80.1
6.000	17.03	2.22	17.03	2.22	HS 44.48	80.1
6.100	10.36	4.01	10.36	4.01	HS 80.20	144.4
6.200	4.24	5.46	4.24	5.46	HS 84.85	152.7
6.300	2.80	6.84	2.80	6.84	HS 56.08	100.9
6.400	2.44	8.79	2.44	8.79	HS 48.78	87.8
6.500	2.48	11.77	2.48	11.77	HS 49.54	89.2
6.600	2.44	8.79	2.44	8.79	HS 48.77	87.8
6.700	2.80	6.84	2.80	6.84	HS 56.05	100.9
6.800	4.24	5.47	4.24	5.47	HS 84.80	152.6
6.900	10.50	4.01	10.50	4.01	HS 80.27	144.5
7.000	16.93	2.23	16.93	2.23	HS 44.53	80.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	16.93	2.23	16.93	2.23	HS 44.53	80.2
7.100	10.33	4.01	10.33	4.01	HS 80.25	144.4
7.200	4.24	5.47	4.24	5.47	HS 84.84	152.7
7.300	2.80	6.84	2.80	6.84	HS 56.09	101.0
7.400	2.44	8.79	2.44	8.79	HS 48.81	87.9
7.500	2.48	11.73	2.48	11.73	HS 49.59	89.3
7.600	2.44	8.78	2.44	8.78	HS 48.84	87.9
7.700	2.81	6.83	2.81	6.83	HS 56.16	101.1
7.800	4.25	5.46	4.25	5.46	HS 85.00	153.0
7.900	10.67	4.00	10.67	4.00	HS 80.07	144.1
8.000	17.26	2.22	17.26	2.22	HS 44.38	79.9
8.000	17.26	2.22	17.26	2.22	HS 44.38	79.9
8.100	10.43	4.01	10.43	4.01	HS 80.11	144.2
8.200	4.24	5.46	4.24	5.46	HS 84.85	152.7
8.300	2.80	6.84	2.80	6.84	HS 56.02	100.8
8.400	2.43	8.81	2.43	8.81	HS 48.68	87.6
8.500	2.47	11.97	2.47	11.97	HS 49.39	88.9
8.600	2.43	8.91	2.43	8.91	HS 48.58	87.4
8.700	2.79	6.94	2.79	6.94	HS 55.80	100.4
8.800	4.22	5.55	4.22	5.55	HS 84.39	151.9
8.900	10.32	4.06	10.32	4.06	HS 81.26	146.3
9.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
9.000	14.05	2.25	14.05	2.25	HS 45.00	81.0
9.100	10.21	4.03	10.21	4.03	HS 80.57	145.0
9.200	4.24	5.47	4.24	5.47	HS 84.76	152.6
9.300	2.82	6.82	2.82	6.82	HS 56.49	101.7
9.400	2.48	8.75	2.48	8.75	HS 49.55	89.2
9.500	2.52	9.69	2.52	9.69	HS 50.35	90.6
9.600	2.49	7.11	2.49	7.11	HS 49.88	89.8
9.700	2.89	5.51	2.89	5.51	HS 57.74	103.9
9.800	4.41	4.38	4.41	4.38	HS 87.64	157.7
9.900	12.94	3.38	12.94	3.38	HS 67.55	121.6
10.000	17.36	2.04	17.36	2.04	HS 40.88	73.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	17.36	2.04	17.36	2.04	HS 40.88	73.6
10.100	13.18	4.52	13.18	4.52	HS 90.32	162.6
10.200	4.68	5.95	4.68	5.95	HS 93.57	168.4
10.300	2.87	7.12	2.87	7.12	HS 57.36	103.2
10.400	2.39	8.57	2.39	8.57	HS 47.85	86.1
10.500	2.22	10.47	2.22	10.47	HS 44.42	80.0
10.600	2.08	13.17	2.08	13.17	HS 41.60	74.9
10.700	2.10	17.45	2.10	17.45	HS 41.99	75.6
10.800	2.53	25.72	2.53	25.72	HS 50.58	91.0
10.900	4.26	49.89	4.26	49.89	HS 85.18	153.3
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	44.64 R	0.00	34.34	0.00
1.200	2.8	23.1	74.91 R	0.00	57.62	0.00
1.300	3.5	28.9	91.71 R	0.00	70.54	0.00
1.400	3.7	30.8	96.32 R	0.00	74.09	0.00
1.500	3.5	28.9	92.20 L	0.00	70.92	0.00
1.600	2.8	22.8	86.60 L	0.00	66.61	0.00
1.700	1.7	12.9	70.45 L	0.00	54.19	0.00
1.800	0.1	-0.9	45.75 L	0.00	35.19	0.00
1.900	-2.0	-18.5	-40.83 R	0.00	-31.41	0.00
2.000	-4.5	-40.0	-49.96 L	0.00	-38.43	0.00
2.000	-4.5	-40.0	-49.96 L	0.00	-38.43	0.00
2.100	-2.6	-21.5	-43.62 L	0.00	-33.56	0.00
2.200	-1.0	-6.9	42.08 R	0.00	32.37	0.00
2.300	0.1	3.9	62.30 R	0.00	47.93	0.00
2.400	0.8	10.8	73.40 R	0.00	56.46	0.00
2.500	1.2	13.9	74.76 R	0.00	57.51	0.00
2.600	1.1	12.8	73.61 L	0.00	56.63	0.00
2.700	0.7	7.8	62.78 L	0.00	48.29	0.00
2.800	-0.1	-0.9	42.73 L	0.00	32.87	0.00
2.900	-1.3	-13.5	-38.85 R	0.00	-29.89	0.00
3.000	-2.9	-30.0	-44.52 R	0.00	-34.25	0.00
3.000	-2.9	-30.0	-44.52 R	0.00	-34.25	0.00
3.100	-1.2	-12.8	-38.64 L	0.00	-29.72	0.00
3.200	0.1	0.5	42.67 R	0.00	32.83	0.00
3.300	1.0	10.0	62.83 R	0.00	48.33	0.00
3.400	1.6	15.7	73.79 R	0.00	56.76	0.00
3.500	1.7	17.5	75.01 R	0.00	57.70	0.00
3.600	1.5	15.2	73.80 L	0.00	56.77	0.00
3.700	0.9	9.0	62.86 L	0.00	48.35	0.00
3.800	-0.1	-1.1	42.72 L	0.00	32.86	0.00
3.900	-1.5	-15.0	-38.82 R	0.00	-29.86	0.00
4.000	-3.3	-32.7	-44.46 R	0.00	-34.20	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-44.46 R 0.00	-34.20 0.00
4.100	-1.6	-15.2	-38.81 L 0.00	-29.85 0.00
4.200	-0.2	-1.5	42.72 R 0.00	32.86 0.00
4.300	0.8	8.4	62.86 R 0.00	48.36 0.00
4.400	1.4	14.4	73.82 R 0.00	56.78 0.00
4.500	1.6	16.5	75.03 R 0.00	57.71 0.00
4.600	1.4	14.5	73.82 L 0.00	56.78 0.00
4.700	0.8	8.7	62.87 L 0.00	48.36 0.00
4.800	-0.1	-1.0	42.72 L 0.00	32.86 0.00
4.900	-1.5	-14.6	-38.82 R 0.00	-29.86 0.00
5.000	-3.2	-32.0	-44.46 R 0.00	-34.20 0.00
5.000	-3.2	-32.0	-44.46 R 0.00	-34.20 0.00
5.100	-1.5	-14.5	-38.82 L 0.00	-29.86 0.00
5.200	-0.1	-0.9	42.72 R 0.00	32.86 0.00
5.300	0.9	8.8	62.87 R 0.00	48.36 0.00
5.400	1.4	14.7	73.82 R 0.00	56.78 0.00
5.500	1.6	16.8	75.03 L 0.00	57.71 0.00
5.600	1.4	14.7	73.82 L 0.00	56.78 0.00
5.700	0.8	8.7	62.87 L 0.00	48.36 0.00
5.800	-0.1	-1.1	42.72 L 0.00	32.86 0.00
5.900	-1.5	-14.7	-38.82 R 0.00	-29.86 0.00
6.000	-3.3	-32.2	-44.46 L 0.00	-34.20 0.00
6.000	-3.3	-32.2	-44.46 L 0.00	-34.20 0.00
6.100	-1.5	-14.7	-38.82 L 0.00	-29.86 0.00
6.200	-0.1	-1.1	42.72 R 0.00	32.86 0.00
6.300	0.8	8.7	62.87 R 0.00	48.36 0.00
6.400	1.4	14.7	73.82 R 0.00	56.78 0.00
6.500	1.6	16.8	75.03 L 0.00	57.71 0.00
6.600	1.4	14.7	73.82 L 0.00	56.78 0.00
6.700	0.9	8.8	62.87 L 0.00	48.36 0.00
6.800	-0.1	-0.9	42.72 L 0.00	32.86 0.00
6.900	-1.5	-14.5	-38.82 R 0.00	-29.86 0.00
7.000	-3.2	-32.0	-44.46 L 0.00	-34.20 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-32.0	-44.46 L	0.00
7.100	-1.5	-14.6	-38.82 L	0.00
7.200	-0.1	-1.0	42.72 R	0.00
7.300	0.8	8.7	62.87 R	0.00
7.400	1.4	14.5	73.82 R	0.00
7.500	1.6	16.5	75.03 L	0.00
7.600	1.4	14.4	73.82 L	0.00
7.700	0.8	8.4	62.86 L	0.00
7.800	-0.2	-1.5	42.72 L	0.00
7.900	-1.6	-15.2	-38.81 R	0.00
8.000	-3.3	-32.7	-44.46 L	0.00
8.000	-3.3	-32.7	-44.46 L	0.00
8.100	-1.5	-15.0	-38.82 L	0.00
8.200	-0.1	-1.1	42.72 R	0.00
8.300	0.9	9.0	62.86 R	0.00
8.400	1.5	15.2	73.80 R	0.00
8.500	1.7	17.5	75.01 L	0.00
8.600	1.6	15.7	73.79 L	0.00
8.700	1.0	10.0	62.83 L	0.00
8.800	0.1	0.5	42.67 L	0.00
8.900	-1.2	-12.8	-38.64 R	0.00
9.000	-2.9	-30.0	-44.52 L	0.00
9.000	-2.9	-30.0	-44.52 L	0.00
9.100	-1.3	-13.5	-38.85 L	0.00
9.200	-0.1	-0.9	42.73 R	0.00
9.300	0.7	7.8	62.78 R	0.00
9.400	1.1	12.8	73.61 R	0.00
9.500	1.2	13.9	74.76 L	0.00
9.600	0.8	10.8	73.40 L	0.00
9.700	0.1	3.9	62.30 L	0.00
9.800	-1.0	-6.9	42.08 L	0.00
9.900	-2.6	-21.5	-43.62 R	0.00
10.000	-4.5	-40.0	-49.96 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-49.96	R 0.00	-38.43	0.00
10.100	-2.0	-18.5	-40.83	L 0.00	-31.41	0.00
10.200	0.1	-0.9	45.75	R 0.00	35.19	0.00
10.300	1.7	12.9	70.45	R 0.00	54.19	0.00
10.400	2.8	22.8	86.60	R 0.00	66.61	0.00
10.500	3.5	28.9	92.20	R 0.00	70.92	0.00
10.600	3.7	30.8	96.32	L 0.00	74.09	0.00
10.700	3.5	28.9	91.71	L 0.00	70.54	0.00
10.800	2.8	23.1	74.91	L 0.00	57.62	0.00
10.900	1.6	13.5	44.64	L 0.00	34.34	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	7.72	73.73	6.82	82.61	0.00
1.200	4.46	38.05	3.92	42.49	0.00
1.300	3.57	25.84	3.13	28.80	0.00
1.400	3.38	19.50	2.96	21.72	0.00
1.500	3.55	15.51	3.11	17.28	0.00
1.600	3.86	12.68	3.39	14.15	0.00
1.700	4.90	10.52	4.33	11.78	0.00
1.800	7.88	8.78	7.00	9.89	0.00
1.900	25.55	7.32	22.85	8.31	0.00
2.000	33.24	5.50	29.93	6.31	0.00
2.000	28.39	4.49	25.76	5.13	0.00
2.100	22.54	5.61	20.32	6.34	0.00
2.200	7.33	6.99	6.57	7.85	0.00
2.300	4.76	8.81	4.25	9.84	0.00
2.400	3.94	11.38	3.50	12.68	0.00
2.500	3.82	15.51	3.39	17.26	0.00
2.600	3.89	12.93	3.46	14.40	0.00
2.700	4.65	10.07	4.14	11.24	0.00
2.800	7.06	8.06	6.31	9.03	0.00
2.900	20.93	6.53	18.81	7.36	0.00
3.000	24.92	5.30	22.53	6.01	0.00
3.000	24.92	5.30	22.53	6.01	0.00
3.100	21.03	6.59	18.89	7.42	0.00
3.200	7.03	8.15	6.28	9.12	0.00
3.300	4.61	10.20	4.10	11.37	0.00
3.400	3.84	13.11	3.41	14.58	0.00
3.500	3.75	17.70	3.33	19.67	0.00
3.600	3.85	13.02	3.41	14.49	0.00
3.700	4.63	10.11	4.12	11.27	0.00
3.800	7.07	8.06	6.32	9.02	0.00
3.900	21.12	6.49	18.99	7.32	0.00
4.000	28.26	5.23	25.57	5.95	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	28.26	5.23	25.57	5.95	0.00	78.5
4.100	21.15	6.49	19.02	7.32	0.00	97.4
4.200	7.08	8.05	6.33	9.01	0.00	94.9
4.300	4.64	10.09	4.13	11.25	0.00	61.9
4.400	3.86	12.99	3.43	14.45	0.00	51.4
4.500	3.77	17.62	3.34	19.59	0.00	50.1
4.600	3.86	12.99	3.42	14.45	0.00	51.4
4.700	4.63	10.10	4.12	11.26	0.00	61.8
4.800	7.07	8.06	6.32	9.02	0.00	94.7
4.900	21.10	6.51	18.97	7.33	0.00	97.6
5.000	28.19	5.25	25.51	5.97	0.00	78.8
5.000	28.19	5.25	25.51	5.97	0.00	78.8
5.100	21.10	6.51	18.97	7.33	0.00	97.6
5.200	7.06	8.06	6.31	9.03	0.00	94.7
5.300	4.63	10.10	4.12	11.27	0.00	61.8
5.400	3.85	13.00	3.42	14.46	0.00	51.3
5.500	3.76	17.64	3.34	19.61	0.00	50.0
5.600	3.86	13.00	3.42	14.46	0.00	51.3
5.700	4.63	10.10	4.12	11.26	0.00	61.8
5.800	7.07	8.06	6.32	9.02	0.00	94.8
5.900	21.11	6.50	18.98	7.33	0.00	97.5
6.000	28.22	5.25	25.53	5.97	0.00	78.7
6.000	28.22	5.25	25.53	5.97	0.00	78.7
6.100	21.11	6.50	18.98	7.33	0.00	97.5
6.200	7.07	8.06	6.32	9.02	0.00	94.8
6.300	4.63	10.10	4.12	11.26	0.00	61.8
6.400	3.86	13.00	3.42	14.46	0.00	51.3
6.500	3.76	17.64	3.34	19.61	0.00	50.0
6.600	3.85	13.00	3.42	14.46	0.00	51.3
6.700	4.63	10.10	4.12	11.27	0.00	61.8
6.800	7.06	8.06	6.31	9.03	0.00	94.7
6.900	21.10	6.51	18.97	7.33	0.00	97.6
7.000	28.19	5.25	25.51	5.97	0.00	78.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
7.000	28.19	5.25	25.51	5.97	0.00	78.8
7.100	21.10	6.51	18.97	7.33	0.00	97.6
7.200	7.07	8.06	6.32	9.02	0.00	94.7
7.300	4.63	10.10	4.12	11.26	0.00	61.8
7.400	3.86	12.99	3.42	14.45	0.00	51.4
7.500	3.77	17.62	3.34	19.59	0.00	50.1
7.600	3.86	12.99	3.43	14.45	0.00	51.4
7.700	4.64	10.09	4.13	11.25	0.00	61.9
7.800	7.08	8.05	6.33	9.01	0.00	94.9
7.900	21.15	6.49	19.02	7.32	0.00	97.4
8.000	28.26	5.23	25.57	5.95	0.00	78.5
8.000	28.26	5.23	25.57	5.95	0.00	78.5
8.100	21.12	6.49	18.99	7.32	0.00	97.4
8.200	7.07	8.06	6.32	9.02	0.00	94.8
8.300	4.63	10.11	4.12	11.27	0.00	61.8
8.400	3.85	13.02	3.41	14.48	0.00	51.2
8.500	3.75	17.70	3.33	19.67	0.00	49.9
8.600	3.84	13.11	3.41	14.58	0.00	51.1
8.700	4.61	10.20	4.10	11.37	0.00	61.5
8.800	7.03	8.15	6.28	9.12	0.00	94.2
8.900	21.03	6.59	18.89	7.42	0.00	98.9
9.000	24.92	5.30	22.53	6.01	0.00	79.4
9.000	24.92	5.30	22.53	6.01	0.00	79.4
9.100	20.93	6.53	18.81	7.36	0.00	98.0
9.200	7.06	8.06	6.31	9.03	0.00	94.7
9.300	4.65	10.07	4.14	11.24	0.00	62.1
9.400	3.89	12.93	3.46	14.40	0.00	51.9
9.500	3.82	15.51	3.39	17.26	0.00	50.9
9.600	3.94	11.38	3.50	12.68	0.00	52.5
9.700	4.76	8.81	4.25	9.84	0.00	63.7
9.800	7.33	6.99	6.57	7.85	0.00	98.6
9.900	22.54	5.61	20.32	6.34	0.00	84.1
10.000	28.39	4.49	25.76	5.13	0.00	67.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	33.24	4.49	25.76	6.31	0.00	67.3
10.100	25.55	7.32	22.84	8.31	0.00	109.8
10.200	7.88	8.78	7.00	9.89	0.00	105.0
10.300	4.90	10.52	4.33	11.78	0.00	64.9
10.400	3.86	12.68	3.39	14.15	0.00	50.9
10.500	3.55	15.51	3.11	17.28	0.00	46.7
10.600	3.38	19.50	2.96	21.72	0.00	44.4
10.700	3.57	25.84	3.13	28.80	0.00	47.0
10.800	4.46	38.05	3.92	42.49	0.00	58.8
10.900	7.72	73.73	6.82	82.61	0.00	102.3
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	20.82	0.00	16.01	0.00
1.100	0.6	4.6	17.86	0.00	13.74	0.00
1.200	0.4	3.1	14.98	0.00	11.52	0.00
1.300	0.2	1.5	12.23	0.00	9.41	0.00
1.400	0.0	0.0	9.63	0.00	7.41	0.00
1.500	-0.2	-1.6	-10.81	0.00	-8.32	0.00
1.600	-0.4	-3.2	-13.52	0.00	-10.40	0.00
1.700	-0.5	-4.7	-16.05	0.00	-12.35	0.00
1.800	-0.7	-6.3	-18.38	0.00	-14.14	0.00
1.900	-0.9	-7.8	-20.47	0.00	-15.74	0.00
2.000	-1.1	-9.4	-22.27	0.00	-17.13	0.00
2.000	0.8	-9.4	21.85	0.00	16.81	0.00
2.100	0.7	6.6	19.49	0.00	14.99	0.00
2.200	0.5	5.1	17.02	0.00	13.09	0.00
2.300	0.4	3.5	14.36	0.00	11.04	0.00
2.400	0.2	2.0	11.62	0.00	8.94	0.00
2.500	0.1	0.5	8.91	0.00	6.86	0.00
2.600	-0.1	-1.2	-11.53	0.00	-8.87	0.00
2.700	-0.2	-2.7	-14.27	0.00	-10.98	0.00
2.800	-0.4	-4.3	-16.94	0.00	-13.03	0.00
2.900	-0.6	-5.8	-19.43	0.00	-14.95	0.00
3.000	-0.7	-7.3	-21.63	0.00	-16.64	0.00
3.000	0.8	7.7	21.64	0.00	16.65	0.00
3.100	0.6	6.1	19.45	0.00	14.97	0.00
3.200	0.5	4.6	16.97	0.00	13.06	0.00
3.300	0.3	3.0	14.31	0.00	11.01	0.00
3.400	0.1	1.5	11.58	0.00	8.91	0.00
3.500	0.0	-0.1	8.88	0.00	6.83	0.00
3.600	-0.2	-1.7	-11.57	0.00	-8.90	0.00
3.700	-0.3	-3.2	-14.31	0.00	-11.01	0.00
3.800	-0.5	-4.8	-16.97	0.00	-13.05	0.00
3.900	-0.6	-6.3	-19.45	0.00	-14.96	0.00
4.000	-0.8	-7.9	-21.64	0.00	-16.65	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	21.64	0.00	16.65	0.00
4.100	0.6	6.2	19.45	0.00	14.96	0.00
4.200	0.5	4.7	16.97	0.00	13.06	0.00
4.300	0.3	3.2	14.31	0.00	11.01	0.00
4.400	0.2	1.6	11.58	0.00	8.90	0.00
4.500	0.0	0.1	8.88	0.00	6.83	0.00
4.600	-0.2	-1.6	-11.57	0.00	-8.90	0.00
4.700	-0.3	-3.1	-14.31	0.00	-11.01	0.00
4.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
4.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
5.000	-0.8	-7.7	-21.64	0.00	-16.65	0.00
5.000	0.8	7.7	21.64	0.00	16.65	0.00
5.100	0.6	6.2	19.45	0.00	14.96	0.00
5.200	0.5	4.7	16.97	0.00	13.06	0.00
5.300	0.3	3.1	14.31	0.00	11.01	0.00
5.400	0.2	1.6	11.58	0.00	8.90	0.00
5.500	0.0	0.1	8.88	0.00	6.83	0.00
5.600	-0.2	-1.6	-11.58	0.00	-8.90	0.00
5.700	-0.3	-3.2	-14.31	0.00	-11.01	0.00
5.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
5.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
6.000	-0.8	-7.8	-21.64	0.00	-16.65	0.00
6.000	0.8	7.8	21.64	0.00	16.65	0.00
6.100	0.6	6.2	19.45	0.00	14.96	0.00
6.200	0.5	4.7	16.97	0.00	13.06	0.00
6.300	0.3	3.2	14.31	0.00	11.01	0.00
6.400	0.2	1.6	11.58	0.00	8.90	0.00
6.500	0.0	0.1	8.88	0.00	6.83	0.00
6.600	-0.2	-1.6	-11.58	0.00	-8.90	0.00
6.700	-0.3	-3.1	-14.31	0.00	-11.01	0.00
6.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
6.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
7.000	-0.8	-7.7	-21.64	0.00	-16.65	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	21.64	0.00	16.65	0.00
7.100	0.6	6.2	19.45	0.00	14.96	0.00
7.200	0.5	4.7	16.97	0.00	13.06	0.00
7.300	0.3	3.1	14.31	0.00	11.01	0.00
7.400	0.2	1.6	11.57	0.00	8.90	0.00
7.500	0.0	0.1	8.88	0.00	6.83	0.00
7.600	-0.2	-1.6	-11.58	0.00	-8.90	0.00
7.700	-0.3	-3.2	-14.31	0.00	-11.01	0.00
7.800	-0.5	-4.7	-16.97	0.00	-13.06	0.00
7.900	-0.6	-6.2	-19.45	0.00	-14.96	0.00
8.000	-0.8	-7.8	-21.64	0.00	-16.65	0.00
8.000	0.8	7.9	21.64	0.00	16.65	0.00
8.100	0.6	6.3	19.45	0.00	14.96	0.00
8.200	0.5	4.8	16.97	0.00	13.05	0.00
8.300	0.3	3.2	14.31	0.00	11.01	0.00
8.400	0.2	1.7	11.57	0.00	8.90	0.00
8.500	0.0	0.2	-8.88	0.00	6.83	0.00
8.600	-0.1	-1.5	-11.58	0.00	-8.91	0.00
8.700	-0.3	-3.0	-14.31	0.00	-11.01	0.00
8.800	-0.5	-4.6	-16.97	0.00	-13.06	0.00
8.900	-0.6	-6.1	-19.45	0.00	-14.97	0.00
9.000	-0.8	-7.7	-21.64	0.00	-16.65	0.00
9.000	0.7	-7.7	21.63	0.00	16.64	0.00
9.100	0.6	5.8	19.43	0.00	14.95	0.00
9.200	0.4	4.3	16.94	0.00	13.03	0.00
9.300	0.2	2.7	14.27	0.00	10.98	0.00
9.400	0.1	1.2	11.53	0.00	8.87	0.00
9.500	-0.1	-0.4	-8.91	0.00	-6.86	0.00
9.600	-0.2	-2.0	-11.62	0.00	-8.94	0.00
9.700	-0.4	-3.5	-14.36	0.00	-11.04	0.00
9.800	-0.5	-5.1	-17.02	0.00	-13.09	0.00
9.900	-0.7	-6.6	-19.49	0.00	-14.99	0.00
10.000	-0.8	-8.1	-21.66	0.00	-16.66	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	22.27	0.00	17.13	0.00
10.100	0.9	7.8	20.47	0.00	15.74	0.00
10.200	0.7	6.3	18.38	0.00	14.14	0.00
10.300	0.5	4.7	16.05	0.00	12.35	0.00
10.400	0.4	3.2	13.52	0.00	10.40	0.00
10.500	0.2	1.7	10.81	0.00	8.32	0.00
10.600	0.0	0.0	-9.63	0.00	-7.41	0.00
10.700	-0.2	-1.5	-12.23	0.00	-9.41	0.00
10.800	-0.4	-3.1	-14.98	0.00	-11.52	0.00
10.900	-0.6	-4.6	-17.86	0.00	-13.74	0.00
11.000	-0.7	-6.2	-20.82	0.00	-16.01	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	76.74	6.03	0.00	90.4
1.100	66.95	7.12	0.00	106.9
1.200	33.25	8.61	0.00	129.1
1.300	22.11	10.69	0.00	160.3
1.400	16.60	13.74	0.00	206.1
1.500	12.08	18.55	0.00	181.2
1.600	9.53	26.87	0.00	142.9
1.700	7.92	43.52	0.00	118.7
1.800	6.82	89.07	0.00	102.3
1.900	6.04	290.18	0.00	90.6
2.000	5.47	293.72	0.00	82.1
2.000	5.47	4.91	0.00	73.7
2.100	54.55	5.60	0.00	84.0
2.200	53.80	6.51	0.00	97.6
2.300	30.24	7.83	0.00	117.5
2.400	18.86	9.82	0.00	147.4
2.500	13.23	13.00	0.00	194.9
2.600	9.98	18.52	0.00	149.7
2.700	7.95	29.58	0.00	119.2
2.800	6.59	47.78	0.00	98.9
2.900	5.66	48.44	0.00	84.9
3.000	5.01	46.21	0.00	75.1
3.000	5.01	4.99	0.00	74.8
3.100	54.57	5.64	0.00	84.5
3.200	53.82	6.56	0.00	98.4
3.300	29.82	7.90	0.00	118.5
3.400	18.67	9.91	0.00	148.6
3.500	13.11	13.11	0.00	196.6
3.600	9.89	18.69	0.00	148.4
3.700	7.88	29.86	0.00	118.3
3.800	6.55	54.20	0.00	98.2
3.900	5.62	54.96	0.00	84.4
4.000	4.98	52.21	0.00	74.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.98	4.98	0.00	74.7
4.100	54.66	5.63	0.00	84.4
4.200	53.91	6.55	0.00	98.3
4.300	29.85	7.89	0.00	118.3
4.400	18.69	9.90	0.00	148.5
4.500	13.12	13.10	0.00	196.5
4.600	9.90	18.67	0.00	148.6
4.700	7.89	29.83	0.00	118.4
4.800	6.56	53.90	0.00	98.3
4.900	5.63	54.65	0.00	84.5
5.000	4.98	51.97	0.00	74.8
5.000	4.98	4.98	0.00	74.8
5.100	54.64	5.63	0.00	84.5
5.200	53.89	6.55	0.00	98.3
5.300	29.84	7.89	0.00	118.4
5.400	18.68	9.90	0.00	148.5
5.500	13.11	13.10	0.00	196.6
5.600	9.90	18.68	0.00	148.5
5.700	7.89	29.84	0.00	118.4
5.800	6.55	53.90	0.00	98.3
5.900	5.63	54.65	0.00	84.5
6.000	4.98	51.96	0.00	74.7
6.000	4.98	4.98	0.00	74.7
6.100	54.65	5.63	0.00	84.5
6.200	53.90	6.55	0.00	98.3
6.300	29.84	7.89	0.00	118.4
6.400	18.68	9.90	0.00	148.5
6.500	13.12	13.10	0.00	196.5
6.600	9.90	18.68	0.00	148.5
6.700	7.89	29.84	0.00	118.4
6.800	6.55	53.89	0.00	98.3
6.900	5.63	54.64	0.00	84.5
7.000	4.98	51.96	0.00	74.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.98	4.98	0.00	74.8
7.100	54.65	5.63	0.00	84.5
7.200	53.90	6.56	0.00	98.3
7.300	29.83	7.89	0.00	118.4
7.400	18.67	9.90	0.00	148.6
7.500	13.11	13.11	0.00	196.6
7.600	9.90	18.69	0.00	148.5
7.700	7.89	29.85	0.00	118.3
7.800	6.55	53.91	0.00	98.3
7.900	5.63	54.66	0.00	84.4
8.000	4.98	51.96	0.00	74.7
8.000	4.98	4.98	0.00	74.7
8.100	54.96	5.62	0.00	84.4
8.200	54.20	6.55	0.00	98.2
8.300	29.86	7.88	0.00	118.3
8.400	18.69	9.89	0.00	148.4
8.500	13.13	13.09	0.00	196.4
8.600	9.91	18.67	0.00	148.6
8.700	7.90	29.82	0.00	118.5
8.800	6.56	53.82	0.00	98.4
8.900	5.64	54.57	0.00	84.5
9.000	4.99	51.93	0.00	74.8
9.000	4.99	5.01	0.00	74.8
9.100	48.44	5.66	0.00	84.9
9.200	47.78	6.59	0.00	98.9
9.300	29.58	7.95	0.00	119.2
9.400	18.52	9.98	0.00	149.7
9.500	13.01	13.22	0.00	195.2
9.600	9.82	18.86	0.00	147.4
9.700	7.83	30.24	0.00	117.5
9.800	6.51	53.80	0.00	97.6
9.900	5.60	54.55	0.00	84.0
10.000	4.96	51.70	0.00	74.4

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	4.96	5.47	0.00	74.4
10.100	290.18	6.04	0.00	90.6
10.200	89.07	6.82	0.00	102.3
10.300	43.52	7.92	0.00	118.7
10.400	26.87	9.53	0.00	142.9
10.500	18.56	12.07	0.00	181.1
10.600	13.74	16.60	0.00	206.1
10.700	10.69	22.11	0.00	160.3
10.800	8.61	33.25	0.00	129.1
10.900	7.12	66.95	0.00	106.9
11.000	6.03	999.00	0.00	90.4

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.100	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
65.4								
3.200	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
80.0								
3.300	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
90.5								
3.400	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
96.7								
3.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
98.6								
3.600	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
96.1								
3.700	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
89.2								
3.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
3.900	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
4.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4								

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
 Rating Live Load: 2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

6.000 43.9	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
6.000 43.9	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
6.100 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
6.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
6.300 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
6.400 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
6.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
6.600 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
6.700 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
6.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
6.900 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
7.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
7.100 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
7.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
7.300 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
7.400 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
7.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
7.600 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
7.700 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
7.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
7.900 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.100 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
8.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
8.300 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
8.400 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
8.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
8.600 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
8.700 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
8.800 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
8.900 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	7.10	76.55	7.10	76.55	0.00	106.6
1.200	4.09	39.46	4.09	39.46	0.00	61.3
1.300	3.27	26.78	3.27	26.78	0.00	49.1
1.400	3.09	20.21	3.09	20.21	0.00	46.4
1.500	3.25	16.07	3.25	16.07	0.00	48.8
1.600	3.54	13.15	3.54	13.15	0.00	53.1
1.700	4.51	10.92	4.51	10.92	0.00	67.6
1.800	7.28	9.13	7.28	9.13	0.00	109.2
1.900	23.70	7.64	23.70	7.64	0.00	114.5
2.000	30.98	5.76	30.98	5.76	0.00	86.4
2.000	26.64	4.70	26.64	4.70	0.00	70.5
2.100	21.06	5.85	21.06	5.85	0.00	87.8
2.200	6.83	7.28	6.83	7.28	0.00	102.4
2.300	4.42	9.15	4.42	9.15	0.00	66.3
2.400	3.65	11.82	3.65	11.82	0.00	54.7
2.500	3.54	16.10	3.54	16.10	0.00	53.0
2.600	3.61	13.42	3.61	13.42	0.00	54.1
2.700	4.31	10.46	4.31	10.46	0.00	64.7
2.800	6.56	8.39	6.56	8.39	0.00	98.5
2.900	19.52	6.81	19.52	6.81	0.00	102.1
3.000	23.33	5.54	23.33	5.54	0.00	83.0
3.000	23.33	5.54	23.33	5.54	0.00	83.0
3.100	19.61	6.87	19.61	6.87	0.00	103.0
3.200	6.53	8.48	6.53	8.48	0.00	98.0
3.300	4.27	10.60	4.27	10.60	0.00	64.1
3.400	3.55	13.61	3.55	13.61	0.00	53.3
3.500	3.47	18.36	3.47	18.36	0.00	52.0
3.600	3.56	13.52	3.56	13.52	0.00	53.4
3.700	4.29	10.50	4.29	10.50	0.00	64.3
3.800	6.57	8.38	6.57	8.38	0.00	98.5
3.900	19.71	6.77	19.71	6.77	0.00	101.6
4.000	26.48	5.47	26.48	5.47	0.00	82.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	26.48	5.47	26.48	5.47	0.00	82.1
4.100	19.73	6.77	19.73	6.77	0.00	101.5
4.200	6.58	8.37	6.58	8.37	0.00	98.7
4.300	4.30	10.48	4.30	10.48	0.00	64.5
4.400	3.57	13.48	3.57	13.48	0.00	53.6
4.500	3.48	18.28	3.48	18.28	0.00	52.2
4.600	3.57	13.48	3.57	13.48	0.00	53.5
4.700	4.29	10.49	4.29	10.49	0.00	64.4
4.800	6.57	8.39	6.57	8.39	0.00	98.5
4.900	19.68	6.78	19.68	6.78	0.00	101.8
5.000	26.41	5.49	26.41	5.49	0.00	82.4
5.000	26.41	5.49	26.41	5.49	0.00	82.4
5.100	19.68	6.79	19.68	6.79	0.00	101.8
5.200	6.57	8.39	6.57	8.39	0.00	98.5
5.300	4.29	10.49	4.29	10.49	0.00	64.4
5.400	3.57	13.49	3.57	13.49	0.00	53.5
5.500	3.48	18.30	3.48	18.30	0.00	52.2
5.600	3.57	13.49	3.57	13.49	0.00	53.5
5.700	4.29	10.49	4.29	10.49	0.00	64.4
5.800	6.57	8.38	6.57	8.38	0.00	98.5
5.900	19.70	6.78	19.70	6.78	0.00	101.7
6.000	26.43	5.49	26.43	5.49	0.00	82.3
6.000	26.43	5.49	26.43	5.49	0.00	82.3
6.100	19.70	6.78	19.70	6.78	0.00	101.7
6.200	6.57	8.38	6.57	8.38	0.00	98.5
6.300	4.29	10.49	4.29	10.49	0.00	64.4
6.400	3.57	13.49	3.57	13.49	0.00	53.5
6.500	3.48	18.30	3.48	18.30	0.00	52.2
6.600	3.57	13.49	3.57	13.49	0.00	53.5
6.700	4.29	10.49	4.29	10.49	0.00	64.4
6.800	6.57	8.39	6.57	8.39	0.00	98.5
6.900	19.68	6.79	19.68	6.79	0.00	101.8
7.000	26.41	5.49	26.41	5.49	0.00	82.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	26.41	5.49	26.41	5.49	0.00	82.4
7.100	19.68	6.78	19.68	6.78	0.00	101.8
7.200	6.57	8.39	6.57	8.39	0.00	98.5
7.300	4.29	10.49	4.29	10.49	0.00	64.4
7.400	3.57	13.48	3.57	13.48	0.00	53.5
7.500	3.48	18.28	3.48	18.28	0.00	52.2
7.600	3.57	13.48	3.57	13.48	0.00	53.6
7.700	4.30	10.48	4.30	10.48	0.00	64.5
7.800	6.58	8.37	6.58	8.37	0.00	98.7
7.900	19.73	6.77	19.73	6.77	0.00	101.5
8.000	26.48	5.47	26.48	5.47	0.00	82.1
8.000	26.48	5.47	26.48	5.47	0.00	82.1
8.100	19.71	6.77	19.71	6.77	0.00	101.6
8.200	6.57	8.38	6.57	8.38	0.00	98.5
8.300	4.29	10.50	4.29	10.50	0.00	64.3
8.400	3.56	13.52	3.56	13.52	0.00	53.4
8.500	3.47	18.36	3.47	18.36	0.00	52.0
8.600	3.55	13.61	3.55	13.61	0.00	53.3
8.700	4.27	10.60	4.27	10.60	0.00	64.1
8.800	6.53	8.48	6.53	8.48	0.00	98.0
8.900	19.61	6.87	19.61	6.87	0.00	103.0
9.000	23.33	5.54	23.33	5.54	0.00	83.0
9.000	23.33	5.54	23.33	5.54	0.00	83.0
9.100	19.52	6.81	19.52	6.81	0.00	102.1
9.200	6.56	8.39	6.56	8.39	0.00	98.5
9.300	4.31	10.46	4.31	10.46	0.00	64.7
9.400	3.61	13.42	3.61	13.42	0.00	54.1
9.500	3.54	16.10	3.54	16.10	0.00	53.0
9.600	3.65	11.82	3.65	11.82	0.00	54.7
9.700	4.42	9.15	4.42	9.15	0.00	66.3
9.800	6.83	7.28	6.83	7.28	0.00	102.4
9.900	21.06	5.85	21.06	5.85	0.00	87.8
10.000	26.64	4.70	26.64	4.70	0.00	70.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	26.64	4.70	26.64	4.70	0.00	70.5
10.100	23.70	7.64	23.70	7.64	0.00	114.5
10.200	7.28	9.13	7.28	9.13	0.00	109.2
10.300	4.51	10.92	4.51	10.92	0.00	67.6
10.400	3.54	13.15	3.54	13.15	0.00	53.1
10.500	3.25	16.07	3.25	16.07	0.00	48.8
10.600	3.09	20.21	3.09	20.21	0.00	46.4
10.700	3.27	26.78	3.27	26.78	0.00	49.1
10.800	4.09	39.46	4.09	39.46	0.00	61.3
10.900	7.10	76.55	7.10	76.55	0.00	106.6
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	13.5	60.91 R	0.00
1.200	2.8	23.1	100.62 R	0.00
1.300	3.5	28.9	120.84 R	0.00
1.400	3.7	30.8	128.49 R	0.00
1.500	3.5	28.9	125.83 R	0.00
1.600	2.8	22.8	111.66 L	0.00
1.700	1.7	12.9	91.04 L	0.00
1.800	0.1	-0.9	56.69 L	0.00
1.900	-2.0	-18.5	-58.74 R	0.00
2.000	-4.5	-40.0	-74.79 R	0.00
2.000	-4.5	-40.0	-74.79 R	0.00
2.100	-2.6	-21.5	-62.75 L	0.00
2.200	-1.0	-6.9	-53.64 L	0.00
2.300	0.1	3.9	79.09 R	0.00
2.400	0.8	10.8	93.85 R	0.00
2.500	1.2	13.9	99.90 L	0.00
2.600	1.1	12.8	94.23 L	0.00
2.700	0.7	7.8	79.76 L	0.00
2.800	-0.1	-0.9	52.12 L	0.00
2.900	-1.3	-13.5	-55.90 R	0.00
3.000	-2.9	-30.0	-70.38 L	0.00
3.000	-2.9	-30.0	-70.38 L	0.00
3.100	-1.2	-12.8	-55.58 L	0.00
3.200	0.1	0.5	52.04 R	0.00
3.300	1.0	10.0	79.83 R	0.00
3.400	1.6	15.7	94.45 R	0.00
3.500	1.7	17.5	100.30 L	0.00
3.600	1.5	15.2	94.48 L	0.00
3.700	0.9	9.0	79.88 L	0.00
3.800	-0.1	-1.1	52.11 L	0.00
3.900	-1.5	-15.0	-55.85 R	0.00
4.000	-3.3	-32.7	-70.34 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-70.34 L	0.00
4.100	-1.6	-15.2	-55.83 L	0.00
4.200	-0.2	-1.5	52.10 R	0.00
4.300	0.8	8.4	79.89 R	0.00
4.400	1.4	14.4	94.49 R	0.00
4.500	1.6	16.5	100.33 L	0.00
4.600	1.4	14.5	94.49 L	0.00
4.700	0.8	8.7	79.89 L	0.00
4.800	-0.1	-1.0	52.11 L	0.00
4.900	-1.5	-14.6	-55.85 R	0.00
5.000	-3.2	-32.0	-70.34 L	0.00
5.000	-3.2	-32.0	-70.34 L	0.00
5.100	-1.5	-14.5	-55.85 L	0.00
5.200	-0.1	-0.9	52.11 R	0.00
5.300	0.9	8.8	79.89 R	0.00
5.400	1.4	14.7	94.50 R	0.00
5.500	1.6	16.8	100.34 R	0.00
5.600	1.4	14.7	94.50 L	0.00
5.700	0.8	8.7	79.89 L	0.00
5.800	-0.1	-1.1	52.11 L	0.00
5.900	-1.5	-14.7	-55.85 R	0.00
6.000	-3.3	-32.2	-70.34 R	0.00
6.000	-3.3	-32.2	-70.34 R	0.00
6.100	-1.5	-14.7	-55.85 L	0.00
6.200	-0.1	-1.1	52.11 R	0.00
6.300	0.8	8.7	79.89 R	0.00
6.400	1.4	14.7	94.50 R	0.00
6.500	1.6	16.8	100.34 R	0.00
6.600	1.4	14.7	94.50 L	0.00
6.700	0.9	8.8	79.89 L	0.00
6.800	-0.1	-0.9	52.11 L	0.00
6.900	-1.5	-14.5	-55.85 R	0.00
7.000	-3.2	-32.0	-70.34 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-32.0	-70.34 R	0.00
7.100	-1.5	-14.6	-55.85 L	0.00
7.200	-0.1	-1.0	52.11 R	0.00
7.300	0.8	8.7	79.89 R	0.00
7.400	1.4	14.5	94.49 R	0.00
7.500	1.6	16.5	100.33 R	0.00
7.600	1.4	14.4	94.49 L	0.00
7.700	0.8	8.4	79.89 L	0.00
7.800	-0.2	-1.5	52.10 L	0.00
7.900	-1.6	-15.2	-55.83 R	0.00
8.000	-3.3	-32.7	-70.34 R	0.00
8.000	-3.3	-32.7	-70.34 R	0.00
8.100	-1.5	-15.0	-55.85 L	0.00
8.200	-0.1	-1.1	52.11 R	0.00
8.300	0.9	9.0	79.88 R	0.00
8.400	1.5	15.2	94.48 R	0.00
8.500	1.7	17.5	100.30 R	0.00
8.600	1.6	15.7	94.45 L	0.00
8.700	1.0	10.0	79.83 L	0.00
8.800	0.1	0.5	52.04 L	0.00
8.900	-1.2	-12.8	-55.58 R	0.00
9.000	-2.9	-30.0	-70.38 R	0.00
9.000	-2.9	-30.0	-70.38 R	0.00
9.100	-1.3	-13.5	-55.90 L	0.00
9.200	-0.1	-0.9	52.12 R	0.00
9.300	0.7	7.8	79.76 R	0.00
9.400	1.1	12.8	94.23 R	0.00
9.500	1.2	13.9	99.90 R	0.00
9.600	0.8	10.8	93.85 L	0.00
9.700	0.1	3.9	79.09 L	0.00
9.800	-1.0	-6.9	-53.64 R	0.00
9.900	-2.6	-21.5	-62.75 R	0.00
10.000	-4.5	-40.0	-74.79 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-74.79	L 0.00	-57.53	0.00
10.100	-2.0	-18.5	-58.74	L 0.00	-45.18	0.00
10.200	0.1	-0.9	56.69	R 0.00	43.61	0.00
10.300	1.7	12.9	91.04	R 0.00	70.03	0.00
10.400	2.8	22.8	111.66	R 0.00	85.89	0.00
10.500	3.5	28.9	125.83	L 0.00	96.79	0.00
10.600	3.7	30.8	128.49	L 0.00	98.84	0.00
10.700	3.5	28.9	120.84	L 0.00	92.95	0.00
10.800	2.8	23.1	100.62	L 0.00	77.40	0.00
10.900	1.6	13.5	60.91	L 0.00	46.85	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
8	1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
5	1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
0	1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
2	1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
0	1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
3	1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
2	1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
9	1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
2	1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2	2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2	2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
6	2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
7	2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2	2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
7	2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
5	2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2	2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
6	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
8	2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	5.66	51.25	5.00	57.42	0.00
1.200	3.32	26.45	2.92	29.53	0.00
1.300	2.71	17.96	2.38	20.02	0.00
1.400	2.53	13.56	2.22	15.10	0.00
1.500	2.60	10.78	2.28	12.01	0.00
1.600	2.99	8.81	2.63	9.84	0.00
1.700	3.79	7.31	3.35	8.19	0.00
1.800	6.36	6.10	5.65	6.87	0.00
1.900	24.15	5.09	21.60	5.78	0.00
2.000	23.11	3.68	20.81	4.22	0.00
2.000	19.73	3.00	17.90	3.42	0.00
2.100	30.42	3.90	27.42	4.41	0.00
2.200	6.03	4.86	5.41	5.46	0.00
2.300	3.75	6.12	3.35	6.84	0.00
2.400	3.08	7.91	2.74	8.82	0.00
2.500	2.86	10.79	2.54	12.00	0.00
2.600	3.04	8.99	2.70	10.01	0.00
2.700	3.66	7.00	3.26	7.81	0.00
2.800	5.79	5.61	5.17	6.28	0.00
2.900	21.07	4.54	18.93	5.11	0.00
3.000	17.32	3.35	15.66	3.80	0.00
3.000	17.32	3.35	15.66	3.80	0.00
3.100	18.72	4.58	16.81	5.16	0.00
3.200	5.76	5.67	5.15	6.34	0.00
3.300	3.63	7.09	3.23	7.90	0.00
3.400	3.00	9.11	2.66	10.13	0.00
3.500	2.81	12.30	2.49	13.67	0.00
3.600	3.01	9.05	2.67	10.07	0.00
3.700	3.64	7.03	3.24	7.84	0.00
3.800	5.79	5.60	5.18	6.27	0.00
3.900	21.19	4.51	19.06	5.09	0.00
4.000	19.64	3.31	17.78	3.76	0.00

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	19.64	3.31	17.78	3.76	0.00	76.1
4.100	21.31	4.51	19.16	5.09	0.00	103.8
4.200	5.80	5.59	5.19	6.26	0.00	119.3
4.300	3.65	7.01	3.25	7.82	0.00	74.7
4.400	3.02	9.03	2.68	10.04	0.00	61.6
4.500	2.82	12.25	2.50	13.62	0.00	57.4
4.600	3.01	9.03	2.67	10.04	0.00	61.5
4.700	3.64	7.02	3.24	7.83	0.00	74.6
4.800	5.79	5.60	5.18	6.27	0.00	119.1
4.900	21.16	4.52	19.03	5.10	0.00	104.0
5.000	19.60	3.32	17.73	3.77	0.00	76.3
5.100	21.17	4.52	19.03	5.10	0.00	104.1
5.200	5.79	5.61	5.18	6.28	0.00	119.0
5.300	3.64	7.02	3.24	7.83	0.00	74.6
5.400	3.01	9.04	2.67	10.05	0.00	61.5
5.500	2.81	12.26	2.49	13.63	0.00	57.4
5.600	3.01	9.03	2.67	10.05	0.00	61.5
5.700	3.64	7.02	3.24	7.83	0.00	74.6
5.800	5.79	5.60	5.18	6.27	0.00	119.1
5.900	21.17	4.52	19.04	5.09	0.00	104.0
6.000	19.61	3.32	17.75	3.77	0.00	76.2
6.100	21.17	4.52	19.04	5.09	0.00	104.0
6.200	5.79	5.60	5.18	6.27	0.00	119.1
6.300	3.64	7.02	3.24	7.83	0.00	74.6
6.400	3.01	9.03	2.67	10.05	0.00	61.5
6.500	2.81	12.26	2.49	13.63	0.00	57.4
6.600	3.01	9.04	2.67	10.05	0.00	61.5
6.700	3.64	7.02	3.24	7.83	0.00	74.6
6.800	5.79	5.61	5.18	6.28	0.00	119.0
6.900	21.17	4.52	19.03	5.10	0.00	104.1
7.000	19.60	3.32	17.73	3.77	0.00	76.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
7.000	19.60	3.32	17.73	3.77	0.00	76.3
7.100	21.16	4.52	19.03	5.10	0.00	104.0
7.200	5.79	5.60	5.18	6.27	0.00	119.1
7.300	3.64	7.02	3.24	7.83	0.00	74.6
7.400	3.01	9.03	2.67	10.04	0.00	61.5
7.500	2.82	12.25	2.50	13.62	0.00	57.4
7.600	3.02	9.03	2.68	10.04	0.00	61.6
7.700	3.65	7.01	3.25	7.82	0.00	74.7
7.800	5.80	5.59	5.19	6.26	0.00	119.3
7.900	21.31	4.51	19.16	5.09	0.00	103.8
8.000	19.64	3.31	17.78	3.76	0.00	76.1
8.000	19.64	3.31	17.78	3.76	0.00	76.1
8.100	21.19	4.51	19.06	5.09	0.00	103.8
8.200	5.79	5.60	5.18	6.27	0.00	119.1
8.300	3.64	7.03	3.24	7.84	0.00	74.5
8.400	3.01	9.05	2.67	10.07	0.00	61.3
8.500	2.81	12.30	2.49	13.67	0.00	57.2
8.600	3.00	9.11	2.66	10.13	0.00	61.2
8.700	3.63	7.09	3.23	7.90	0.00	74.2
8.800	5.76	5.67	5.15	6.34	0.00	118.5
8.900	18.72	4.58	16.81	5.16	0.00	105.4
9.000	17.32	3.35	15.66	3.80	0.00	77.0
9.000	17.32	3.35	15.66	3.80	0.00	77.0
9.100	21.07	4.54	18.93	5.11	0.00	104.4
9.200	5.79	5.61	5.17	6.28	0.00	119.0
9.300	3.66	7.00	3.26	7.81	0.00	75.0
9.400	3.04	8.99	2.70	10.01	0.00	62.2
9.500	2.86	10.79	2.54	12.00	0.00	58.4
9.600	3.08	7.91	2.74	8.82	0.00	63.0
9.700	3.75	6.12	3.35	6.84	0.00	77.0
9.800	6.03	4.86	5.41	5.46	0.00	111.8
9.900	30.42	3.90	27.42	4.41	0.00	89.6
10.000	19.73	3.00	17.90	3.42	0.00	68.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating		Factor	Rating		Load Capacity (tons)
	top fiber +bend	fiber -bend		bottom fiber +bend	fiber -bend	
10.000	23.11	3.00		17.90	4.22	68.9
10.100	24.15	5.09		21.60	5.78	117.1
10.200	6.36	6.10		5.65	6.87	129.9
10.300	3.79	7.31		3.35	8.19	77.0
10.400	2.99	8.81		2.63	9.84	60.5
10.500	2.60	10.78		2.28	12.01	52.5
10.600	2.53	13.56		2.22	15.10	51.0
10.700	2.71	17.96		2.38	20.02	54.6
10.800	3.32	26.45		2.92	29.53	67.1
10.900	5.66	51.25		5.00	57.42	114.9
11.000	999.00	999.00		999.00	999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	28.77	0.00	22.13	0.00
1.100	0.6	4.6	24.36	0.00	18.74	0.00
1.200	0.4	3.1	20.12	0.00	15.48	0.00
1.300	0.2	1.5	16.11	0.00	12.39	0.00
1.400	0.0	0.0	12.38	0.00	9.53	0.00
1.500	-0.2	-1.6	-14.12	0.00	-10.86	0.00
1.600	-0.4	-3.2	-17.64	0.00	-13.57	0.00
1.700	-0.5	-4.7	-21.68	0.00	-16.68	0.00
1.800	-0.7	-6.3	-25.44	0.00	-19.57	0.00
1.900	-0.9	-7.8	-28.87	0.00	-22.21	0.00
2.000	-1.1	-9.4	-31.91	0.00	-24.55	0.00
2.000	0.8	-9.4	30.77	0.00	23.67	0.00
2.100	0.7	6.6	27.06	0.00	20.81	0.00
2.200	0.5	5.1	23.17	0.00	17.82	0.00
2.300	0.4	3.5	19.12	0.00	14.71	0.00
2.400	0.2	2.0	15.07	0.00	11.59	0.00
2.500	0.1	0.5	11.18	0.00	8.60	0.00
2.600	-0.1	-1.2	-14.95	0.00	-11.50	0.00
2.700	-0.2	-2.7	-18.99	0.00	-14.61	0.00
2.800	-0.4	-4.3	-23.05	0.00	-17.73	0.00
2.900	-0.6	-5.8	-26.96	0.00	-20.74	0.00
3.000	-0.7	-7.3	-30.54	0.00	-23.49	0.00
3.000	0.8	7.7	30.57	0.00	23.52	0.00
3.100	0.6	6.1	27.00	0.00	20.77	0.00
3.200	0.5	4.6	23.11	0.00	17.78	0.00
3.300	0.3	3.0	19.06	0.00	14.66	0.00
3.400	0.1	1.5	15.01	0.00	11.55	0.00
3.500	0.0	-0.1	11.14	0.00	8.57	0.00
3.600	-0.2	-1.7	-15.00	0.00	-11.54	0.00
3.700	-0.3	-3.2	-19.05	0.00	-14.65	0.00
3.800	-0.5	-4.8	-23.10	0.00	-17.77	0.00
3.900	-0.6	-6.3	-27.00	0.00	-20.77	0.00
4.000	-0.8	-7.9	-30.57	0.00	-23.51	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	30.57	0.00	23.51	0.00
4.100	0.6	6.2	27.00	0.00	20.77	0.00
4.200	0.5	4.7	23.11	0.00	17.77	0.00
4.300	0.3	3.2	19.05	0.00	14.66	0.00
4.400	0.2	1.6	15.01	0.00	11.55	0.00
4.500	0.0	0.1	11.13	0.00	8.56	0.00
4.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
4.700	-0.3	-3.1	-19.05	0.00	-14.66	0.00
4.800	-0.5	-4.7	-23.10	0.00	-17.77	0.00
4.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
5.000	-0.8	-7.7	-30.57	0.00	-23.51	0.00
5.000	0.8	7.7	30.57	0.00	23.51	0.00
5.100	0.6	6.2	27.00	0.00	20.77	0.00
5.200	0.5	4.7	23.10	0.00	17.77	0.00
5.300	0.3	3.1	19.05	0.00	14.66	0.00
5.400	0.2	1.6	15.01	0.00	11.55	0.00
5.500	0.0	0.1	11.13	0.00	8.56	0.00
5.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
5.700	-0.3	-3.2	-19.05	0.00	-14.66	0.00
5.800	-0.5	-4.7	-23.10	0.00	-17.77	0.00
5.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
6.000	-0.8	-7.8	-30.57	0.00	-23.51	0.00
6.000	0.8	7.8	30.57	0.00	23.51	0.00
6.100	0.6	6.2	27.00	0.00	20.77	0.00
6.200	0.5	4.7	23.10	0.00	17.77	0.00
6.300	0.3	3.2	19.05	0.00	14.66	0.00
6.400	0.2	1.6	15.01	0.00	11.55	0.00
6.500	0.0	0.1	11.13	0.00	8.56	0.00
6.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
6.700	-0.3	-3.1	-19.05	0.00	-14.66	0.00
6.800	-0.5	-4.7	-23.11	0.00	-17.77	0.00
6.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
7.000	-0.8	-7.7	-30.57	0.00	-23.51	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	30.57	0.00	23.51	0.00
7.100	0.6	6.2	27.00	0.00	20.77	0.00
7.200	0.5	4.7	23.10	0.00	17.77	0.00
7.300	0.3	3.1	19.05	0.00	14.66	0.00
7.400	0.2	1.6	15.01	0.00	11.55	0.00
7.500	0.0	0.1	11.13	0.00	8.56	0.00
7.600	-0.2	-1.6	-15.01	0.00	-11.55	0.00
7.700	-0.3	-3.2	-19.05	0.00	-14.66	0.00
7.800	-0.5	-4.7	-23.11	0.00	-17.77	0.00
7.900	-0.6	-6.2	-27.00	0.00	-20.77	0.00
8.000	-0.8	-7.8	-30.57	0.00	-23.51	0.00
8.000	0.8	7.9	30.57	0.00	23.51	0.00
8.100	0.6	6.3	27.00	0.00	20.77	0.00
8.200	0.5	4.8	23.10	0.00	17.77	0.00
8.300	0.3	3.2	19.05	0.00	14.65	0.00
8.400	0.2	1.7	15.00	0.00	11.54	0.00
8.500	0.0	0.2	-11.14	0.00	-8.57	0.00
8.600	-0.1	-1.5	-15.01	0.00	-11.55	0.00
8.700	-0.3	-3.0	-19.06	0.00	-14.66	0.00
8.800	-0.5	-4.6	-23.11	0.00	-17.78	0.00
8.900	-0.6	-6.1	-27.00	0.00	-20.77	0.00
9.000	-0.8	-7.7	-30.57	0.00	-23.52	0.00
9.000	0.7	-7.7	30.54	0.00	23.49	0.00
9.100	0.6	5.8	26.96	0.00	20.74	0.00
9.200	0.4	4.3	23.05	0.00	17.73	0.00
9.300	0.2	2.7	18.99	0.00	14.61	0.00
9.400	0.1	1.2	14.95	0.00	11.50	0.00
9.500	-0.1	-0.4	-11.18	0.00	-8.60	0.00
9.600	-0.2	-2.0	-15.07	0.00	-11.59	0.00
9.700	-0.4	-3.5	-19.12	0.00	-14.71	0.00
9.800	-0.5	-5.1	-23.17	0.00	-17.82	0.00
9.900	-0.7	-6.6	-27.06	0.00	-20.81	0.00
10.000	-0.8	-8.1	-30.61	0.00	-23.54	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	31.91	0.00	24.55	0.00
10.100	0.9	7.8	28.87	0.00	22.21	0.00
10.200	0.7	6.3	25.44	0.00	19.57	0.00
10.300	0.5	4.7	21.68	0.00	16.68	0.00
10.400	0.4	3.2	17.64	0.00	13.57	0.00
10.500	0.2	1.7	14.12	0.00	10.86	0.00
10.600	0.0	0.0	-12.38	0.00	-9.53	0.00
10.700	-0.2	-1.5	-16.11	0.00	-12.39	0.00
10.800	-0.4	-3.1	-20.12	0.00	-15.48	0.00
10.900	-0.6	-4.6	-24.36	0.00	-18.74	0.00
11.000	-0.7	-6.2	-28.77	0.00	-22.13	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	53.34	4.36	0.00	100.3
1.100	52.68	5.22	0.00	120.1
1.200	32.57	6.41	0.00	147.3
1.300	17.66	8.11	0.00	186.5
1.400	12.12	10.69	0.00	245.9
1.500	9.25	14.90	0.00	212.8
1.600	7.30	22.64	0.00	167.9
1.700	5.86	40.11	0.00	134.8
1.800	4.93	107.27	0.00	113.3
1.900	4.28	201.70	0.00	98.5
2.000	3.82	204.16	0.00	87.9
2.000	3.82	3.49	0.00	80.3
2.100	37.92	4.03	0.00	92.7
2.200	37.40	4.78	0.00	109.9
2.300	28.18	5.88	0.00	135.3
2.400	15.86	7.58	0.00	174.2
2.500	10.56	10.36	0.00	238.3
2.600	7.70	15.50	0.00	177.0
2.700	5.97	27.18	0.00	137.3
2.800	4.84	33.22	0.00	111.4
2.900	4.08	33.68	0.00	93.9
3.000	3.55	32.13	0.00	81.6
3.000	3.55	3.53	0.00	81.2
3.100	37.93	4.06	0.00	93.4
3.200	37.41	4.82	0.00	110.8
3.300	27.39	5.93	0.00	136.4
3.400	15.63	7.64	0.00	175.8
3.500	10.45	10.45	0.00	240.4
3.600	7.63	15.65	0.00	175.5
3.700	5.92	27.43	0.00	136.2
3.800	4.81	37.68	0.00	110.6
3.900	4.05	38.20	0.00	93.2
4.000	3.52	36.29	0.00	81.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.52	3.53	0.00	81.1
4.100	37.99	4.06	0.00	93.3
4.200	37.47	4.81	0.00	110.7
4.300	27.42	5.93	0.00	136.3
4.400	15.64	7.63	0.00	175.6
4.500	10.46	10.44	0.00	240.2
4.600	7.64	15.63	0.00	175.7
4.700	5.93	27.41	0.00	136.4
4.800	4.82	37.46	0.00	110.8
4.900	4.06	37.99	0.00	93.3
5.000	3.53	36.13	0.00	81.2
5.000	3.53	3.53	0.00	81.2
5.100	37.98	4.06	0.00	93.3
5.200	37.46	4.81	0.00	110.7
5.300	27.41	5.93	0.00	136.3
5.400	15.64	7.64	0.00	175.7
5.500	10.46	10.45	0.00	240.3
5.600	7.64	15.64	0.00	175.6
5.700	5.93	27.42	0.00	136.3
5.800	4.81	37.47	0.00	110.7
5.900	4.06	37.99	0.00	93.3
6.000	3.53	36.12	0.00	81.1
6.000	3.53	3.53	0.00	81.1
6.100	37.99	4.06	0.00	93.3
6.200	37.47	4.81	0.00	110.7
6.300	27.42	5.93	0.00	136.3
6.400	15.64	7.64	0.00	175.6
6.500	10.46	10.44	0.00	240.2
6.600	7.64	15.64	0.00	175.7
6.700	5.93	27.41	0.00	136.3
6.800	4.81	37.46	0.00	110.7
6.900	4.06	37.98	0.00	93.3
7.000	3.53	36.12	0.00	81.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.53	3.53	0.00	81.2
7.100	37.99	4.06	0.00	93.3
7.200	37.46	4.82	0.00	110.8
7.300	27.41	5.93	0.00	136.4
7.400	15.63	7.64	0.00	175.7
7.500	10.45	10.45	0.00	240.3
7.600	7.63	15.64	0.00	175.6
7.700	5.93	27.42	0.00	136.3
7.800	4.81	37.47	0.00	110.7
7.900	4.06	37.99	0.00	93.3
8.000	3.53	36.12	0.00	81.1
8.000	3.53	3.52	0.00	81.1
8.100	38.20	4.05	0.00	93.2
8.200	37.68	4.81	0.00	110.6
8.300	27.43	5.92	0.00	136.2
8.400	15.65	7.63	0.00	175.5
8.500	10.47	10.44	0.00	240.1
8.600	7.64	15.63	0.00	175.8
8.700	5.93	27.39	0.00	136.4
8.800	4.82	37.41	0.00	110.8
8.900	4.06	37.93	0.00	93.4
9.000	3.53	36.10	0.00	81.2
9.000	3.53	3.55	0.00	81.2
9.100	33.68	4.08	0.00	93.9
9.200	33.22	4.84	0.00	111.4
9.300	27.18	5.97	0.00	137.3
9.400	15.50	7.70	0.00	177.0
9.500	10.37	10.55	0.00	238.5
9.600	7.58	15.86	0.00	174.2
9.700	5.88	28.18	0.00	135.3
9.800	4.78	37.40	0.00	109.9
9.900	4.03	37.92	0.00	92.7
10.000	3.51	35.94	0.00	80.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.51	3.82	0.00	80.7
10.100	201.70	4.28	0.00	98.5
10.200	107.27	4.93	0.00	113.3
10.300	40.11	5.86	0.00	134.8
10.400	22.64	7.30	0.00	167.9
10.500	14.92	9.24	0.00	212.6
10.600	10.69	12.12	0.00	245.9
10.700	8.11	17.66	0.00	186.5
10.800	6.41	32.57	0.00	147.3
10.900	5.22	52.68	0.00	120.1
11.000	4.36	999.00	0.00	100.3

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.100 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
3.200 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
3.300 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
3.400 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
3.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
3.600 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
3.700 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
3.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
3.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.100	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
63.2								
6.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.300	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
89.0								
6.400	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
95.5								
6.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
6.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
6.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
6.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
6.900	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
63.4								
7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
44.2								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
7.100 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
7.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
7.300 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
7.400 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
7.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
7.600 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
7.700 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
7.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
7.900 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
8.100 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
8.200 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
8.300 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
8.400 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
8.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
8.600 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
8.700 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
8.800 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
8.900 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.21	53.21	5.21	53.21	0.00	119.8
1.200	3.05	27.43	3.05	27.43	0.00	70.0
1.300	2.48	18.62	2.48	18.62	0.00	57.1
1.400	2.32	14.05	2.32	14.05	0.00	53.3
1.500	2.38	11.17	2.38	11.17	0.00	54.8
1.600	2.75	9.14	2.75	9.14	0.00	63.2
1.700	3.49	7.59	3.49	7.59	0.00	80.3
1.800	5.88	6.35	5.88	6.35	0.00	135.1
1.900	22.41	5.31	22.41	5.31	0.00	122.1
2.000	21.54	3.85	21.54	3.85	0.00	88.5
2.000	18.52	3.14	18.52	3.14	0.00	72.3
2.100	28.43	4.07	28.43	4.07	0.00	93.6
2.200	5.62	5.06	5.62	5.06	0.00	116.4
2.300	3.48	6.36	3.48	6.36	0.00	80.1
2.400	2.85	8.22	2.85	8.22	0.00	65.6
2.500	2.65	11.19	2.65	11.19	0.00	60.9
2.600	2.82	9.33	2.82	9.33	0.00	64.8
2.700	3.40	7.27	3.40	7.27	0.00	78.1
2.800	5.38	5.83	5.38	5.83	0.00	123.8
2.900	19.65	4.73	19.65	4.73	0.00	108.8
3.000	16.22	3.50	16.22	3.50	0.00	80.6
3.000	16.22	3.50	16.22	3.50	0.00	80.6
3.100	17.45	4.77	17.45	4.77	0.00	109.8
3.200	5.36	5.89	5.36	5.89	0.00	123.2
3.300	3.36	7.36	3.36	7.36	0.00	77.3
3.400	2.78	9.46	2.78	9.46	0.00	63.8
3.500	2.59	12.76	2.59	12.76	0.00	59.7
3.600	2.78	9.40	2.78	9.40	0.00	64.0
3.700	3.37	7.30	3.37	7.30	0.00	77.6
3.800	5.39	5.83	5.39	5.83	0.00	123.9
3.900	19.77	4.71	19.77	4.71	0.00	108.3
4.000	18.40	3.46	18.40	3.46	0.00	79.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	18.40	3.46	18.40	3.46	0.00	79.6
4.100	19.88	4.70	19.88	4.70	0.00	108.2
4.200	5.39	5.82	5.39	5.82	0.00	124.1
4.300	3.38	7.28	3.38	7.28	0.00	77.8
4.400	2.79	9.37	2.79	9.37	0.00	64.2
4.500	2.60	12.71	2.60	12.71	0.00	59.9
4.600	2.79	9.37	2.79	9.37	0.00	64.1
4.700	3.38	7.29	3.38	7.29	0.00	77.7
4.800	5.38	5.83	5.38	5.83	0.00	123.8
4.900	19.74	4.72	19.74	4.72	0.00	108.5
5.000	18.36	3.47	18.36	3.47	0.00	79.9
5.000	18.36	3.47	18.36	3.47	0.00	79.9
5.100	19.75	4.72	19.75	4.72	0.00	108.5
5.200	5.38	5.83	5.38	5.83	0.00	123.8
5.300	3.38	7.30	3.38	7.30	0.00	77.7
5.400	2.79	9.38	2.79	9.38	0.00	64.1
5.500	2.60	12.72	2.60	12.72	0.00	59.8
5.600	2.79	9.38	2.79	9.38	0.00	64.1
5.700	3.38	7.29	3.38	7.29	0.00	77.7
5.800	5.39	5.83	5.39	5.83	0.00	123.9
5.900	19.76	4.71	19.76	4.71	0.00	108.4
6.000	18.37	3.47	18.37	3.47	0.00	79.8
6.000	18.37	3.47	18.37	3.47	0.00	79.8
6.100	19.76	4.71	19.76	4.71	0.00	108.4
6.200	5.39	5.83	5.39	5.83	0.00	123.9
6.300	3.38	7.29	3.38	7.29	0.00	77.7
6.400	2.79	9.38	2.79	9.38	0.00	64.1
6.500	2.60	12.72	2.60	12.72	0.00	59.8
6.600	2.79	9.38	2.79	9.38	0.00	64.1
6.700	3.38	7.30	3.38	7.30	0.00	77.7
6.800	5.38	5.83	5.38	5.83	0.00	123.8
6.900	19.75	4.72	19.75	4.72	0.00	108.5
7.000	18.36	3.47	18.36	3.47	0.00	79.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	18.36	3.47	18.36	3.47	0.00	79.9
7.100	19.74	4.72	19.74	4.72	0.00	108.5
7.200	5.38	5.83	5.38	5.83	0.00	123.8
7.300	3.38	7.29	3.38	7.29	0.00	77.7
7.400	2.79	9.37	2.79	9.37	0.00	64.1
7.500	2.60	12.71	2.60	12.71	0.00	59.9
7.600	2.79	9.37	2.79	9.37	0.00	64.2
7.700	3.38	7.28	3.38	7.28	0.00	77.8
7.800	5.39	5.82	5.39	5.82	0.00	124.1
7.900	19.88	4.70	19.88	4.70	0.00	108.2
8.000	18.40	3.46	18.40	3.46	0.00	79.6
8.000	18.40	3.46	18.40	3.46	0.00	79.6
8.100	19.77	4.71	19.77	4.71	0.00	108.3
8.200	5.39	5.83	5.39	5.83	0.00	123.9
8.300	3.37	7.30	3.37	7.30	0.00	77.6
8.400	2.78	9.40	2.78	9.40	0.00	64.0
8.500	2.59	12.76	2.59	12.76	0.00	59.7
8.600	2.78	9.46	2.78	9.46	0.00	63.8
8.700	3.36	7.36	3.36	7.36	0.00	77.3
8.800	5.36	5.89	5.36	5.89	0.00	123.2
8.900	17.45	4.77	17.45	4.77	0.00	109.8
9.000	16.22	3.50	16.22	3.50	0.00	80.6
9.000	16.22	3.50	16.22	3.50	0.00	80.6
9.100	19.65	4.73	19.65	4.73	0.00	108.8
9.200	5.38	5.83	5.38	5.83	0.00	123.7
9.300	3.40	7.27	3.40	7.27	0.00	78.1
9.400	2.82	9.33	2.82	9.33	0.00	64.8
9.500	2.65	11.19	2.65	11.19	0.00	60.9
9.600	2.85	8.22	2.85	8.22	0.00	65.6
9.700	3.48	6.36	3.48	6.36	0.00	80.1
9.800	5.62	5.06	5.62	5.06	0.00	116.4
9.900	28.43	4.07	28.43	4.07	0.00	93.6
10.000	18.52	3.14	18.52	3.14	0.00	72.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	18.52	3.14	18.52	3.14	0.00	72.3
10.100	22.41	5.31	22.41	5.31	0.00	122.1
10.200	5.88	6.35	5.88	6.35	0.00	135.1
10.300	3.49	7.59	3.49	7.59	0.00	80.3
10.400	2.75	9.14	2.75	9.14	0.00	63.2
10.500	2.38	11.17	2.38	11.17	0.00	54.8
10.600	2.32	14.05	2.32	14.05	0.00	53.3
10.700	2.48	18.62	2.48	18.62	0.00	57.1
10.800	3.05	27.43	3.05	27.43	0.00	70.0
10.900	5.21	53.21	5.21	53.21	0.00	119.8
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	62.26 R	0.00	47.89	0.00
1.200	2.8	23.1	100.96 R	0.00	77.66	0.00
1.300	3.5	28.9	126.12 R	0.00	97.01	0.00
1.400	3.7	30.8	137.69 R	0.00	105.92	0.00
1.500	3.5	28.9	133.85 L	0.00	102.96	0.00
1.600	2.8	22.8	119.88 L	0.00	92.22	0.00
1.700	1.7	12.9	93.34 L	0.00	71.80	0.00
1.800	0.1	-0.9	-56.55 R	0.00	-43.50	0.00
1.900	-2.0	-18.5	-63.62 R	0.00	-48.94	0.00
2.000	-4.5	-40.0	-90.16 R	0.00	-69.35	0.00
2.000	-4.5	-40.0	-90.16 R	0.00	-69.35	0.00
2.100	-2.6	-21.5	-67.84 L	0.00	-52.18	0.00
2.200	-1.0	-6.9	-57.99 L	0.00	-44.60	0.00
2.300	0.1	3.9	81.20 R	0.00	62.46	0.00
2.400	0.8	10.8	100.69 R	0.00	77.45	0.00
2.500	1.2	13.9	104.34 R	0.00	80.26	0.00
2.600	1.1	12.8	101.08 L	0.00	77.76	0.00
2.700	0.7	7.8	81.93 L	0.00	63.03	0.00
2.800	-0.1	-0.9	-51.71 R	0.00	-39.77	0.00
2.900	-1.3	-13.5	-60.54 R	0.00	-46.57	0.00
3.000	-2.9	-30.0	-83.21 L	0.00	-64.01	0.00
3.000	-2.9	-30.0	-83.21 L	0.00	-64.01	0.00
3.100	-1.2	-12.8	-60.20 L	0.00	-46.31	0.00
3.200	0.1	0.5	-51.46 L	0.00	-39.59	0.00
3.300	1.0	10.0	82.00 R	0.00	63.08	0.00
3.400	1.6	15.7	101.33 R	0.00	77.94	0.00
3.500	1.7	17.5	104.77 L	0.00	80.59	0.00
3.600	1.5	15.2	101.35 L	0.00	77.96	0.00
3.700	0.9	9.0	82.05 L	0.00	63.12	0.00
3.800	-0.1	-1.1	-51.70 R	0.00	-39.77	0.00
3.900	-1.5	-15.0	-60.49 R	0.00	-46.53	0.00
4.000	-3.3	-32.7	-83.16 L	0.00	-63.97	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-83.16 L 0.00	-63.97 0.00
4.100	-1.6	-15.2	-60.46 L 0.00	-46.51 0.00
4.200	-0.2	-1.5	-51.68 L 0.00	-39.76 0.00
4.300	0.8	8.4	82.06 R 0.00	63.12 0.00
4.400	1.4	14.4	101.37 R 0.00	77.98 0.00
4.500	1.6	16.5	104.80 L 0.00	80.62 0.00
4.600	1.4	14.5	101.37 L 0.00	77.98 0.00
4.700	0.8	8.7	82.06 L 0.00	63.12 0.00
4.800	-0.1	-1.0	-51.70 R 0.00	-39.77 0.00
4.900	-1.5	-14.6	-60.48 R 0.00	-46.53 0.00
5.000	-3.2	-32.0	-83.16 L 0.00	-63.97 0.00
5.000	-3.2	-32.0	-83.16 L 0.00	-63.97 0.00
5.100	-1.5	-14.5	-60.48 L 0.00	-46.53 0.00
5.200	-0.1	-0.9	-51.70 L 0.00	-39.77 0.00
5.300	0.9	8.8	82.06 R 0.00	63.12 0.00
5.400	1.4	14.7	101.37 R 0.00	77.98 0.00
5.500	1.6	16.8	104.80 R 0.00	80.62 0.00
5.600	1.4	14.7	101.37 L 0.00	77.98 0.00
5.700	0.8	8.7	82.06 L 0.00	63.12 0.00
5.800	-0.1	-1.1	-51.70 R 0.00	-39.77 0.00
5.900	-1.5	-14.7	-60.48 R 0.00	-46.53 0.00
6.000	-3.3	-32.2	-83.16 R 0.00	-63.97 0.00
6.000	-3.3	-32.2	-83.16 R 0.00	-63.97 0.00
6.100	-1.5	-14.7	-60.48 L 0.00	-46.53 0.00
6.200	-0.1	-1.1	-51.70 L 0.00	-39.77 0.00
6.300	0.8	8.7	82.06 R 0.00	63.13 0.00
6.400	1.4	14.7	101.37 R 0.00	77.98 0.00
6.500	1.6	16.8	104.80 R 0.00	80.62 0.00
6.600	1.4	14.7	101.37 L 0.00	77.98 0.00
6.700	0.9	8.8	82.06 L 0.00	63.12 0.00
6.800	-0.1	-0.9	-51.70 R 0.00	-39.77 0.00
6.900	-1.5	-14.5	-60.48 R 0.00	-46.53 0.00
7.000	-3.2	-32.0	-83.16 R 0.00	-63.97 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-32.0	-83.16 R 0.00	-63.97 0.00
7.100	-1.5	-14.6	-60.48 L 0.00	-46.53 0.00
7.200	-0.1	-1.0	-51.70 L 0.00	-39.77 0.00
7.300	0.8	8.7	82.06 R 0.00	63.12 0.00
7.400	1.4	14.5	101.37 R 0.00	77.98 0.00
7.500	1.6	16.5	104.80 R 0.00	80.62 0.00
7.600	1.4	14.4	101.37 L 0.00	77.98 0.00
7.700	0.8	8.4	82.06 L 0.00	63.12 0.00
7.800	-0.2	-1.5	-51.68 R 0.00	-39.76 0.00
7.900	-1.6	-15.2	-60.46 R 0.00	-46.51 0.00
8.000	-3.3	-32.7	-83.16 R 0.00	-63.97 0.00
8.000	-3.3	-32.7	-83.16 R 0.00	-63.97 0.00
8.100	-1.5	-15.0	-60.49 L 0.00	-46.53 0.00
8.200	-0.1	-1.1	-51.70 L 0.00	-39.77 0.00
8.300	0.9	9.0	82.05 R 0.00	63.12 0.00
8.400	1.5	15.2	101.35 R 0.00	77.96 0.00
8.500	1.7	17.5	104.77 R 0.00	80.59 0.00
8.600	1.6	15.7	101.32 L 0.00	77.94 0.00
8.700	1.0	10.0	82.00 L 0.00	63.08 0.00
8.800	0.1	0.5	-51.46 R 0.00	-39.59 0.00
8.900	-1.2	-12.8	-60.20 R 0.00	-46.31 0.00
9.000	-2.9	-30.0	-83.21 R 0.00	-64.01 0.00
9.000	-2.9	-30.0	-83.21 R 0.00	-64.01 0.00
9.100	-1.3	-13.5	-60.54 L 0.00	-46.57 0.00
9.200	-0.1	-0.9	-51.71 L 0.00	-39.77 0.00
9.300	0.7	7.8	81.93 R 0.00	63.03 0.00
9.400	1.1	12.8	101.08 R 0.00	77.76 0.00
9.500	1.2	13.9	104.34 L 0.00	80.26 0.00
9.600	0.8	10.8	100.69 L 0.00	77.45 0.00
9.700	0.1	3.9	81.20 L 0.00	62.46 0.00
9.800	-1.0	-6.9	-57.99 R 0.00	-44.60 0.00
9.900	-2.6	-21.5	-67.84 R 0.00	-52.18 0.00
10.000	-4.5	-40.0	-90.16 L 0.00	-69.35 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.5	-40.0	-90.16	L 0.00	-69.35	0.00
10.100	-2.0	-18.5	-63.62	L 0.00	-48.94	0.00
10.200	0.1	-0.9	-56.55	L 0.00	-43.50	0.00
10.300	1.7	12.9	93.34	R 0.00	71.80	0.00
10.400	2.8	22.8	119.88	R 0.00	92.22	0.00
10.500	3.5	28.9	133.85	R 0.00	102.96	0.00
10.600	3.7	30.8	137.69	L 0.00	105.92	0.00
10.700	3.5	28.9	126.12	L 0.00	97.01	0.00
10.800	2.8	23.1	100.96	L 0.00	77.66	0.00
10.900	1.6	13.5	62.26	L 0.00	47.89	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
8	1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
5	1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
0	1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
2	1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
0	1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
3	1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
2	1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
9	1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
2	1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2	2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2	2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
6	2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
7	2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2	2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
7	2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
5	2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2	2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
6	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
8	2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Moment

Span	Rating		Factor	Rating		Load Capacity (tons)
	top fiber +bend	fiber -bend		bottom fiber +bend	fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.53	47.32	4.89	53.02	0.00	132.0
1.200	3.31	24.42	2.91	27.27	0.00	78.5
1.300	2.60	16.59	2.28	18.49	0.00	61.5
1.400	2.36	12.52	2.07	13.94	0.00	55.9
1.500	2.45	9.95	2.14	11.09	0.00	57.9
1.600	2.79	8.14	2.45	9.08	0.00	66.2
1.700	3.70	6.75	3.27	7.56	0.00	88.2
1.800	6.81	5.63	6.05	6.35	0.00	152.1
1.900	22.62	4.70	20.23	5.33	0.00	126.9
2.000	21.34	3.05	19.21	3.50	0.00	82.3
2.000	18.22	2.49	16.53	2.84	0.00	67.1
2.100	32.58	3.61	29.38	4.08	0.00	97.3
2.200	6.55	4.50	5.87	5.05	0.00	121.4
2.300	3.65	5.66	3.26	6.33	0.00	88.0
2.400	2.87	7.32	2.55	8.16	0.00	68.9
2.500	2.74	9.98	2.43	11.10	0.00	65.6
2.600	2.84	8.30	2.52	9.24	0.00	68.0
2.700	3.57	6.47	3.17	7.21	0.00	85.7
2.800	6.28	5.18	5.62	5.79	0.00	139.7
2.900	19.73	4.19	17.73	4.72	0.00	113.2
3.000	16.02	2.83	14.49	3.22	0.00	76.5
3.000	16.02	2.83	14.49	3.22	0.00	76.5
3.100	17.49	4.23	15.71	4.76	0.00	114.2
3.200	6.26	5.23	5.59	5.85	0.00	141.3
3.300	3.53	6.55	3.14	7.30	0.00	84.8
3.400	2.80	8.41	2.48	9.36	0.00	67.0
3.500	2.69	11.36	2.38	12.62	0.00	64.3
3.600	2.80	8.36	2.49	9.30	0.00	67.1
3.700	3.54	6.49	3.15	7.24	0.00	85.2
3.800	6.29	5.17	5.62	5.79	0.00	139.7
3.900	19.85	4.17	17.85	4.70	0.00	112.6
4.000	18.14	2.80	16.41	3.18	0.00	75.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
4.000	18.14	2.80	16.41	3.18	0.00	75.5
4.100	19.96	4.17	17.95	4.70	0.00	112.5
4.200	6.30	5.17	5.63	5.78	0.00	139.5
4.300	3.55	6.47	3.16	7.22	0.00	85.4
4.400	2.81	8.34	2.49	9.27	0.00	67.4
4.500	2.70	11.31	2.39	12.57	0.00	64.5
4.600	2.81	8.34	2.49	9.27	0.00	67.3
4.700	3.55	6.48	3.16	7.23	0.00	85.3
4.800	6.29	5.17	5.62	5.79	0.00	139.7
4.900	19.82	4.18	17.82	4.70	0.00	112.8
5.000	18.09	2.81	16.37	3.19	0.00	75.8
5.000	18.09	2.81	16.37	3.19	0.00	75.8
5.100	19.83	4.18	17.82	4.71	0.00	112.8
5.200	6.28	5.18	5.62	5.80	0.00	139.8
5.300	3.55	6.49	3.16	7.23	0.00	85.2
5.400	2.81	8.34	2.49	9.28	0.00	67.3
5.500	2.69	11.32	2.39	12.58	0.00	64.5
5.600	2.81	8.34	2.49	9.28	0.00	67.3
5.700	3.55	6.48	3.16	7.23	0.00	85.2
5.800	6.29	5.17	5.62	5.79	0.00	139.7
5.900	19.83	4.17	17.83	4.70	0.00	112.7
6.000	18.11	2.80	16.39	3.19	0.00	75.7
6.000	18.11	2.80	16.39	3.19	0.00	75.7
6.100	19.83	4.17	17.83	4.70	0.00	112.7
6.200	6.29	5.17	5.62	5.79	0.00	139.7
6.300	3.55	6.48	3.16	7.23	0.00	85.2
6.400	2.81	8.34	2.49	9.28	0.00	67.3
6.500	2.69	11.32	2.39	12.58	0.00	64.5
6.600	2.81	8.34	2.49	9.28	0.00	67.3
6.700	3.55	6.49	3.16	7.23	0.00	85.2
6.800	6.29	5.18	5.62	5.80	0.00	139.8
6.900	19.83	4.18	17.82	4.71	0.00	112.8
7.000	18.09	2.81	16.37	3.19	0.00	75.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
7.000	18.09	2.81	16.37	3.19	0.00	75.8
7.100	19.82	4.18	17.82	4.70	0.00	112.8
7.200	6.29	5.17	5.62	5.79	0.00	139.7
7.300	3.55	6.48	3.16	7.23	0.00	85.3
7.400	2.81	8.34	2.49	9.27	0.00	67.3
7.500	2.70	11.31	2.39	12.57	0.00	64.5
7.600	2.81	8.34	2.49	9.27	0.00	67.4
7.700	3.55	6.47	3.16	7.22	0.00	85.4
7.800	6.30	5.17	5.63	5.78	0.00	139.5
7.900	19.96	4.17	17.95	4.70	0.00	112.5
8.000	18.14	2.80	16.41	3.18	0.00	75.5
8.000	18.14	2.80	16.41	3.18	0.00	75.5
8.100	19.85	4.17	17.85	4.70	0.00	112.6
8.200	6.29	5.17	5.62	5.79	0.00	139.7
8.300	3.54	6.49	3.15	7.24	0.00	85.2
8.400	2.80	8.36	2.49	9.30	0.00	67.1
8.500	2.69	11.36	2.38	12.62	0.00	64.3
8.600	2.80	8.41	2.48	9.36	0.00	67.0
8.700	3.53	6.55	3.14	7.30	0.00	84.8
8.800	6.26	5.23	5.59	5.86	0.00	141.3
8.900	17.49	4.23	15.71	4.76	0.00	114.2
9.000	16.02	2.83	14.49	3.22	0.00	76.5
9.000	16.02	2.83	14.49	3.22	0.00	76.5
9.100	19.73	4.19	17.73	4.72	0.00	113.2
9.200	6.28	5.18	5.62	5.79	0.00	139.7
9.300	3.57	6.47	3.17	7.21	0.00	85.7
9.400	2.84	8.30	2.52	9.24	0.00	68.0
9.500	2.74	9.98	2.43	11.10	0.00	65.6
9.600	2.87	7.32	2.55	8.16	0.00	68.9
9.700	3.65	5.66	3.26	6.33	0.00	88.0
9.800	6.55	4.50	5.87	5.05	0.00	121.4
9.900	32.58	3.61	29.38	4.08	0.00	97.3
10.000	18.22	2.49	16.53	2.84	0.00	67.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	21.34	2.49	16.53	3.50	0.00	67.1
10.100	22.62	4.70	20.23	5.33	0.00	126.9
10.200	6.81	5.63	6.05	6.35	0.00	152.1
10.300	3.70	6.75	3.27	7.56	0.00	88.2
10.400	2.79	8.14	2.45	9.08	0.00	66.2
10.500	2.45	9.95	2.14	11.09	0.00	57.9
10.600	2.36	12.52	2.07	13.94	0.00	55.9
10.700	2.60	16.59	2.28	18.49	0.00	61.5
10.800	3.31	24.42	2.91	27.27	0.00	78.5
10.900	5.53	47.32	4.89	53.02	0.00	132.0
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	29.87	0.00	22.97	0.00
1.100	0.6	4.6	24.90	0.00	19.16	0.00
1.200	0.4	3.1	20.19	0.00	15.53	0.00
1.300	0.2	1.5	15.89	0.00	12.22	0.00
1.400	0.0	0.0	11.80	0.00	9.08	0.00
1.500	-0.2	-1.6	-14.21	0.00	-10.93	0.00
1.600	-0.4	-3.2	-18.09	0.00	-13.92	0.00
1.700	-0.5	-4.7	-22.18	0.00	-17.06	0.00
1.800	-0.7	-6.3	-26.13	0.00	-20.10	0.00
1.900	-0.9	-7.8	-30.41	0.00	-23.39	0.00
2.000	-1.1	-9.4	-34.28	0.00	-26.37	0.00
2.000	0.8	-9.4	32.52	0.00	25.01	0.00
2.100	0.7	6.6	28.06	0.00	21.59	0.00
2.200	0.5	5.1	23.81	0.00	18.32	0.00
2.300	0.4	3.5	19.55	0.00	15.04	0.00
2.400	0.2	2.0	15.06	0.00	11.58	0.00
2.500	0.1	0.5	10.46	0.00	8.04	0.00
2.600	-0.1	-1.2	-14.93	0.00	-11.48	0.00
2.700	-0.2	-2.7	-19.42	0.00	-14.94	0.00
2.800	-0.4	-4.3	-23.67	0.00	-18.20	0.00
2.900	-0.6	-5.8	-27.94	0.00	-21.49	0.00
3.000	-0.7	-7.3	-32.28	0.00	-24.83	0.00
3.000	0.8	7.7	32.33	0.00	24.87	0.00
3.100	0.6	6.1	28.00	0.00	21.54	0.00
3.200	0.5	4.6	23.72	0.00	18.24	0.00
3.300	0.3	3.0	19.48	0.00	14.99	0.00
3.400	0.1	1.5	15.00	0.00	11.54	0.00
3.500	0.0	-0.1	10.40	0.00	8.00	0.00
3.600	-0.2	-1.7	-14.99	0.00	-11.53	0.00
3.700	-0.3	-3.2	-19.48	0.00	-14.98	0.00
3.800	-0.5	-4.8	-23.71	0.00	-18.24	0.00
3.900	-0.6	-6.3	-27.99	0.00	-21.53	0.00
4.000	-0.8	-7.9	-32.32	0.00	-24.86	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	32.33	0.00	24.87	0.00
4.100	0.6	6.2	28.00	0.00	21.54	0.00
4.200	0.5	4.7	23.71	0.00	18.24	0.00
4.300	0.3	3.2	19.48	0.00	14.98	0.00
4.400	0.2	1.6	14.99	0.00	11.53	0.00
4.500	0.0	0.1	10.40	0.00	8.00	0.00
4.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
4.700	-0.3	-3.1	-19.48	0.00	-14.98	0.00
4.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
4.900	-0.6	-6.2	-28.00	0.00	-21.53	0.00
5.000	-0.8	-7.7	-32.33	0.00	-24.87	0.00
5.000	0.8	7.7	32.33	0.00	24.87	0.00
5.100	0.6	6.2	28.00	0.00	21.54	0.00
5.200	0.5	4.7	23.71	0.00	18.24	0.00
5.300	0.3	3.1	19.48	0.00	14.98	0.00
5.400	0.2	1.6	14.99	0.00	11.53	0.00
5.500	0.0	0.1	10.39	0.00	8.00	0.00
5.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
5.700	-0.3	-3.2	-19.48	0.00	-14.98	0.00
5.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
5.900	-0.6	-6.2	-28.00	0.00	-21.54	0.00
6.000	-0.8	-7.8	-32.33	0.00	-24.87	0.00
6.000	0.8	7.8	32.33	0.00	24.87	0.00
6.100	0.6	6.2	28.00	0.00	21.54	0.00
6.200	0.5	4.7	23.71	0.00	18.24	0.00
6.300	0.3	3.2	19.48	0.00	14.98	0.00
6.400	0.2	1.6	14.99	0.00	11.53	0.00
6.500	0.0	0.1	10.39	0.00	8.00	0.00
6.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
6.700	-0.3	-3.1	-19.48	0.00	-14.98	0.00
6.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
6.900	-0.6	-6.2	-28.00	0.00	-21.54	0.00
7.000	-0.8	-7.7	-32.33	0.00	-24.87	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
 Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	32.32	0.00	24.87	0.00
7.100	0.6	6.2	28.00	0.00	21.53	0.00
7.200	0.5	4.7	23.71	0.00	18.24	0.00
7.300	0.3	3.1	19.48	0.00	14.98	0.00
7.400	0.2	1.6	14.99	0.00	11.53	0.00
7.500	0.0	0.1	-10.40	0.00	8.00	0.00
7.600	-0.2	-1.6	-14.99	0.00	-11.53	0.00
7.700	-0.3	-3.2	-19.48	0.00	-14.98	0.00
7.800	-0.5	-4.7	-23.71	0.00	-18.24	0.00
7.900	-0.6	-6.2	-28.00	0.00	-21.54	0.00
8.000	-0.8	-7.8	-32.33	0.00	-24.87	0.00
8.000	0.8	7.9	32.32	0.00	24.86	0.00
8.100	0.6	6.3	27.99	0.00	21.53	0.00
8.200	0.5	4.8	23.71	0.00	18.24	0.00
8.300	0.3	3.2	19.48	0.00	14.98	0.00
8.400	0.2	1.7	14.99	0.00	11.53	0.00
8.500	0.0	0.2	-10.40	0.00	-8.00	0.00
8.600	-0.1	-1.5	-15.00	0.00	-11.54	0.00
8.700	-0.3	-3.0	-19.48	0.00	-14.99	0.00
8.800	-0.5	-4.6	-23.72	0.00	-18.24	0.00
8.900	-0.6	-6.1	-28.00	0.00	-21.54	0.00
9.000	-0.8	-7.7	-32.33	0.00	-24.87	0.00
9.000	0.7	-7.7	32.28	0.00	24.83	0.00
9.100	0.6	5.8	27.94	0.00	21.49	0.00
9.200	0.4	4.3	23.67	0.00	18.20	0.00
9.300	0.2	2.7	19.42	0.00	14.94	0.00
9.400	0.1	1.2	14.93	0.00	11.48	0.00
9.500	-0.1	-0.4	-10.46	0.00	-8.04	0.00
9.600	-0.2	-2.0	-15.06	0.00	-11.58	0.00
9.700	-0.4	-3.5	-19.55	0.00	-15.04	0.00
9.800	-0.5	-5.1	-23.81	0.00	-18.32	0.00
9.900	-0.7	-6.6	-28.06	0.00	-21.59	0.00
10.000	-0.8	-8.1	-32.38	0.00	-24.91	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	34.28	0.00	26.37	0.00
10.100	0.9	7.8	30.41	0.00	23.39	0.00
10.200	0.7	6.3	26.13	0.00	20.10	0.00
10.300	0.5	4.7	22.18	0.00	17.06	0.00
10.400	0.4	3.2	18.09	0.00	13.92	0.00
10.500	0.2	1.7	14.21	0.00	10.93	0.00
10.600	0.0	0.0	-12.28	0.00	-9.44	0.00
10.700	-0.2	-1.5	-15.89	0.00	-12.22	0.00
10.800	-0.4	-3.1	-20.19	0.00	-15.53	0.00
10.900	-0.6	-4.6	-24.90	0.00	-19.16	0.00
11.000	-0.7	-6.2	-29.87	0.00	-22.97	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	49.44	4.20	0.00	113.4
1.100	48.82	5.11	0.00	137.9
1.200	39.55	6.39	0.00	172.4
1.300	21.45	8.22	0.00	222.0
1.400	13.05	11.22	0.00	302.9
1.500	9.20	16.29	0.00	248.3
1.600	7.12	26.51	0.00	192.2
1.700	5.73	54.68	0.00	154.7
1.800	4.80	184.65	0.00	129.6
1.900	4.07	186.92	0.00	109.8
2.000	3.56	189.20	0.00	96.0
2.000	3.56	3.30	0.00	89.2
2.100	35.14	3.89	0.00	104.9
2.200	34.66	4.65	0.00	125.6
2.300	34.18	5.75	0.00	155.3
2.400	18.75	7.58	0.00	204.7
2.500	11.32	11.08	0.00	299.2
2.600	7.71	18.12	0.00	208.2
2.700	5.84	30.41	0.00	157.6
2.800	4.72	30.84	0.00	127.4
2.900	3.94	31.15	0.00	106.3
3.000	3.36	29.72	0.00	90.6
3.000	3.36	3.34	0.00	90.2
3.100	35.15	3.92	0.00	105.7
3.200	34.67	4.70	0.00	126.8
3.300	34.18	5.80	0.00	156.7
3.400	18.26	7.65	0.00	206.5
3.500	11.19	11.20	0.00	302.3
3.600	7.64	18.29	0.00	206.2
3.700	5.79	34.43	0.00	156.4
3.800	4.69	34.92	0.00	126.5
3.900	3.91	35.27	0.00	105.5
4.000	3.33	33.51	0.00	90.0

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.33	3.34	0.00	90.0
4.100	35.21	3.91	0.00	105.6
4.200	34.73	4.69	0.00	126.6
4.300	34.24	5.80	0.00	156.5
4.400	18.28	7.64	0.00	206.3
4.500	11.20	11.19	0.00	302.0
4.600	7.65	18.27	0.00	206.4
4.700	5.80	34.24	0.00	156.6
4.800	4.69	34.72	0.00	126.7
4.900	3.91	35.07	0.00	105.7
5.000	3.34	33.36	0.00	90.1
5.000	3.34	3.34	0.00	90.1
5.100	35.20	3.91	0.00	105.6
5.200	34.71	4.69	0.00	126.7
5.300	34.23	5.80	0.00	156.5
5.400	18.28	7.64	0.00	206.4
5.500	11.20	11.19	0.00	302.1
5.600	7.64	18.28	0.00	206.4
5.700	5.80	34.24	0.00	156.5
5.800	4.69	34.72	0.00	126.6
5.900	3.91	35.08	0.00	105.6
6.000	3.34	33.35	0.00	90.1
6.000	3.34	3.34	0.00	90.1
6.100	35.21	3.91	0.00	105.6
6.200	34.72	4.69	0.00	126.6
6.300	34.24	5.80	0.00	156.5
6.400	18.28	7.64	0.00	206.4
6.500	11.20	11.19	0.00	302.1
6.600	7.64	18.28	0.00	206.4
6.700	5.80	34.23	0.00	156.5
6.800	4.69	34.71	0.00	126.7
6.900	3.91	35.07	0.00	105.6
7.000	3.34	33.35	0.00	90.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.34	3.34	0.00	90.1
7.100	35.20	3.91	0.00	105.7
7.200	34.72	4.69	0.00	126.7
7.300	34.24	5.80	0.00	156.6
7.400	18.27	7.65	0.00	206.4
7.500	11.20	11.19	0.00	302.2
7.600	7.64	18.28	0.00	206.3
7.700	5.80	34.24	0.00	156.5
7.800	4.69	34.72	0.00	126.6
7.900	3.91	35.08	0.00	105.6
8.000	3.34	33.35	0.00	90.0
8.000	3.34	3.33	0.00	90.0
8.100	35.40	3.91	0.00	105.5
8.200	34.92	4.69	0.00	126.5
8.300	34.43	5.79	0.00	156.4
8.400	18.29	7.64	0.00	206.2
8.500	11.21	11.18	0.00	301.9
8.600	7.65	18.26	0.00	206.5
8.700	5.80	34.18	0.00	156.7
8.800	4.70	34.67	0.00	126.8
8.900	3.92	35.02	0.00	105.7
9.000	3.34	33.33	0.00	90.2
9.000	3.34	3.36	0.00	90.2
9.100	31.27	3.94	0.00	106.3
9.200	30.84	4.72	0.00	127.4
9.300	30.41	5.84	0.00	157.6
9.400	18.12	7.71	0.00	208.2
9.500	11.09	11.31	0.00	299.5
9.600	7.58	18.75	0.00	204.7
9.700	5.75	34.18	0.00	155.3
9.800	4.65	34.66	0.00	125.6
9.900	3.89	35.01	0.00	104.9
10.000	3.32	33.18	0.00	89.5

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.32	3.56	0.00	89.5
10.100	186.92	4.07	0.00	109.8
10.200	184.64	4.80	0.00	129.6
10.300	54.68	5.73	0.00	154.7
10.400	26.51	7.12	0.00	192.2
10.500	16.30	9.19	0.00	248.1
10.600	10.78	13.05	0.00	291.1
10.700	8.22	21.45	0.00	222.0
10.800	6.39	39.55	0.00	172.4
10.900	5.11	48.82	0.00	137.9
11.000	4.20	999.00	0.00	113.4

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.000	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
46.5								
3.100	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
65.4								
3.200	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
80.0								
3.300	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
90.5								
3.400	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
96.7								
3.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
98.6								
3.600	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
96.1								
3.700	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
89.2								
3.800	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
3.900	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
62.9								
4.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.100	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
63.2								
6.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.300	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
89.0								
6.400	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
95.5								
6.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
6.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
6.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
6.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
6.900	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
63.4								
7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
44.2								

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
 Rating Live Load: 4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I				
	Positive Bending		Negative Bending		Positive Bending		Negative Bending		
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo	
44.2	7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
63.3	7.100	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
78.2	7.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
88.9	7.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
95.3	7.400	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
97.5	7.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
95.2	7.600	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
88.6	7.700	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
77.7	7.800	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
62.7	7.900	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
62.9	8.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
78.2	8.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
89.2	8.300	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
96.1	8.400	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
98.6	8.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
96.7	8.600	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
90.5	8.700	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
80.0	8.800	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
65.4	8.900	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.09	49.13	5.09	49.13	0.00	137.5
1.200	3.03	25.33	3.03	25.33	0.00	81.9
1.300	2.38	17.19	2.38	17.19	0.00	64.2
1.400	2.16	12.97	2.16	12.97	0.00	58.4
1.500	2.24	10.31	2.24	10.31	0.00	60.5
1.600	2.56	8.44	2.56	8.44	0.00	69.1
1.700	3.40	7.01	3.40	7.01	0.00	91.9
1.800	6.29	5.86	6.29	5.86	0.00	158.2
1.900	20.99	4.90	20.99	4.90	0.00	132.3
2.000	19.89	3.19	19.89	3.19	0.00	86.2
2.000	17.10	2.61	17.10	2.61	0.00	70.4
2.100	30.45	3.76	30.45	3.76	0.00	101.6
2.200	6.10	4.68	6.10	4.68	0.00	126.4
2.300	3.39	5.89	3.39	5.89	0.00	91.6
2.400	2.66	7.60	2.66	7.60	0.00	71.8
2.500	2.53	10.35	2.53	10.35	0.00	68.4
2.600	2.63	8.61	2.63	8.61	0.00	70.9
2.700	3.31	6.72	3.31	6.72	0.00	89.3
2.800	5.84	5.38	5.84	5.38	0.00	145.4
2.900	18.40	4.37	18.40	4.37	0.00	118.0
3.000	15.00	2.96	15.00	2.96	0.00	80.0
3.000	15.00	2.96	15.00	2.96	0.00	80.0
3.100	16.31	4.41	16.31	4.41	0.00	119.0
3.200	5.82	5.44	5.82	5.44	0.00	146.9
3.300	3.27	6.80	3.27	6.80	0.00	88.4
3.400	2.59	8.73	2.59	8.73	0.00	69.8
3.500	2.48	11.78	2.48	11.78	0.00	67.0
3.600	2.59	8.68	2.59	8.68	0.00	70.0
3.700	3.29	6.74	3.29	6.74	0.00	88.7
3.800	5.85	5.38	5.85	5.38	0.00	145.3
3.900	18.52	4.35	18.52	4.35	0.00	117.4
4.000	16.99	2.93	16.99	2.93	0.00	79.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	16.99	2.93	16.99	2.93	0.00	79.0
4.100	18.62	4.34	18.62	4.34	0.00	117.3
4.200	5.86	5.37	5.86	5.37	0.00	145.1
4.300	3.29	6.73	3.29	6.73	0.00	88.9
4.400	2.60	8.65	2.60	8.65	0.00	70.2
4.500	2.49	11.74	2.49	11.74	0.00	67.3
4.600	2.60	8.65	2.60	8.65	0.00	70.2
4.700	3.29	6.73	3.29	6.73	0.00	88.8
4.800	5.84	5.38	5.84	5.38	0.00	145.3
4.900	18.49	4.35	18.49	4.35	0.00	117.6
5.000	16.95	2.94	16.95	2.94	0.00	79.3
5.000	16.95	2.94	16.95	2.94	0.00	79.3
5.100	18.50	4.36	18.50	4.36	0.00	117.6
5.200	5.84	5.38	5.84	5.38	0.00	145.4
5.300	3.29	6.74	3.29	6.74	0.00	88.7
5.400	2.60	8.66	2.60	8.66	0.00	70.1
5.500	2.49	11.75	2.49	11.75	0.00	67.2
5.600	2.60	8.66	2.60	8.66	0.00	70.1
5.700	3.29	6.73	3.29	6.73	0.00	88.8
5.800	5.85	5.38	5.85	5.38	0.00	145.3
5.900	18.50	4.35	18.50	4.35	0.00	117.5
6.000	16.97	2.93	16.97	2.93	0.00	79.2
6.000	16.97	2.93	16.97	2.93	0.00	79.2
6.100	18.50	4.35	18.50	4.35	0.00	117.5
6.200	5.85	5.38	5.85	5.38	0.00	145.3
6.300	3.29	6.73	3.29	6.73	0.00	88.8
6.400	2.60	8.66	2.60	8.66	0.00	70.1
6.500	2.49	11.75	2.49	11.75	0.00	67.2
6.600	2.60	8.66	2.60	8.66	0.00	70.1
6.700	3.29	6.74	3.29	6.74	0.00	88.7
6.800	5.84	5.38	5.84	5.38	0.00	145.4
6.900	18.50	4.36	18.50	4.36	0.00	117.6
7.000	16.95	2.94	16.95	2.94	0.00	79.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	16.95	2.94	16.95	2.94	0.00	79.3
7.100	18.49	4.35	18.49	4.35	0.00	117.6
7.200	5.84	5.38	5.84	5.38	0.00	145.3
7.300	3.29	6.73	3.29	6.73	0.00	88.8
7.400	2.60	8.65	2.60	8.65	0.00	70.2
7.500	2.49	11.73	2.49	11.73	0.00	67.3
7.600	2.60	8.65	2.60	8.65	0.00	70.2
7.700	3.29	6.73	3.29	6.73	0.00	88.9
7.800	5.86	5.37	5.86	5.37	0.00	145.1
7.900	18.62	4.34	18.62	4.34	0.00	117.3
8.000	16.99	2.93	16.99	2.93	0.00	79.0
8.000	16.99	2.93	16.99	2.93	0.00	79.0
8.100	18.52	4.35	18.52	4.35	0.00	117.4
8.200	5.85	5.38	5.85	5.38	0.00	145.3
8.300	3.29	6.74	3.29	6.74	0.00	88.7
8.400	2.59	8.68	2.59	8.68	0.00	70.0
8.500	2.48	11.78	2.48	11.78	0.00	67.0
8.600	2.59	8.73	2.59	8.73	0.00	69.8
8.700	3.27	6.80	3.27	6.80	0.00	88.4
8.800	5.82	5.44	5.82	5.44	0.00	146.9
8.900	16.31	4.41	16.31	4.41	0.00	119.0
9.000	15.01	2.96	15.01	2.96	0.00	80.0
9.000	15.01	2.96	15.01	2.96	0.00	80.0
9.100	18.40	4.37	18.40	4.37	0.00	118.0
9.200	5.84	5.38	5.84	5.38	0.00	145.3
9.300	3.31	6.72	3.31	6.72	0.00	89.3
9.400	2.63	8.61	2.63	8.61	0.00	70.9
9.500	2.53	10.35	2.53	10.35	0.00	68.4
9.600	2.66	7.60	2.66	7.60	0.00	71.8
9.700	3.39	5.89	3.39	5.89	0.00	91.6
9.800	6.10	4.68	6.10	4.68	0.00	126.4
9.900	30.45	3.76	30.45	3.76	0.00	101.6
10.000	17.10	2.61	17.10	2.61	0.00	70.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	17.10	2.61	17.10	2.61	0.00	70.4
10.100	20.99	4.90	20.99	4.90	0.00	132.3
10.200	6.29	5.86	6.29	5.86	0.00	158.2
10.300	3.40	7.01	3.40	7.01	0.00	91.9
10.400	2.56	8.44	2.56	8.44	0.00	69.1
10.500	2.24	10.31	2.24	10.31	0.00	60.5
10.600	2.16	12.97	2.16	12.97	0.00	58.4
10.700	2.38	17.19	2.38	17.19	0.00	64.2
10.800	3.03	25.33	3.03	25.33	0.00	81.9
10.900	5.09	49.13	5.09	49.13	0.00	137.5
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	13.5	59.15 R	0.00	45.50	0.00
1.200	2.8	23.1	97.55 R	0.00	75.04	0.00
1.300	3.5	28.9	116.99 R	0.00	89.99	0.00
1.400	3.7	30.8	122.83 R	0.00	94.48	0.00
1.500	3.5	28.9	120.06 R	0.00	92.36	0.00
1.600	2.8	22.8	109.76 L	0.00	84.43	0.00
1.700	1.7	12.9	90.21 R	0.00	69.39	0.00
1.800	0.1	-0.9	65.17 R	0.00	50.13	0.00
1.900	-2.0	-18.5	-57.88 L	0.00	-44.52	0.00
2.000	-4.5	-40.0	-81.93 L	0.00	-63.02	0.00
2.000	-4.5	-40.0	-81.93 L	0.00	-63.02	0.00
2.100	-2.6	-21.5	-61.22 L	0.00	-47.09	0.00
2.200	-1.0	-6.9	51.66 R	0.00	39.74	0.00
2.300	0.1	3.9	74.35 R	0.00	57.19	0.00
2.400	0.8	10.8	90.18 R	0.00	69.37	0.00
2.500	1.2	13.9	95.34 R	0.00	73.34	0.00
2.600	1.1	12.8	93.21 L	0.00	71.70	0.00
2.700	0.7	7.8	80.46 R	0.00	61.89	0.00
2.800	-0.1	-0.9	60.55 R	0.00	46.58	0.00
2.900	-1.3	-13.5	-52.04 R	0.00	-40.03	0.00
3.000	-2.9	-30.0	-66.15 L	0.00	-50.88	0.00
3.000	-2.9	-30.0	-66.15 L	0.00	-50.88	0.00
3.100	-1.2	-12.8	-51.81 L	0.00	-39.85	0.00
3.200	0.1	0.5	61.42 L	0.00	47.24	0.00
3.300	1.0	10.0	81.15 L	0.00	62.43	0.00
3.400	1.6	15.7	93.48 R	0.00	71.91	0.00
3.500	1.7	17.5	96.04 L	0.00	73.88	0.00
3.600	1.5	15.2	93.44 L	0.00	71.88	0.00
3.700	0.9	9.0	80.56 R	0.00	61.97	0.00
3.800	-0.1	-1.1	60.54 R	0.00	46.57	0.00
3.900	-1.5	-15.0	-52.05 R	0.00	-40.04	0.00
4.000	-3.3	-32.7	-66.29 R	0.00	-50.99	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-32.7	-66.29 R	0.00
4.100	-1.6	-15.2	-52.03 L	0.00
4.200	-0.2	-1.5	60.50 L	0.00
4.300	0.8	8.4	80.54 L	0.00
4.400	1.4	14.4	93.45 R	0.00
4.500	1.6	16.5	95.71 R	0.00
4.600	1.4	14.5	93.46 L	0.00
4.700	0.8	8.7	80.57 R	0.00
4.800	-0.1	-1.0	60.54 R	0.00
4.900	-1.5	-14.6	-52.05 R	0.00
5.000	-3.2	-32.0	-66.23 R	0.00
5.000	-3.2	-32.0	-66.23 R	0.00
5.100	-1.5	-14.5	-52.05 L	0.00
5.200	-0.1	-0.9	60.54 L	0.00
5.300	0.9	8.8	80.57 L	0.00
5.400	1.4	14.7	93.46 R	0.00
5.500	1.6	16.8	95.71 R	0.00
5.600	1.4	14.7	93.46 L	0.00
5.700	0.8	8.7	80.57 R	0.00
5.800	-0.1	-1.1	60.54 R	0.00
5.900	-1.5	-14.7	-52.05 R	0.00
6.000	-3.3	-32.2	-66.23 R	0.00
6.000	-3.3	-32.2	-66.23 R	0.00
6.100	-1.5	-14.7	-52.05 L	0.00
6.200	-0.1	-1.1	60.54 L	0.00
6.300	0.8	8.7	80.57 L	0.00
6.400	1.4	14.7	93.46 R	0.00
6.500	1.6	16.8	95.71 L	0.00
6.600	1.4	14.7	93.46 L	0.00
6.700	0.9	8.8	80.57 R	0.00
6.800	-0.1	-0.9	60.54 R	0.00
6.900	-1.5	-14.5	-52.05 R	0.00
7.000	-3.2	-32.0	-66.23 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-32.0	-66.23 L	0.00
7.100	-1.5	-14.6	-52.05 L	0.00
7.200	-0.1	-1.0	60.54 L	0.00
7.300	0.8	8.7	80.57 L	0.00
7.400	1.4	14.5	93.46 R	0.00
7.500	1.6	16.5	95.71 L	0.00
7.600	1.4	14.4	93.45 L	0.00
7.700	0.8	8.4	80.54 R	0.00
7.800	-0.2	-1.5	60.50 R	0.00
7.900	-1.6	-15.2	-52.03 R	0.00
8.000	-3.3	-32.7	-66.29 L	0.00
8.000	-3.3	-32.7	-66.29 L	0.00
8.100	-1.5	-15.0	-52.05 L	0.00
8.200	-0.1	-1.1	60.54 L	0.00
8.300	0.9	9.0	80.56 L	0.00
8.400	1.5	15.2	93.44 R	0.00
8.500	1.7	17.5	96.04 R	0.00
8.600	1.6	15.7	93.48 L	0.00
8.700	1.0	10.0	81.15 R	0.00
8.800	0.1	0.5	61.41 R	0.00
8.900	-1.2	-12.8	-51.81 R	0.00
9.000	-2.9	-30.0	-66.15 R	0.00
9.000	-2.9	-30.0	-66.15 R	0.00
9.100	-1.3	-13.5	-52.04 L	0.00
9.200	-0.1	-0.9	60.55 L	0.00
9.300	0.7	7.8	80.46 L	0.00
9.400	1.1	12.8	93.21 R	0.00
9.500	1.2	13.9	95.34 L	0.00
9.600	0.8	10.8	90.18 L	0.00
9.700	0.1	3.9	74.35 L	0.00
9.800	-1.0	-6.9	51.66 L	0.00
9.900	-2.6	-21.5	-61.22 R	0.00
10.000	-4.5	-40.0	-81.93 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.5	-40.0	-81.93 R	0.00	-63.02	0.00
10.100	-2.0	-18.5	-57.88 R	0.00	-44.52	0.00
10.200	0.1	-0.9	65.17 L	0.00	50.13	0.00
10.300	1.7	12.9	90.21 L	0.00	69.39	0.00
10.400	2.8	22.8	109.76 R	0.00	84.43	0.00
10.500	3.5	28.9	120.06 L	0.00	92.36	0.00
10.600	3.7	30.8	122.83 L	0.00	94.48	0.00
10.700	3.5	28.9	116.99 L	0.00	89.99	0.00
10.800	2.8	23.1	97.55 L	0.00	75.04	0.00
10.900	1.6	13.5	59.15 L	0.00	45.50	0.00
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 7	1.000	359.7C	319.4	-319.4	-359.7C	359.7	319.4	-319.4	-359.
8	1.100	359.7C	319.4	-319.4	-359.7C	344.6	304.4	-334.5	-374.
5	1.200	359.7C	319.4	-319.4	-359.7C	333.8	293.6	-345.3	-385.
0	1.300	359.7C	319.4	-319.4	-359.7C	327.4	287.1	-351.7	-392.
2	1.400	359.7C	319.4	-319.4	-359.7C	325.2	284.9	-353.9	-394.
0	1.500	359.7C	319.4	-319.4	-359.7C	327.3	287.1	-351.8	-392.
3	1.600	359.7C	319.4	-319.4	-359.7C	334.1	293.8	-345.0	-385.
2	1.700	359.7C	319.4	-319.4	-359.7C	345.1	304.9	-334.0	-374.
9	1.800	359.7C	319.4	-319.4	-359.7C	360.5	320.2	-318.6	-358.
2	1.900	359.7C	319.4	-319.4	-359.7C	380.2	339.9	-298.9	-339.
2	2.000	359.7C	319.4	-319.4	-359.7C	404.1	363.9	-275.0	-315.
2	2.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.
6	2.100	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
7	2.200	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	2.300	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
2	2.400	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
7	2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
5	2.600	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
2	2.700	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
6	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
8	2.900	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.

7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	3.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
6	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.7	-254.6	-286.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
7	3.300	300.6C	268.7	-268.7	-300.6C	289.6	257.6	-279.7	-311.
9	3.400	300.6C	268.7	-268.7	-300.6C	283.4	251.4	-285.9	-317.
9	3.500	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
3	3.600	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5	3.700	300.6C	268.7	-268.7	-300.6C	290.8	258.8	-278.5	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
1	3.900	300.6C	268.7	-268.7	-300.6C	317.1	285.2	-252.2	-284.
6	4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
4.000	300.6C	268.7	-268.7	-300.6C	336.7	304.7	-232.6	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.3	-267.0	-299.
4.300	300.6C	268.7	-268.7	-300.6C	291.5	259.5	-277.8	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.9	252.9	-284.4	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.5	250.5	-286.8	-318.
4.600	300.6C	268.7	-268.7	-300.6C	284.7	252.7	-284.6	-316.
4.700	300.6C	268.7	-268.7	-300.6C	291.1	259.2	-278.2	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.7	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
5.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
5.600	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
5.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.

2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
2	6.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
4	6.100	300.6C	268.7	-268.7	-300.6C	316.9	284.9	-252.4	-284.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
2	6.300	300.6C	268.7	-268.7	-300.6C	291.1	259.1	-278.2	-310.
7	6.400	300.6C	268.7	-268.7	-300.6C	284.5	252.6	-284.8	-316.
0	6.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
8	6.600	300.6C	268.7	-268.7	-300.6C	284.5	252.5	-284.8	-316.
3	6.700	300.6C	268.7	-268.7	-300.6C	291.0	259.0	-278.3	-310.
6	6.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	6.900	300.6C	268.7	-268.7	-300.6C	316.6	284.6	-252.7	-284.
5	7.000	300.6C	268.7	-268.7	-300.6C	335.8	303.8	-233.5	-265.

7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
7	9.000	300.6C	268.7	-268.7	-300.6C	333.6	301.6	-235.7	-267.
8	9.100	300.6C	268.7	-268.7	-300.6C	315.5	283.5	-253.8	-285.
6	9.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	9.300	300.6C	268.7	-268.7	-300.6C	292.1	260.1	-277.2	-309.
5	9.400	300.6C	268.7	-268.7	-300.6C	286.7	254.7	-282.6	-314.
7	9.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	9.600	300.6C	268.7	-268.7	-300.6C	289.0	257.0	-280.3	-312.
6	9.700	300.6C	268.7	-268.7	-300.6C	296.7	264.7	-272.6	-304.
7	9.800	300.6C	268.7	-268.7	-300.6C	308.6	276.6	-260.7	-292.
6	9.900	300.6C	268.7	-268.7	-300.6C	324.7	292.7	-244.6	-276.
2	10.000	300.6C	268.7	-268.7	-300.6C	345.1	313.1	-224.2	-256.

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

5C1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.83	54.25	5.14	60.78	0.00	205.8
1.200	3.42	28.00	3.01	31.26	0.00	120.4
1.300	2.80	19.01	2.45	21.19	0.00	98.2
1.400	2.65	14.35	2.32	15.98	0.00	92.8
1.500	2.73	11.41	2.39	12.72	0.00	95.6
1.600	3.04	9.32	2.68	10.41	0.00	107.1
1.700	3.83	7.74	3.38	8.67	0.00	135.2
1.800	5.53	6.46	4.91	7.28	0.00	196.6
1.900	11.61	5.16	10.39	5.86	0.00	206.6
2.000	27.90	3.36	25.12	3.85	0.00	134.3
2.000	23.83	2.74	21.62	3.13	0.00	109.5
2.100	13.57	3.99	12.23	4.52	0.00	159.8
2.200	5.97	5.22	5.35	5.87	0.00	209.0
2.300	3.99	6.15	3.56	6.87	0.00	142.4
2.400	3.20	6.93	2.85	7.72	0.00	114.0
2.500	2.99	7.41	2.66	8.24	0.00	106.4
2.600	3.08	7.44	2.73	8.28	0.00	109.3
2.700	3.63	6.84	3.23	7.63	0.00	129.3
2.800	4.98	5.97	4.45	6.69	0.00	178.2
2.900	10.04	4.88	9.03	5.49	0.00	195.1
3.000	19.48	3.56	17.61	4.05	0.00	142.5
3.000	19.48	3.56	17.61	4.05	0.00	142.5
3.100	9.64	4.91	8.66	5.53	0.00	196.6
3.200	4.89	6.04	4.36	6.76	0.00	174.6
3.300	3.57	6.95	3.17	7.74	0.00	127.0
3.400	3.03	7.61	2.69	8.47	0.00	107.6
3.500	2.93	7.91	2.60	8.79	0.00	103.9
3.600	3.04	7.58	2.70	8.43	0.00	107.9
3.700	3.61	6.89	3.21	7.68	0.00	128.5
3.800	4.99	5.97	4.46	6.68	0.00	178.3
3.900	10.12	4.84	9.10	5.46	0.00	193.8
4.000	23.72	3.51	21.47	3.99	0.00	140.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	23.72	3.51	21.47	3.99	0.00	140.4
4.100	10.15	4.84	9.12	5.46	0.00	193.7
4.200	5.00	5.96	4.47	6.67	0.00	178.7
4.300	3.62	6.87	3.22	7.66	0.00	128.9
4.400	3.05	7.55	2.71	8.40	0.00	108.2
4.500	2.95	7.87	2.62	8.74	0.00	104.7
4.600	3.05	7.55	2.70	8.40	0.00	108.2
4.700	3.61	6.88	3.22	7.67	0.00	128.7
4.800	4.99	5.97	4.46	6.68	0.00	178.3
4.900	10.10	4.85	9.08	5.47	0.00	194.1
5.000	23.66	3.53	21.41	4.01	0.00	141.0
5.000	23.66	3.53	21.41	4.01	0.00	141.0
5.100	10.10	4.86	9.08	5.47	0.00	194.2
5.200	4.98	5.97	4.45	6.69	0.00	178.2
5.300	3.61	6.88	3.21	7.67	0.00	128.6
5.400	3.04	7.56	2.70	8.41	0.00	108.1
5.500	2.95	7.87	2.62	8.75	0.00	104.6
5.600	3.04	7.56	2.70	8.41	0.00	108.1
5.700	3.61	6.88	3.22	7.67	0.00	128.6
5.800	4.99	5.97	4.46	6.68	0.00	178.3
5.900	10.11	4.85	9.09	5.47	0.00	194.0
6.000	23.68	3.52	21.43	4.00	0.00	140.8
6.000	23.68	3.52	21.43	4.00	0.00	140.8
6.100	10.11	4.85	9.09	5.47	0.00	194.0
6.200	4.99	5.97	4.46	6.68	0.00	178.3
6.300	3.61	6.88	3.22	7.67	0.00	128.6
6.400	3.04	7.56	2.70	8.41	0.00	108.1
6.500	2.95	7.87	2.62	8.75	0.00	104.6
6.600	3.04	7.56	2.70	8.41	0.00	108.1
6.700	3.61	6.88	3.21	7.67	0.00	128.6
6.800	4.98	5.97	4.45	6.69	0.00	178.2
6.900	10.10	4.86	9.08	5.47	0.00	194.2
7.000	23.58	3.53	21.33	4.01	0.00	141.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
7.000	23.58	3.53	21.33	4.01	0.00
7.100	10.10	4.85	9.08	5.47	0.00
7.200	4.99	5.97	4.46	6.68	0.00
7.300	3.61	6.88	3.22	7.67	0.00
7.400	3.05	7.55	2.70	8.40	0.00
7.500	2.95	7.87	2.62	8.74	0.00
7.600	3.05	7.55	2.71	8.40	0.00
7.700	3.62	6.87	3.22	7.66	0.00
7.800	5.00	5.96	4.47	6.67	0.00
7.900	10.15	4.84	9.12	5.46	0.00
8.000	23.72	3.51	21.47	3.99	0.00
8.000	23.72	3.51	21.47	3.99	0.00
8.100	10.12	4.84	9.10	5.46	0.00
8.200	4.99	5.97	4.46	6.68	0.00
8.300	3.61	6.89	3.21	7.68	0.00
8.400	3.04	7.58	2.70	8.43	0.00
8.500	2.93	7.91	2.60	8.79	0.00
8.600	3.03	7.61	2.69	8.47	0.00
8.700	3.57	6.95	3.17	7.74	0.00
8.800	4.89	6.04	4.36	6.76	0.00
8.900	9.64	4.91	8.66	5.53	0.00
9.000	19.48	3.56	17.61	4.05	0.00
9.000	19.48	3.56	17.61	4.05	0.00
9.100	10.04	4.88	9.03	5.49	0.00
9.200	4.98	5.97	4.45	6.69	0.00
9.300	3.63	6.84	3.23	7.63	0.00
9.400	3.08	7.44	2.73	8.28	0.00
9.500	2.99	7.41	2.66	8.24	0.00
9.600	3.20	6.93	2.85	7.72	0.00
9.700	3.99	6.15	3.56	6.87	0.00
9.800	5.97	5.22	5.35	5.86	0.00
9.900	13.57	3.99	12.23	4.52	0.00
10.000	23.83	2.74	21.62	3.13	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	27.90	2.74	21.62	3.85	0.00	109.5
10.100	11.61	5.16	10.39	5.86	0.00	206.6
10.200	5.53	6.46	4.91	7.28	0.00	196.6
10.300	3.83	7.74	3.38	8.67	0.00	135.2
10.400	3.04	9.32	2.68	10.41	0.00	107.1
10.500	2.73	11.41	2.39	12.72	0.00	95.6
10.600	2.65	14.35	2.32	15.98	0.00	92.8
10.700	2.80	19.01	2.45	21.19	0.00	98.2
10.800	3.42	28.00	3.01	31.26	0.00	120.4
10.900	5.83	54.24	5.14	60.78	0.00	205.8
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	6.2	27.99	0.00	21.53	0.00
1.100	0.6	4.6	23.66	0.00	18.20	0.00
1.200	0.4	3.1	19.51	0.00	15.01	0.00
1.300	0.2	1.5	15.60	0.00	12.00	0.00
1.400	0.0	0.0	-12.27	0.00	-9.44	0.00
1.500	-0.2	-1.6	-14.97	0.00	-11.52	0.00
1.600	-0.4	-3.2	-17.52	0.00	-13.48	0.00
1.700	-0.5	-4.7	-20.67	0.00	-15.90	0.00
1.800	-0.7	-6.3	-24.15	0.00	-18.58	0.00
1.900	-0.9	-7.8	-27.42	0.00	-21.09	0.00
2.000	-1.1	-9.4	-30.41	0.00	-23.39	0.00
2.000	0.8	-9.4	29.85	0.00	22.96	0.00
2.100	0.7	6.6	26.19	0.00	20.15	0.00
2.200	0.5	5.1	22.39	0.00	17.22	0.00
2.300	0.4	3.5	18.72	0.00	14.40	0.00
2.400	0.2	2.0	15.88	0.00	12.22	0.00
2.500	0.1	0.5	12.98	0.00	9.99	0.00
2.600	-0.1	-1.2	-14.92	0.00	-11.48	0.00
2.700	-0.2	-2.7	-18.31	0.00	-14.09	0.00
2.800	-0.4	-4.3	-21.87	0.00	-16.82	0.00
2.900	-0.6	-5.8	-25.45	0.00	-19.58	0.00
3.000	-0.7	-7.3	-28.86	0.00	-22.20	0.00
3.000	0.8	7.7	28.84	0.00	22.18	0.00
3.100	0.6	6.1	25.47	0.00	19.59	0.00
3.200	0.5	4.6	21.92	0.00	16.86	0.00
3.300	0.3	3.0	18.36	0.00	14.13	0.00
3.400	0.1	1.5	14.97	0.00	11.51	0.00
3.500	0.0	-0.1	-12.22	0.00	-9.40	0.00
3.600	-0.2	-1.7	-14.97	0.00	-11.51	0.00
3.700	-0.3	-3.2	-18.36	0.00	-14.12	0.00
3.800	-0.5	-4.8	-21.92	0.00	-16.86	0.00
3.900	-0.6	-6.3	-25.49	0.00	-19.61	0.00
4.000	-0.8	-7.9	-28.89	0.00	-22.22	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-7.9	28.90	0.00	22.23	0.00
4.100	0.6	6.2	25.50	0.00	19.61	0.00
4.200	0.5	4.7	21.92	0.00	16.86	0.00
4.300	0.3	3.2	18.36	0.00	14.13	0.00
4.400	0.2	1.6	14.97	0.00	11.52	0.00
4.500	0.0	0.1	12.22	0.00	9.40	0.00
4.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
4.700	-0.3	-3.1	-18.36	0.00	-14.13	0.00
4.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
4.900	-0.6	-6.2	-25.49	0.00	-19.61	0.00
5.000	-0.8	-7.7	-28.89	0.00	-22.23	0.00
5.000	0.8	7.7	28.89	0.00	22.23	0.00
5.100	0.6	6.2	25.49	0.00	19.61	0.00
5.200	0.5	4.7	21.92	0.00	16.86	0.00
5.300	0.3	3.1	18.36	0.00	14.13	0.00
5.400	0.2	1.6	14.97	0.00	11.52	0.00
5.500	0.0	0.1	12.22	0.00	9.40	0.00
5.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
5.700	-0.3	-3.2	-18.36	0.00	-14.13	0.00
5.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
5.900	-0.6	-6.2	-25.49	0.00	-19.61	0.00
6.000	-0.8	-7.8	-28.89	0.00	-22.23	0.00
6.000	0.8	7.8	28.89	0.00	22.23	0.00
6.100	0.6	6.2	25.49	0.00	19.61	0.00
6.200	0.5	4.7	21.92	0.00	16.86	0.00
6.300	0.3	3.2	18.36	0.00	14.13	0.00
6.400	0.2	1.6	14.97	0.00	11.52	0.00
6.500	0.0	0.1	12.22	0.00	9.40	0.00
6.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
6.700	-0.3	-3.1	-18.36	0.00	-14.13	0.00
6.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
6.900	-0.6	-6.2	-25.49	0.00	-19.61	0.00
7.000	-0.8	-7.7	-28.89	0.00	-22.23	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-7.7	28.89	0.00	22.23	0.00
7.100	0.6	6.2	25.49	0.00	19.61	0.00
7.200	0.5	4.7	21.92	0.00	16.86	0.00
7.300	0.3	3.1	18.36	0.00	14.13	0.00
7.400	0.2	1.6	14.97	0.00	11.52	0.00
7.500	0.0	0.1	12.22	0.00	9.40	0.00
7.600	-0.2	-1.6	-14.97	0.00	-11.52	0.00
7.700	-0.3	-3.2	-18.36	0.00	-14.13	0.00
7.800	-0.5	-4.7	-21.92	0.00	-16.86	0.00
7.900	-0.6	-6.2	-25.50	0.00	-19.61	0.00
8.000	-0.8	-7.8	-28.90	0.00	-22.23	0.00
8.000	0.8	7.9	28.89	0.00	22.22	0.00
8.100	0.6	6.3	25.49	0.00	19.61	0.00
8.200	0.5	4.8	21.92	0.00	16.86	0.00
8.300	0.3	3.2	18.36	0.00	14.12	0.00
8.400	0.2	1.7	14.97	0.00	11.51	0.00
8.500	0.0	0.2	12.22	0.00	9.40	0.00
8.600	-0.1	-1.5	-14.97	0.00	-11.51	0.00
8.700	-0.3	-3.0	-18.36	0.00	-14.13	0.00
8.800	-0.5	-4.6	-21.92	0.00	-16.86	0.00
8.900	-0.6	-6.1	-25.47	0.00	-19.59	0.00
9.000	-0.8	-7.7	-28.84	0.00	-22.18	0.00
9.000	0.7	-7.7	28.86	0.00	22.20	0.00
9.100	0.6	5.8	25.45	0.00	19.58	0.00
9.200	0.4	4.3	21.87	0.00	16.82	0.00
9.300	0.2	2.7	18.31	0.00	14.09	0.00
9.400	0.1	1.2	14.92	0.00	11.48	0.00
9.500	-0.1	-0.4	-12.98	0.00	-9.99	0.00
9.600	-0.2	-2.0	-15.45	0.00	-11.88	0.00
9.700	-0.4	-3.5	-18.72	0.00	-14.40	0.00
9.800	-0.5	-5.1	-22.39	0.00	-17.22	0.00
9.900	-0.7	-6.6	-26.19	0.00	-20.15	0.00
10.000	-0.8	-8.1	-29.69	0.00	-22.84	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	9.4	30.41	0.00	23.39	0.00
10.100	0.9	7.8	27.42	0.00	21.09	0.00
10.200	0.7	6.3	24.15	0.00	18.58	0.00
10.300	0.5	4.7	20.67	0.00	15.90	0.00
10.400	0.4	3.2	17.52	0.00	13.48	0.00
10.500	0.2	1.7	14.97	0.00	11.52	0.00
10.600	0.0	0.0	12.27	0.00	9.44	0.00
10.700	-0.2	-1.5	-15.60	0.00	-12.00	0.00
10.800	-0.4	-3.1	-19.51	0.00	-15.01	0.00
10.900	-0.6	-4.6	-23.66	0.00	-18.20	0.00
11.000	-0.7	-6.2	-27.99	0.00	-21.53	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	172.1	-139.3	125.5
1.100	172.1	-137.5	127.2
1.200	172.1	-135.8	128.9
1.300	172.1	-134.1	130.6
1.400	172.1	-132.4	132.4
1.500	172.1	-130.7	134.1
1.600	172.1	-128.8	135.9
1.700	172.1	-127.1	137.7
1.800	172.1	-125.4	139.4
1.900	172.1	-123.6	141.1
2.000	172.1	-121.9	142.8
2.000	151.3	-121.9	107.4
2.100	151.3	-123.7	109.1
2.200	151.3	-122.0	110.8
2.300	151.3	-120.3	112.5
2.400	151.3	-118.6	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.7
2.700	151.3	-113.4	119.4
2.800	151.3	-111.7	121.1
2.900	151.3	-110.0	122.7
3.000	151.3	-108.3	117.1
3.000	151.3	-108.3	108.0
3.100	151.3	-123.1	109.7
3.200	151.3	-121.4	111.4
3.300	151.3	-119.7	113.0
3.400	151.3	-118.0	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.5	118.3
3.700	151.3	-112.8	119.9
3.800	151.3	-111.1	121.6
3.900	151.3	-109.4	123.3
4.000	151.3	-107.7	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.7	107.8
4.100	151.3	-123.2	109.5
4.200	151.3	-121.5	111.2
4.300	151.3	-119.9	112.9
4.400	151.3	-118.2	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.1
4.700	151.3	-113.0	119.8
4.800	151.3	-111.3	121.5
4.900	151.3	-109.6	123.2
5.000	151.3	-107.9	117.1
5.000	151.3	-107.9	107.9
5.100	151.3	-123.2	109.5
5.200	151.3	-121.5	111.2
5.300	151.3	-119.8	112.9
5.400	151.3	-118.1	114.6
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-112.9	119.8
5.800	151.3	-111.2	121.5
5.900	151.3	-109.5	123.2
6.000	151.3	-107.8	117.2
6.000	151.3	-107.8	107.8
6.100	151.3	-123.2	109.5
6.200	151.3	-121.5	111.2
6.300	151.3	-119.8	112.9
6.400	151.3	-118.1	114.6
6.500	151.3	-116.4	116.3
6.600	151.3	-114.6	118.1
6.700	151.3	-112.9	119.8
6.800	151.3	-111.2	121.5
6.900	151.3	-109.5	123.2
7.000	151.3	-107.9	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.9	107.9
7.100	151.3	-123.2	109.6
7.200	151.3	-121.5	111.3
7.300	151.3	-119.8	113.0
7.400	151.3	-118.1	114.6
7.500	151.3	-116.4	116.3
7.600	151.3	-114.6	118.2
7.700	151.3	-112.9	119.9
7.800	151.3	-111.2	121.5
7.900	151.3	-109.5	123.2
8.000	151.3	-107.8	117.2
8.000	151.3	-107.8	107.7
8.100	151.3	-123.3	109.4
8.200	151.3	-121.6	111.1
8.300	151.3	-119.9	112.8
8.400	151.3	-118.3	114.5
8.500	151.3	-116.6	116.2
8.600	151.3	-114.7	118.0
8.700	151.3	-113.0	119.7
8.800	151.3	-111.4	121.4
8.900	151.3	-109.7	123.1
9.000	151.3	-108.0	117.1
9.000	151.3	-108.0	108.3
9.100	151.3	-122.7	110.0
9.200	151.3	-121.1	111.7
9.300	151.3	-119.4	113.4
9.400	151.3	-117.7	115.1
9.500	151.3	-116.0	116.8
9.600	151.3	-114.2	118.6
9.700	151.3	-112.5	120.3
9.800	151.3	-110.8	122.0
9.900	151.3	-109.1	123.7
10.000	151.3	-107.4	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	172.1	-107.4	121.9
10.100	172.1	-141.1	123.6
10.200	172.1	-139.4	125.4
10.300	172.1	-137.7	127.1
10.400	172.1	-135.9	128.8
10.500	172.1	-134.2	130.5
10.600	172.1	-132.4	132.4
10.700	172.1	-130.6	134.1
10.800	172.1	-128.9	135.8
10.900	172.1	-127.2	137.5
11.000	172.1	-125.5	133.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	60.60	4.48	0.00	179.3
1.100	33.50	5.38	0.00	215.0
1.200	21.49	6.61	0.00	264.3
1.300	14.27	8.38	0.00	335.0
1.400	10.79	10.89	0.00	431.5
1.500	8.73	14.37	0.00	349.0
1.600	7.35	19.49	0.00	294.0
1.700	6.15	28.80	0.00	245.9
1.800	5.19	49.75	0.00	207.6
1.900	4.51	126.98	0.00	180.4
2.000	4.01	246.53	0.00	160.4
2.000	4.01	3.60	0.00	143.9
2.100	35.13	4.16	0.00	166.6
2.200	23.13	4.95	0.00	197.9
2.300	16.43	6.01	0.00	240.3
2.400	12.31	7.19	0.00	287.5
2.500	9.61	8.92	0.00	357.0
2.600	7.71	11.19	0.00	308.6
2.700	6.19	14.70	0.00	247.7
2.800	5.11	20.61	0.00	204.3
2.900	4.32	31.51	0.00	172.9
3.000	3.75	36.12	0.00	150.1
3.000	3.75	3.74	0.00	149.8
3.100	34.94	4.31	0.00	172.2
3.200	22.95	5.08	0.00	203.2
3.300	16.27	6.16	0.00	246.2
3.400	12.19	7.66	0.00	306.6
3.500	9.52	9.56	0.00	380.8
3.600	7.65	12.24	0.00	306.0
3.700	6.14	16.34	0.00	245.8
3.800	5.07	23.06	0.00	202.8
3.900	4.29	35.16	0.00	171.7
4.000	3.73	46.65	0.00	149.1

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.73	3.73	0.00	149.1
4.100	35.00	4.30	0.00	171.8
4.200	22.98	5.07	0.00	202.9
4.300	16.29	6.15	0.00	245.9
4.400	12.20	7.65	0.00	306.1
4.500	9.53	9.51	0.00	380.5
4.600	7.66	12.19	0.00	306.3
4.700	6.15	16.28	0.00	246.0
4.800	5.07	22.97	0.00	203.0
4.900	4.30	34.99	0.00	171.9
5.000	3.73	43.45	0.00	149.3
5.000	3.73	3.73	0.00	149.3
5.100	34.99	4.30	0.00	171.9
5.200	22.97	5.07	0.00	203.0
5.300	16.28	6.15	0.00	246.0
5.400	12.19	7.66	0.00	306.3
5.500	9.53	9.52	0.00	380.7
5.600	7.66	12.19	0.00	306.2
5.700	6.15	16.28	0.00	245.9
5.800	5.07	22.97	0.00	202.9
5.900	4.30	34.99	0.00	171.8
6.000	3.73	43.61	0.00	149.3
6.000	3.73	3.73	0.00	149.3
6.100	34.99	4.30	0.00	171.8
6.200	22.97	5.07	0.00	202.9
6.300	16.28	6.15	0.00	245.9
6.400	12.19	7.66	0.00	306.2
6.500	9.53	9.52	0.00	380.6
6.600	7.66	12.19	0.00	306.3
6.700	6.15	16.28	0.00	246.0
6.800	5.07	22.97	0.00	203.0
6.900	4.30	34.99	0.00	171.9
7.000	3.73	43.61	0.00	149.3

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.73	3.73	0.00	149.3
7.100	34.99	4.30	0.00	171.9
7.200	22.97	5.07	0.00	203.0
7.300	16.28	6.15	0.00	246.0
7.400	12.19	7.66	0.00	306.3
7.500	9.52	9.52	0.00	380.8
7.600	7.65	12.20	0.00	306.1
7.700	6.15	16.29	0.00	245.9
7.800	5.07	22.98	0.00	202.9
7.900	4.30	35.00	0.00	171.8
8.000	3.73	43.61	0.00	149.2
8.000	3.73	3.73	0.00	149.1
8.100	35.16	4.29	0.00	171.7
8.200	23.06	5.07	0.00	202.8
8.300	16.34	6.14	0.00	245.8
8.400	12.24	7.65	0.00	306.0
8.500	9.56	9.51	0.00	380.4
8.600	7.66	12.19	0.00	306.6
8.700	6.16	16.27	0.00	246.2
8.800	5.08	22.95	0.00	203.2
8.900	4.31	34.94	0.00	172.2
9.000	3.74	43.59	0.00	149.8
9.000	3.74	3.75	0.00	149.8
9.100	31.51	4.32	0.00	172.9
9.200	20.61	5.11	0.00	204.3
9.300	14.70	6.19	0.00	247.7
9.400	11.19	7.71	0.00	308.6
9.500	8.93	9.60	0.00	357.4
9.600	7.39	12.31	0.00	295.6
9.700	6.01	16.43	0.00	240.3
9.800	4.95	23.13	0.00	197.9
9.900	4.16	35.13	0.00	166.6
10.000	3.62	43.40	0.00	144.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.62	4.01	0.00	144.7
10.100	126.98	4.51	0.00	180.4
10.200	49.75	5.19	0.00	207.6
10.300	28.80	6.15	0.00	245.9
10.400	19.49	7.35	0.00	294.0
10.500	14.39	8.72	0.00	348.7
10.600	10.89	10.79	0.00	431.5
10.700	8.38	14.27	0.00	335.0
10.800	6.61	21.49	0.00	264.3
10.900	5.38	33.50	0.00	215.0
11.000	4.48	999.00	0.00	179.3

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Capacity		Available Capacity for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
1.000 32.2	332.2	332.2	-332.2	-332.2	332.2	332.2	-332.2	-3
1.100 47.3	332.2	332.2	-332.2	-332.2	317.1	317.1	-347.3	-3
1.200 58.0	332.2	332.2	-332.2	-332.2	306.4	306.4	-358.0	-3
1.300 64.5	332.2	332.2	-332.2	-332.2	299.9	299.9	-364.5	-3
1.400 66.7	332.2	332.2	-332.2	-332.2	297.7	297.7	-366.7	-3
1.500 64.6	332.2	332.2	-332.2	-332.2	299.8	299.8	-364.6	-3
1.600 57.8	332.2	332.2	-332.2	-332.2	306.6	306.6	-357.8	-3
1.700 46.7	332.2	332.2	-332.2	-332.2	317.7	317.7	-346.7	-3
1.800 31.4	332.2	332.2	-332.2	-332.2	333.0	333.0	-331.4	-3
1.900 11.7	332.2	332.2	-332.2	-332.2	352.7	352.7	-311.7	-3
2.000 87.8	332.2	332.2	-332.2	-332.2	376.6	376.6	-287.8	-2
2.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2
2.100 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
2.200 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
2.300 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
2.600 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
2.700 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2

3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
3.100 65.4	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2
3.200 80.0	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
3.300 90.5	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
3.400 96.7	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
3.500 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
3.600 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
3.700 89.2	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
3.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
3.900 62.9	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S04

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 43.4	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
4.100 62.7	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.6	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
4.400 95.2	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
4.500 97.5	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
4.600 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
4.700 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
4.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.000 44.2	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
5.100 63.4	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
5.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
5.300 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
5.400 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
5.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
5.600 95.5	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
5.700 89.0	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
5.800 78.2	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
5.900 63.2	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2

6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
6.100	279.4	279.4	-279.4	-279.4	295.6	295.6	-263.2	-2
63.2								
6.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
78.2								
6.300	279.4	279.4	-279.4	-279.4	269.8	269.8	-289.0	-2
89.0								
6.400	279.4	279.4	-279.4	-279.4	263.3	263.3	-295.5	-2
95.5								
6.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
6.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
6.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
6.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
6.900	279.4	279.4	-279.4	-279.4	295.4	295.4	-263.4	-2
63.4								
7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
44.2								

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
 Rating Live Load: 5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I				
	Positive Bending		Negative Bending		Positive Bending		Negative Bending		
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo	
44.2	7.000	279.4	279.4	-279.4	-279.4	314.6	314.6	-244.2	-2
63.3	7.100	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
78.2	7.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
88.9	7.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
95.3	7.400	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
97.5	7.500	279.4	279.4	-279.4	-279.4	261.3	261.3	-297.5	-2
95.2	7.600	279.4	279.4	-279.4	-279.4	263.6	263.6	-295.2	-2
88.6	7.700	279.4	279.4	-279.4	-279.4	270.2	270.2	-288.6	-2
77.7	7.800	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
62.7	7.900	279.4	279.4	-279.4	-279.4	296.1	296.1	-262.7	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
43.4	8.000	279.4	279.4	-279.4	-279.4	315.4	315.4	-243.4	-2
62.9	8.100	279.4	279.4	-279.4	-279.4	295.9	295.9	-262.9	-2
78.2	8.200	279.4	279.4	-279.4	-279.4	280.6	280.6	-278.2	-2
89.2	8.300	279.4	279.4	-279.4	-279.4	269.6	269.6	-289.2	-2
96.1	8.400	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
98.6	8.500	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
96.7	8.600	279.4	279.4	-279.4	-279.4	262.1	262.1	-296.7	-2
90.5	8.700	279.4	279.4	-279.4	-279.4	268.3	268.3	-290.5	-2
80.0	8.800	279.4	279.4	-279.4	-279.4	278.8	278.8	-280.0	-2
65.4	8.900	279.4	279.4	-279.4	-279.4	293.4	293.4	-265.4	-2

9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.000 46.5	279.4	279.4	-279.4	-279.4	312.3	312.3	-246.5	-2
9.100 64.5	279.4	279.4	-279.4	-279.4	294.3	294.3	-264.5	-2
9.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
9.300 87.9	279.4	279.4	-279.4	-279.4	270.9	270.9	-287.9	-2
9.400 93.3	279.4	279.4	-279.4	-279.4	265.5	265.5	-293.3	-2
9.500 94.4	279.4	279.4	-279.4	-279.4	264.4	264.4	-294.4	-2
9.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
9.700 83.3	279.4	279.4	-279.4	-279.4	275.5	275.5	-283.3	-2
9.800 71.4	279.4	279.4	-279.4	-279.4	287.4	287.4	-271.4	-2
9.900 55.3	279.4	279.4	-279.4	-279.4	303.5	303.5	-255.3	-2
10.000 35.0	279.4	279.4	-279.4	-279.4	323.8	323.8	-235.0	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.36	56.32	5.36	56.32	0.00	214.4
1.200	3.14	29.03	3.14	29.03	0.00	125.6
1.300	2.56	19.70	2.56	19.70	0.00	102.5
1.400	2.42	14.87	2.42	14.87	0.00	97.0
1.500	2.50	11.82	2.50	11.82	0.00	99.9
1.600	2.79	9.67	2.79	9.67	0.00	111.7
1.700	3.52	8.03	3.52	8.03	0.00	140.9
1.800	5.11	6.72	5.11	6.72	0.00	204.4
1.900	10.77	5.39	10.77	5.39	0.00	215.4
2.000	26.01	3.51	26.01	3.51	0.00	140.5
2.000	22.36	2.87	22.36	2.87	0.00	114.7
2.100	12.68	4.17	12.68	4.17	0.00	166.8
2.200	5.56	5.44	5.56	5.44	0.00	217.6
2.300	3.70	6.39	3.70	6.39	0.00	148.2
2.400	2.97	7.20	2.97	7.20	0.00	118.8
2.500	2.77	7.69	2.77	7.69	0.00	110.9
2.600	2.85	7.72	2.85	7.72	0.00	113.9
2.700	3.37	7.11	3.37	7.11	0.00	134.6
2.800	4.63	6.21	4.63	6.21	0.00	185.3
2.900	9.37	5.08	9.37	5.08	0.00	203.3
3.000	18.24	3.73	18.24	3.73	0.00	149.0
3.000	18.24	3.73	18.24	3.73	0.00	149.0
3.100	8.99	5.12	8.99	5.12	0.00	204.9
3.200	4.54	6.28	4.54	6.28	0.00	181.6
3.300	3.31	7.21	3.31	7.21	0.00	132.3
3.400	2.80	7.90	2.80	7.90	0.00	112.2
3.500	2.71	8.20	2.71	8.20	0.00	108.4
3.600	2.81	7.86	2.81	7.86	0.00	112.5
3.700	3.35	7.15	3.35	7.15	0.00	133.8
3.800	4.64	6.21	4.64	6.21	0.00	185.4
3.900	9.44	5.05	9.44	5.05	0.00	202.0
4.000	22.22	3.67	22.22	3.67	0.00	146.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	22.22	3.67	22.22	3.67	0.00	146.9
4.100	9.47	5.05	9.47	5.05	0.00	201.9
4.200	4.65	6.20	4.65	6.20	0.00	185.8
4.300	3.36	7.14	3.36	7.14	0.00	134.2
4.400	2.82	7.84	2.82	7.84	0.00	112.8
4.500	2.73	8.16	2.73	8.16	0.00	109.2
4.600	2.82	7.84	2.82	7.84	0.00	112.8
4.700	3.35	7.14	3.35	7.14	0.00	134.0
4.800	4.63	6.21	4.63	6.21	0.00	185.4
4.900	9.43	5.06	9.43	5.06	0.00	202.4
5.000	22.17	3.69	22.17	3.69	0.00	147.5
5.000	22.17	3.69	22.17	3.69	0.00	147.5
5.100	9.43	5.06	9.43	5.06	0.00	202.4
5.200	4.63	6.21	4.63	6.21	0.00	185.3
5.300	3.35	7.15	3.35	7.15	0.00	133.9
5.400	2.82	7.84	2.82	7.84	0.00	112.7
5.500	2.73	8.17	2.73	8.17	0.00	109.1
5.600	2.82	7.84	2.82	7.84	0.00	112.7
5.700	3.35	7.14	3.35	7.14	0.00	134.0
5.800	4.64	6.21	4.64	6.21	0.00	185.4
5.900	9.43	5.06	9.43	5.06	0.00	202.3
6.000	22.19	3.68	22.19	3.68	0.00	147.3
6.000	22.19	3.68	22.19	3.68	0.00	147.3
6.100	9.43	5.06	9.43	5.06	0.00	202.3
6.200	4.64	6.21	4.64	6.21	0.00	185.4
6.300	3.35	7.14	3.35	7.14	0.00	134.0
6.400	2.82	7.84	2.82	7.84	0.00	112.7
6.500	2.73	8.17	2.73	8.17	0.00	109.1
6.600	2.82	7.84	2.82	7.84	0.00	112.7
6.700	3.35	7.15	3.35	7.15	0.00	133.9
6.800	4.63	6.21	4.63	6.21	0.00	185.3
6.900	9.43	5.06	9.43	5.06	0.00	202.4
7.000	22.09	3.69	22.09	3.69	0.00	147.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	22.09	3.69	22.09	3.69	0.00	147.5
7.100	9.43	5.06	9.43	5.06	0.00	202.4
7.200	4.63	6.21	4.63	6.21	0.00	185.4
7.300	3.35	7.14	3.35	7.14	0.00	134.0
7.400	2.82	7.84	2.82	7.84	0.00	112.8
7.500	2.73	8.16	2.73	8.16	0.00	109.2
7.600	2.82	7.84	2.82	7.84	0.00	112.8
7.700	3.36	7.14	3.36	7.14	0.00	134.2
7.800	4.65	6.20	4.65	6.20	0.00	185.8
7.900	9.47	5.05	9.47	5.05	0.00	201.9
8.000	22.22	3.67	22.22	3.67	0.00	146.9
8.000	22.22	3.67	22.22	3.67	0.00	146.9
8.100	9.44	5.05	9.44	5.05	0.00	202.0
8.200	4.64	6.21	4.64	6.21	0.00	185.4
8.300	3.35	7.15	3.35	7.15	0.00	133.8
8.400	2.81	7.86	2.81	7.86	0.00	112.5
8.500	2.71	8.20	2.71	8.20	0.00	108.4
8.600	2.80	7.90	2.80	7.90	0.00	112.2
8.700	3.31	7.21	3.31	7.21	0.00	132.3
8.800	4.54	6.28	4.54	6.28	0.00	181.6
8.900	8.99	5.12	8.99	5.12	0.00	204.9
9.000	18.24	3.73	18.24	3.73	0.00	149.0
9.000	18.24	3.73	18.24	3.73	0.00	149.0
9.100	9.37	5.08	9.37	5.08	0.00	203.3
9.200	4.63	6.21	4.63	6.21	0.00	185.3
9.300	3.37	7.11	3.37	7.11	0.00	134.6
9.400	2.85	7.72	2.85	7.72	0.00	113.9
9.500	2.77	7.69	2.77	7.69	0.00	110.9
9.600	2.97	7.20	2.97	7.20	0.00	118.8
9.700	3.70	6.39	3.70	6.39	0.00	148.2
9.800	5.56	5.44	5.56	5.44	0.00	217.5
9.900	12.68	4.17	12.68	4.17	0.00	166.8
10.000	22.36	2.87	22.36	2.87	0.00	114.7

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S04

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	22.36	2.87	22.36	2.87	0.00	114.7
10.100	10.77	5.39	10.77	5.39	0.00	215.4
10.200	5.11	6.72	5.11	6.72	0.00	204.4
10.300	3.52	8.03	3.52	8.03	0.00	140.9
10.400	2.79	9.67	2.79	9.67	0.00	111.7
10.500	2.50	11.82	2.50	11.82	0.00	99.9
10.600	2.42	14.87	2.42	14.87	0.00	97.0
10.700	2.56	19.70	2.56	19.70	0.00	102.5
10.800	3.14	29.03	3.14	29.03	0.00	125.6
10.900	5.36	56.32	5.36	56.32	0.00	214.4
11.000	999.00	999.00	999.00	999.00	0.00	999.0

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction SS
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 10

Live Load Distribution Factor 1.143

Second Live Load Dist. Factor 1.143

Comments:

Member I. D. S05 Symmetry:

Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5
	25.000	25.000	25.000	25.000	25.000
	Span 6	Span 7	Span 8	Span 9	Span 10
	25.000	25.000	25.000	25.000	25.000

Range Length -- Non-Composite:

Span No.	Range No.	Range Length	Section Left	Section Right	Section Variation	Hinge Location No. 1	Hinge Location No. 2
1	1	11.500	1	0		0.0	0.0
1	2	2.000	2	0		0.0	0.0
1	3	11.500	1	0		0.0	0.0
2	1	11.500	3	0		0.0	0.0
2	2	2.000	4	0		0.0	0.0
2	3	11.500	3	0		0.0	0.0
3	1	25.000	3	0		0.0	0.0
4	1	11.500	3	0		0.0	0.0
4	2	2.000	4	0		0.0	0.0
4	3	11.500	3	0		0.0	0.0
5	1	11.500	3	0		0.0	0.0
5	2	2.000	4	0		0.0	0.0
5	3	11.500	3	0		0.0	0.0
6	1	11.500	3	0		0.0	0.0
6	2	2.000	4	0		0.0	0.0
6	3	11.500	3	0		0.0	0.0
7	1	11.500	3	0		0.0	0.0
7	2	2.000	4	0		0.0	0.0
7	3	11.500	3	0		0.0	0.0
8	1	25.000	3	0		0.0	0.0
9	1	11.500	3	0		0.0	0.0
9	2	2.000	4	0		0.0	0.0
9	3	11.500	3	0		0.0	0.0
10	1	25.000	1	0		0.0	0.0

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	0.000	765.0	765.0	25.000	0.0
1	P	12.500	0.0	0.0	0.000	0.1

2	W	0.000	765.0	765.0	25.000	0.0
2	P	12.500	0.0	0.0	0.000	0.1
3	W	0.000	765.0	765.0	25.000	0.0
3	P	12.500	0.0	0.0	0.000	0.1
4	W	0.000	765.0	765.0	25.000	0.0
4	P	12.500	0.0	0.0	0.000	0.1
5	W	0.000	765.0	765.0	25.000	0.0
5	P	12.500	0.0	0.0	0.000	0.1
6	W	0.000	765.0	765.0	25.000	0.0
6	P	12.500	0.0	0.0	0.000	0.1
7	W	0.000	765.0	765.0	25.000	0.0
7	P	12.500	0.0	0.0	0.000	0.1
8	W	0.000	765.0	765.0	25.000	0.0
8	P	12.500	0.0	0.0	0.000	0.1
9	W	0.000	765.0	765.0	25.000	0.0
9	P	12.500	0.0	0.0	0.000	0.1
10	W	0.000	765.0	765.0	25.000	0.0
10	P	12.500	0.0	0.0	0.000	0.1

NOTE: All distances are shown in decimal feet, moments are shown in foot-kips, and shears are shown in kips. Section and section properties are shown as: in., in.**2, in.**3, and in.**4.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S05

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
1.000	21.20	19.72	0.46	0.0	0.0	33.
1.100	21.20	19.72	0.46	0.0	0.0	33.
1.200	21.20	19.72	0.46	0.0	0.0	33.
1.300	21.20	19.72	0.46	0.0	0.0	33.
1.400	21.20	19.72	0.46	0.0	0.0	33.
1.500	21.20	19.72	0.46	0.0	0.0	33.
1.600	21.20	19.72	0.46	0.0	0.0	33.
1.700	21.20	19.72	0.46	0.0	0.0	33.
1.800	21.20	19.72	0.46	0.0	0.0	33.
1.900	21.20	19.72	0.46	0.0	0.0	33.
2.000	21.20	19.72	0.46	0.0	0.0	33.
2.000	21.00	19.77	0.40	0.0	0.0	33.
2.100	21.00	19.77	0.40	0.0	0.0	33.
2.200	21.00	19.77	0.40	0.0	0.0	33.
2.300	21.00	19.77	0.40	0.0	0.0	33.
2.400	21.00	19.77	0.40	0.0	0.0	33.
2.500	21.00	19.77	0.40	0.0	0.0	33.
2.600	21.00	19.77	0.40	0.0	0.0	33.
2.700	21.00	19.77	0.40	0.0	0.0	33.
2.800	21.00	19.77	0.40	0.0	0.0	33.
2.900	21.00	19.77	0.40	0.0	0.0	33.
3.000	21.00	19.77	0.40	0.0	0.0	33.
3.000	21.00	19.77	0.40	0.0	0.0	33.
3.100	21.00	19.77	0.40	0.0	0.0	33.
3.200	21.00	19.77	0.40	0.0	0.0	33.
3.300	21.00	19.77	0.40	0.0	0.0	33.
3.400	21.00	19.77	0.40	0.0	0.0	33.
3.500	21.00	19.77	0.40	0.0	0.0	33.
3.600	21.00	19.77	0.40	0.0	0.0	33.
3.700	21.00	19.77	0.40	0.0	0.0	33.
3.800	21.00	19.77	0.40	0.0	0.0	33.
3.900	21.00	19.77	0.40	0.0	0.0	33.
4.000	21.00	19.77	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.		S05				
Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
4.000	21.00	19.77	0.40	0.0	0.0	33.
4.100	21.00	19.77	0.40	0.0	0.0	33.
4.200	21.00	19.77	0.40	0.0	0.0	33.
4.300	21.00	19.77	0.40	0.0	0.0	33.
4.400	21.00	19.77	0.40	0.0	0.0	33.
4.500	21.00	19.77	0.40	0.0	0.0	33.
4.600	21.00	19.77	0.40	0.0	0.0	33.
4.700	21.00	19.77	0.40	0.0	0.0	33.
4.800	21.00	19.77	0.40	0.0	0.0	33.
4.900	21.00	19.77	0.40	0.0	0.0	33.
5.000	21.00	19.77	0.40	0.0	0.0	33.
5.000	21.00	19.77	0.40	0.0	0.0	33.
5.100	21.00	19.77	0.40	0.0	0.0	33.
5.200	21.00	19.77	0.40	0.0	0.0	33.
5.300	21.00	19.77	0.40	0.0	0.0	33.
5.400	21.00	19.77	0.40	0.0	0.0	33.
5.500	21.00	19.77	0.40	0.0	0.0	33.
5.600	21.00	19.77	0.40	0.0	0.0	33.
5.700	21.00	19.77	0.40	0.0	0.0	33.
5.800	21.00	19.77	0.40	0.0	0.0	33.
5.900	21.00	19.77	0.40	0.0	0.0	33.
6.000	21.00	19.77	0.40	0.0	0.0	33.
6.000	21.00	19.77	0.40	0.0	0.0	33.
6.100	21.00	19.77	0.40	0.0	0.0	33.
6.200	21.00	19.77	0.40	0.0	0.0	33.
6.300	21.00	19.77	0.40	0.0	0.0	33.
6.400	21.00	19.77	0.40	0.0	0.0	33.
6.500	21.00	19.77	0.40	0.0	0.0	33.
6.600	21.00	19.77	0.40	0.0	0.0	33.
6.700	21.00	19.77	0.40	0.0	0.0	33.
6.800	21.00	19.77	0.40	0.0	0.0	33.
6.900	21.00	19.77	0.40	0.0	0.0	33.
7.000	21.00	19.77	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S05

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
7.000	21.00	19.77	0.40	0.0	0.0	33.
7.100	21.00	19.77	0.40	0.0	0.0	33.
7.200	21.00	19.77	0.40	0.0	0.0	33.
7.300	21.00	19.77	0.40	0.0	0.0	33.
7.400	21.00	19.77	0.40	0.0	0.0	33.
7.500	21.00	19.77	0.40	0.0	0.0	33.
7.600	21.00	19.77	0.40	0.0	0.0	33.
7.700	21.00	19.77	0.40	0.0	0.0	33.
7.800	21.00	19.77	0.40	0.0	0.0	33.
7.900	21.00	19.77	0.40	0.0	0.0	33.
8.000	21.00	19.77	0.40	0.0	0.0	33.
8.000	21.00	19.77	0.40	0.0	0.0	33.
8.100	21.00	19.77	0.40	0.0	0.0	33.
8.200	21.00	19.77	0.40	0.0	0.0	33.
8.300	21.00	19.77	0.40	0.0	0.0	33.
8.400	21.00	19.77	0.40	0.0	0.0	33.
8.500	21.00	19.77	0.40	0.0	0.0	33.
8.600	21.00	19.77	0.40	0.0	0.0	33.
8.700	21.00	19.77	0.40	0.0	0.0	33.
8.800	21.00	19.77	0.40	0.0	0.0	33.
8.900	21.00	19.77	0.40	0.0	0.0	33.
9.000	21.00	19.77	0.40	0.0	0.0	33.
9.000	21.00	19.77	0.40	0.0	0.0	33.
9.100	21.00	19.77	0.40	0.0	0.0	33.
9.200	21.00	19.77	0.40	0.0	0.0	33.
9.300	21.00	19.77	0.40	0.0	0.0	33.
9.400	21.00	19.77	0.40	0.0	0.0	33.
9.500	21.00	19.77	0.40	0.0	0.0	33.
9.600	21.00	19.77	0.40	0.0	0.0	33.
9.700	21.00	19.77	0.40	0.0	0.0	33.
9.800	21.00	19.77	0.40	0.0	0.0	33.
9.900	21.00	19.77	0.40	0.0	0.0	33.
10.000	21.00	19.77	0.40	0.0	0.0	33.

SECTION DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

S05

Span	Height	Web Depth	Web Thk.	Effective Width	Slab Thk.	Fy
	(in.)	(in.)	(in.)	(in.)	(in.)	(ksi)
10.000	21.20	19.72	0.46	0.0	0.0	33.
10.100	21.20	19.72	0.46	0.0	0.0	33.
10.200	21.20	19.72	0.46	0.0	0.0	33.
10.300	21.20	19.72	0.46	0.0	0.0	33.
10.400	21.20	19.72	0.46	0.0	0.0	33.
10.500	21.20	19.72	0.46	0.0	0.0	33.
10.600	21.20	19.72	0.46	0.0	0.0	33.
10.700	21.20	19.72	0.46	0.0	0.0	33.
10.800	21.20	19.72	0.46	0.0	0.0	33.
10.900	21.20	19.72	0.46	0.0	0.0	33.
11.000	21.20	19.72	0.46	0.0	0.0	33.

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S05

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
1.000	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.100	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.200	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.300	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.400	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.500	20.20	20.20	10.08	11.12	1462.8	1462.8	145.2	131.5	145.2	131.5
1.600	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.700	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.800	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
1.900	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
2.000	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
2.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.500	17.00	17.00	9.88	11.12	1197.3	1197.3	121.1	107.7	121.1	107.7
2.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
2.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.500	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
3.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S05

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
					Top	Bott.	Top	Bott.	Top	Bott.
4.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.500	17.00	17.00	9.88	11.12	1197.3	1197.3	121.1	107.7	121.1	107.7
4.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
4.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.500	17.00	17.00	9.88	11.12	1197.3	1197.3	121.1	107.7	121.1	107.7
5.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
5.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.500	17.00	17.00	9.88	11.12	1197.3	1197.3	121.1	107.7	121.1	107.7
6.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
6.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S05

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend		-Bend	
							Top	Bott.	Top	Bott.
7.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.500	17.00	17.00	9.88	11.12	1197.3	1197.3	121.1	107.7	121.1	107.7
7.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
7.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.500	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
8.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.100	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.200	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.300	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.400	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.500	17.00	17.00	9.88	11.12	1197.3	1197.3	121.1	107.7	121.1	107.7
9.600	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.700	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.800	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
9.900	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8
10.000	18.00	18.00	10.50	10.50	1310.8	1310.8	124.8	124.8	124.8	124.8

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. S05

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend Top	Bott.
10.000	21.30	21.30	10.60	10.60	1576.9	1576.9	124.8	124.8	124.8	124.8
10.100	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.200	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.300	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.400	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.500	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.600	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.700	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.800	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
10.900	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8
11.000	21.30	21.30	10.60	10.60	1576.9	1576.9	148.8	148.8	148.8	148.8

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.6	66.89 L	41.78	51.45	32.14
1.200	2.7	28.5	108.81 L	71.39	83.70	54.91
1.300	3.4	35.6	128.29 L	91.09	98.69	70.07
1.400	3.6	37.9	128.52 L	99.40	98.86	76.46
1.500	3.4	35.4	121.16 L	98.99	93.20	76.15
1.600	2.8	28.0	115.03 L	88.80	88.49	68.31
1.700	1.7	15.8	99.40 L	71.87	76.46	55.29
1.800	0.1	-1.2	63.82 L	47.49	49.09	36.53
1.900	-1.9	-23.0	-62.16 L	-58.12	-47.82	-44.71
2.000	-4.4	-49.5	-104.15 L	-96.15	-80.12	-73.97
2.000	-4.4	-49.5	-104.15 L	-96.15	-80.12	-73.96
2.100	-2.5	-26.7	-68.11 R	-58.92	-52.39	-45.32
2.200	-1.0	-8.6	58.37 R	40.81	44.90	31.40
2.300	0.1	4.7	85.59 R	61.73	65.84	47.49
2.400	0.8	13.2	96.30 R	74.65	74.08	57.42
2.500	1.1	16.9	94.10 L	80.16	72.38	61.66
2.600	1.1	15.7	96.08 L	76.05	73.90	58.50
2.700	0.7	9.7	85.99 L	64.49	66.14	49.61
2.800	-0.1	-1.1	59.28 L	45.22	45.60	34.79
2.900	-1.3	-16.7	-58.99 L	-53.53	-45.38	-41.18
3.000	-2.9	-37.1	-98.54 L	-89.38	-75.80	-68.76
3.000	-2.9	-37.1	-98.54 L	-89.38	-75.80	-68.76
3.100	-1.2	-15.8	-58.87 R	-53.04	-45.28	-40.80
3.200	0.1	0.7	59.42 R	45.04	45.71	34.64
3.300	1.0	12.4	86.47 R	65.45	66.52	50.35
3.400	1.6	19.3	97.00 R	77.70	74.61	59.77
3.500	1.7	21.4	94.70 R	82.52	72.84	63.47
3.600	1.5	18.6	97.03 L	77.63	74.64	59.72
3.700	0.9	11.1	86.52 L	65.31	66.55	50.24
3.800	-0.1	-1.3	59.49 L	45.31	45.76	34.86
3.900	-1.5	-18.5	-59.16 L	-54.26	-45.51	-41.74
4.000	-3.3	-40.4	-98.65 L	-90.84	-75.89	-69.88

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-40.4	-98.65 L	-90.84	-75.89	-69.88
4.100	-1.6	-18.7	-58.95 R	-54.36	-45.35	-41.82
4.200	-0.2	-1.8	59.24 R	44.41	45.57	34.16
4.300	0.8	10.3	86.29 R	64.86	66.37	49.89
4.400	1.3	17.6	96.78 R	77.15	74.45	59.35
4.500	1.5	20.2	94.42 R	82.02	72.63	63.09
4.600	1.4	17.8	96.81 L	77.26	74.47	59.43
4.700	0.8	10.6	86.33 L	65.08	66.41	50.06
4.800	-0.1	-1.3	59.30 L	45.24	45.62	34.80
4.900	-1.5	-18.0	-59.13 L	-54.33	-45.49	-41.79
5.000	-3.2	-39.6	-98.74 L	-90.78	-75.96	-69.83
5.000	-3.2	-39.6	-98.74 L	-90.78	-75.96	-69.83
5.100	-1.5	-18.0	-59.12 R	-54.32	-45.47	-41.79
5.200	-0.1	-1.2	59.30 R	44.72	45.61	34.40
5.300	0.8	10.8	86.33 R	65.12	66.41	50.09
5.400	1.4	18.0	96.81 R	77.36	74.47	59.51
5.500	1.6	20.5	94.43 R	82.16	72.64	63.20
5.600	1.4	18.0	96.81 L	77.35	74.47	59.50
5.700	0.8	10.7	86.33 L	65.11	66.41	50.08
5.800	-0.1	-1.4	59.30 L	45.21	45.61	34.78
5.900	-1.5	-18.2	-59.13 L	-54.40	-45.49	-41.84
6.000	-3.2	-39.8	-98.75 R	-90.90	-75.96	-69.92
6.000	-3.2	-39.8	-98.75 R	-90.90	-75.96	-69.92
6.100	-1.5	-18.2	-59.13 R	-54.42	-45.49	-41.86
6.200	-0.1	-1.4	59.30 R	44.70	45.61	34.38
6.300	0.8	10.7	86.33 R	65.11	66.41	50.08
6.400	1.4	18.0	96.81 R	77.35	74.47	59.50
6.500	1.6	20.5	94.43 L	82.16	72.64	63.20
6.600	1.4	18.0	96.81 L	77.36	74.47	59.51
6.700	0.8	10.8	86.33 L	65.12	66.41	50.09
6.800	-0.1	-1.2	59.30 L	45.24	45.61	34.80
6.900	-1.5	-18.0	-59.12 L	-54.30	-45.47	-41.77
7.000	-3.2	-39.6	-98.75 L	-90.78	-75.96	-69.83

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
7.000	-3.2	-39.6	-98.75 L	-90.78	-75.96	-69.83
7.100	-1.5	-18.0	-59.13 R	-54.36	-45.49	-41.81
7.200	-0.1	-1.3	59.30 R	44.72	45.62	34.40
7.300	0.8	10.6	86.33 R	65.08	66.41	50.06
7.400	1.4	17.8	96.81 R	77.26	74.47	59.43
7.500	1.5	20.2	94.42 L	82.02	72.63	63.09
7.600	1.3	17.6	96.78 L	77.15	74.45	59.35
7.700	0.8	10.3	86.29 L	64.86	66.37	49.89
7.800	-0.2	-1.8	59.24 L	44.93	45.57	34.56
7.900	-1.6	-18.7	-58.95 L	-54.33	-45.34	-41.79
8.000	-3.3	-40.4	-98.65 R	-90.83	-75.89	-69.87
8.000	-3.3	-40.4	-98.65 R	-90.83	-75.89	-69.87
8.100	-1.5	-18.5	-59.16 R	-54.28	-45.51	-41.76
8.200	-0.1	-1.3	59.49 R	44.80	45.76	34.46
8.300	0.9	11.1	86.52 R	65.31	66.55	50.24
8.400	1.5	18.6	97.03 R	77.62	74.64	59.71
8.500	1.7	21.4	94.70 L	82.51	72.84	63.47
8.600	1.6	19.3	96.99 L	77.69	74.61	59.76
8.700	1.0	12.4	86.47 L	65.44	66.51	50.34
8.800	0.1	0.7	59.41 L	45.53	45.70	35.03
8.900	-1.2	-15.8	-58.85 L	-53.00	-45.27	-40.77
9.000	-2.9	-37.1	-98.53 R	-89.37	-75.79	-68.75
9.000	-2.9	-37.1	-98.53 R	-89.37	-75.79	-68.75
9.100	-1.3	-16.7	-59.00 R	-53.55	-45.38	-41.19
9.200	-0.1	-1.1	59.28 R	44.71	45.60	34.39
9.300	0.7	9.7	85.98 R	64.49	66.14	49.61
9.400	1.1	15.7	96.08 R	76.04	73.91	58.49
9.500	1.1	16.9	94.08 R	80.13	72.37	61.64
9.600	0.8	13.2	96.27 L	74.62	74.05	57.40
9.700	0.1	4.7	85.54 L	61.69	65.80	47.45
9.800	-1.0	-8.5	58.31 L	41.30	44.85	31.77
9.900	-2.5	-26.6	-67.90 L	-58.74	-52.23	-45.19
10.000	-4.4	-49.4	-103.37 R	-95.99	-79.51	-73.84

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.4	-49.4	-103.37 R	-95.99	-79.51	-73.84
10.100	-1.9	-22.9	-62.19 R	-58.00	-47.84	-44.61
10.200	0.1	-1.1	64.03 R	47.61	49.26	36.62
10.300	1.7	15.9	99.59 R	72.01	76.61	55.39
10.400	2.8	28.1	115.21 R	88.94	88.62	68.42
10.500	3.5	35.5	121.33 R	99.13	93.33	76.25
10.600	3.7	37.9	128.64 R	99.50	98.95	76.54
10.700	3.4	35.6	128.37 R	91.15	98.75	70.12
10.800	2.7	28.5	108.87 R	71.42	83.74	54.94
10.900	1.6	16.7	66.91 R	41.80	51.47	32.15
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

8	3.000	180.7C	158.4	-158.4	-180.7C	204.7	182.4	-134.5	-156.
8	3.000	180.7C	158.4	-158.4	-180.7C	204.7	182.4	-134.5	-156.
5	3.100	180.7C	158.4	-158.4	-180.7C	190.9	168.6	-148.3	-170.
2	3.200	180.7C	158.4	-158.4	-180.7C	180.2	158.0	-158.9	-181.
8	3.300	180.7C	158.4	-158.4	-180.7C	172.7	150.4	-166.5	-188.
2	3.400	180.7C	158.4	-158.4	-180.7C	168.2	145.9	-171.0	-193.
6	3.500	180.7C	158.4	-158.4	-180.7C	166.8	144.5	-172.3	-194.
8	3.600	180.7C	158.4	-158.4	-180.7C	168.6	146.4	-170.5	-192.
9	3.700	180.7C	158.4	-158.4	-180.7C	173.6	151.3	-165.6	-187.
9	3.800	180.7C	158.4	-158.4	-180.7C	181.6	159.3	-157.6	-179.
7	3.900	180.7C	158.4	-158.4	-180.7C	192.7	170.4	-146.5	-168.
5	4.000	180.7C	158.4	-158.4	-180.7C	206.9	184.7	-132.2	-154.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

INV.

Rating Live Load:

HS20

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
.									
5	4.000	180.7C	158.4	-158.4	-180.7C	206.9	184.7	-132.2	-154.
6	4.100	180.7C	158.4	-158.4	-180.7C	192.9	170.6	-146.3	-168.
5	4.200	180.7C	158.4	-158.4	-180.7C	181.9	159.7	-157.2	-179.
4	4.300	180.7C	158.4	-158.4	-180.7C	174.1	151.8	-165.1	-187.
1	4.400	180.7C	158.4	-158.4	-180.7C	169.3	147.1	-169.8	-192.
9	4.500	188.8C	136.7	-153.8	-188.8C	175.8	123.6	-166.8	-201.
2	4.600	180.7C	158.4	-158.4	-180.7C	169.2	146.9	-169.9	-192.
6	4.700	180.7C	158.4	-158.4	-180.7C	173.9	151.6	-165.3	-187.
9	4.800	180.7C	158.4	-158.4	-180.7C	181.6	159.3	-157.6	-179.
0	4.900	180.7C	158.4	-158.4	-180.7C	192.4	170.1	-146.7	-169.
1	5.000	180.7C	158.4	-158.4	-180.7C	206.4	184.1	-132.8	-155.
1	5.000	180.7C	158.4	-158.4	-180.7C	206.4	184.1	-132.8	-155.
1	5.100	180.7C	158.4	-158.4	-180.7C	192.4	170.1	-146.8	-169.
9	5.200	180.7C	158.4	-158.4	-180.7C	181.5	159.2	-157.6	-179.
7	5.300	180.7C	158.4	-158.4	-180.7C	173.7	151.5	-165.4	-187.
4	5.400	180.7C	158.4	-158.4	-180.7C	169.1	146.8	-170.1	-192.
1	5.500	188.8C	136.7	-153.8	-188.8C	175.6	123.5	-167.0	-202.
3	5.600	180.7C	158.4	-158.4	-180.7C	169.1	146.8	-170.1	-192.
6	5.700	180.7C	158.4	-158.4	-180.7C	173.8	151.5	-165.3	-187.
8	5.800	180.7C	158.4	-158.4	-180.7C	181.6	159.4	-157.5	-179.
9	5.900	180.7C	158.4	-158.4	-180.7C	192.5	170.3	-146.6	-168.

9	6.000	180.7C	158.4	-158.4	-180.7C	206.5	184.3	-132.6	-154.
9	6.000	180.7C	158.4	-158.4	-180.7C	206.5	184.3	-132.6	-154.
9	6.100	180.7C	158.4	-158.4	-180.7C	192.5	170.3	-146.6	-168.
8	6.200	180.7C	158.4	-158.4	-180.7C	181.6	159.4	-157.5	-179.
6	6.300	180.7C	158.4	-158.4	-180.7C	173.8	151.5	-165.3	-187.
3	6.400	180.7C	158.4	-158.4	-180.7C	169.1	146.8	-170.1	-192.
1	6.500	188.8C	136.7	-153.8	-188.8C	175.6	123.5	-167.0	-202.
4	6.600	180.7C	158.4	-158.4	-180.7C	169.1	146.8	-170.1	-192.
7	6.700	180.7C	158.4	-158.4	-180.7C	173.7	151.5	-165.4	-187.
9	6.800	180.7C	158.4	-158.4	-180.7C	181.5	159.2	-157.6	-179.
1	6.900	180.7C	158.4	-158.4	-180.7C	192.4	170.1	-146.8	-169.
1	7.000	180.7C	158.4	-158.4	-180.7C	206.4	184.1	-132.8	-155.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	180.7C	158.4	-158.4	-180.7C	206.4	184.1	-132.8	-155.
7.100	180.7C	158.4	-158.4	-180.7C	192.4	170.1	-146.7	-169.
7.200	180.7C	158.4	-158.4	-180.7C	181.6	159.3	-157.6	-179.
7.300	180.7C	158.4	-158.4	-180.7C	173.9	151.6	-165.3	-187.
7.400	180.7C	158.4	-158.4	-180.7C	169.2	146.9	-169.9	-192.
7.500	188.8C	136.7	-153.8	-188.8C	175.8	123.6	-166.8	-201.
7.600	180.7C	158.4	-158.4	-180.7C	169.3	147.1	-169.8	-192.
7.700	180.7C	158.4	-158.4	-180.7C	174.1	151.8	-165.1	-187.
7.800	180.7C	158.4	-158.4	-180.7C	181.9	159.7	-157.2	-179.
7.900	180.7C	158.4	-158.4	-180.7C	192.9	170.6	-146.3	-168.
8.000	180.7C	158.4	-158.4	-180.7C	206.9	184.6	-132.2	-154.
8.000	180.7C	158.4	-158.4	-180.7C	206.9	184.6	-132.2	-154.
8.100	180.7C	158.4	-158.4	-180.7C	192.7	170.4	-146.5	-168.
8.200	180.7C	158.4	-158.4	-180.7C	181.6	159.3	-157.6	-179.
8.300	180.7C	158.4	-158.4	-180.7C	173.6	151.3	-165.6	-187.
8.400	180.7C	158.4	-158.4	-180.7C	168.6	146.4	-170.5	-192.
8.500	180.7C	158.4	-158.4	-180.7C	166.8	144.6	-172.3	-194.
8.600	180.7C	158.4	-158.4	-180.7C	168.2	145.9	-171.0	-193.
8.700	180.7C	158.4	-158.4	-180.7C	172.7	150.4	-166.5	-188.
8.800	180.7C	158.4	-158.4	-180.7C	180.2	158.0	-158.9	-181.
8.900	180.7C	158.4	-158.4	-180.7C	190.9	168.6	-148.2	-170.

7	9.000	180.7C	158.4	-158.4	-180.7C	204.7	182.4	-134.5	-156.
7	9.000	180.7C	158.4	-158.4	-180.7C	204.7	182.4	-134.5	-156.
9	9.100	180.7C	158.4	-158.4	-180.7C	191.5	169.3	-147.6	-169.
0	9.200	180.7C	158.4	-158.4	-180.7C	181.5	159.2	-157.7	-180.
9	9.300	180.7C	158.4	-158.4	-180.7C	174.5	152.2	-164.6	-186.
8	9.400	180.7C	158.4	-158.4	-180.7C	170.6	148.4	-168.5	-190.
7	9.500	188.8C	136.7	-153.8	-188.8C	178.0	125.9	-164.6	-199.
1	9.600	180.7C	158.4	-158.4	-180.7C	172.3	150.0	-166.8	-189.
6	9.700	180.7C	158.4	-158.4	-180.7C	177.8	155.6	-161.3	-183.
0	9.800	180.7C	158.4	-158.4	-180.7C	186.5	164.2	-152.7	-175.
3	9.900	180.7C	158.4	-158.4	-180.7C	198.2	175.9	-141.0	-163.
4	10.000	180.7C	158.4	-158.4	-180.7C	213.0	190.7	-126.2	-148.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	3.06	31.88	2.66	36.17	HS 53.19	95.7
1.200	1.81	16.57	1.56	18.71	HS 31.26	56.3
1.300	1.50	11.29	1.29	12.72	HS 25.79	46.4
1.400	1.48	8.53	1.27	9.60	HS 25.50	45.9
1.500	1.66	6.63	1.18	7.89	HS 23.70	42.7
1.600	1.71	5.51	1.48	6.23	HS 29.62	53.3
1.700	2.06	4.54	1.79	5.16	HS 35.89	64.6
1.800	3.39	3.75	2.97	4.29	HS 59.38	106.9
1.900	9.77	2.80	8.63	3.23	HS 55.94	100.7
2.000	14.76	1.50	13.16	1.76	HS 30.05	54.1
2.000	12.68	1.21	11.35	1.42	HS 24.21	43.6
2.100	9.22	2.07	8.18	2.40	HS 41.38	74.5
2.200	3.19	2.74	2.81	3.14	HS 54.73	98.5
2.300	2.08	3.48	1.82	3.96	HS 36.36	65.4
2.400	1.79	4.53	1.56	5.14	HS 31.17	56.1
2.500	1.89	6.03	1.34	7.31	HS 26.76	48.2
2.600	1.78	5.60	1.54	6.34	HS 30.89	55.6
2.700	2.03	4.35	1.77	4.93	HS 35.41	63.7
2.800	3.06	3.45	2.68	3.94	HS 53.71	96.7
2.900	7.52	2.50	6.64	2.88	HS 50.05	90.1
3.000	10.17	1.37	9.06	1.59	HS 27.30	49.1
3.000	10.17	1.37	9.06	1.59	HS 27.30	49.1
3.100	7.34	2.52	6.48	2.90	HS 50.37	90.7
3.200	3.03	3.50	2.66	3.99	HS 53.17	95.7
3.300	2.00	4.41	1.74	5.00	HS 34.79	62.6
3.400	1.73	5.70	1.50	6.44	HS 30.09	54.2
3.500	1.76	7.66	1.53	8.65	HS 30.53	55.0
3.600	1.74	5.63	1.51	6.36	HS 30.17	54.3
3.700	2.01	4.35	1.75	4.93	HS 34.97	63.0
3.800	3.05	3.43	2.68	3.92	HS 53.56	96.4
3.900	7.67	2.48	6.78	2.85	HS 49.51	89.1
4.000	12.51	1.34	11.16	1.57	HS 26.81	48.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	-bend	+bend	-bend		
4.000	12.51	1.34	11.16	1.57	HS 26.81	48.3
4.100	7.60	2.48	6.72	2.86	HS 49.63	89.3
4.200	3.07	3.44	2.69	3.93	HS 53.90	97.0
4.300	2.02	4.35	1.76	4.94	HS 35.19	63.3
4.400	1.75	5.63	1.52	6.37	HS 30.39	54.7
4.500	1.86	7.31	1.31	8.85	HS 26.19	47.1
4.600	1.75	5.62	1.52	6.36	HS 30.36	54.6
4.700	2.01	4.35	1.76	4.93	HS 35.12	63.2
4.800	3.06	3.44	2.69	3.92	HS 53.73	96.7
4.900	7.60	2.48	6.72	2.86	HS 49.63	89.3
5.000	12.28	1.35	10.96	1.57	HS 26.90	48.4
5.000	12.28	1.35	10.96	1.57	HS 26.90	48.4
5.100	7.48	2.48	6.61	2.86	HS 49.66	89.4
5.200	3.06	3.44	2.68	3.93	HS 53.71	96.7
5.300	2.01	4.35	1.75	4.94	HS 35.09	63.2
5.400	1.75	5.63	1.52	6.36	HS 30.33	54.6
5.500	1.86	7.33	1.31	8.87	HS 26.15	47.1
5.600	1.75	5.62	1.52	6.36	HS 30.33	54.6
5.700	2.01	4.35	1.75	4.93	HS 35.11	63.2
5.800	3.06	3.44	2.69	3.92	HS 53.74	96.7
5.900	7.62	2.48	6.74	2.86	HS 49.59	89.3
6.000	12.34	1.34	11.01	1.57	HS 26.86	48.3
6.000	12.34	1.34	11.01	1.57	HS 26.86	48.3
6.100	7.49	2.48	6.63	2.86	HS 49.59	89.3
6.200	3.06	3.44	2.69	3.92	HS 53.74	96.7
6.300	2.01	4.35	1.75	4.93	HS 35.11	63.2
6.400	1.75	5.62	1.52	6.36	HS 30.33	54.6
6.500	1.86	7.33	1.31	8.87	HS 26.15	47.1
6.600	1.75	5.63	1.52	6.36	HS 30.33	54.6
6.700	2.01	4.35	1.75	4.94	HS 35.09	63.2
6.800	3.06	3.44	2.69	3.93	HS 53.71	96.7
6.900	7.60	2.48	6.72	2.86	HS 49.66	89.4
7.000	12.28	1.35	10.96	1.57	HS 26.90	48.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	12.28	1.35	10.96	1.57	HS 26.90	48.4
7.100	7.48	2.48	6.61	2.86	HS 49.63	89.3
7.200	3.06	3.44	2.69	3.92	HS 53.73	96.7
7.300	2.01	4.35	1.76	4.93	HS 35.12	63.2
7.400	1.75	5.62	1.52	6.36	HS 30.36	54.6
7.500	1.86	7.31	1.31	8.85	HS 26.19	47.1
7.600	1.75	5.64	1.52	6.37	HS 30.39	54.7
7.700	2.02	4.36	1.76	4.94	HS 35.19	63.3
7.800	3.07	3.44	2.69	3.93	HS 53.90	97.0
7.900	7.73	2.48	6.84	2.86	HS 49.63	89.3
8.000	12.51	1.34	11.16	1.57	HS 26.81	48.3
8.000	12.51	1.34	11.16	1.57	HS 26.81	48.3
8.100	7.54	2.48	6.67	2.85	HS 49.51	89.1
8.200	3.05	3.43	2.68	3.92	HS 53.56	96.4
8.300	2.01	4.35	1.75	4.93	HS 34.97	63.0
8.400	1.74	5.63	1.51	6.36	HS 30.17	54.3
8.500	1.76	7.66	1.53	8.65	HS 30.53	55.0
8.600	1.73	5.70	1.50	6.44	HS 30.09	54.2
8.700	2.00	4.41	1.74	5.00	HS 34.79	62.6
8.800	3.03	3.50	2.66	3.99	HS 53.18	95.7
8.900	7.46	2.52	6.59	2.90	HS 50.38	90.7
9.000	10.20	1.37	9.09	1.59	HS 27.30	49.1
9.000	10.20	1.37	9.09	1.59	HS 27.30	49.1
9.100	7.40	2.50	6.54	2.88	HS 50.05	90.1
9.200	3.06	3.45	2.68	3.94	HS 53.71	96.7
9.300	2.03	4.35	1.77	4.93	HS 35.41	63.7
9.400	1.78	5.61	1.54	6.35	HS 30.89	55.6
9.500	1.89	6.05	1.34	7.34	HS 26.76	48.2
9.600	1.79	4.55	1.56	5.16	HS 31.17	56.1
9.700	2.08	3.50	1.82	3.98	HS 36.37	65.5
9.800	3.20	2.75	2.82	3.15	HS 54.95	98.9
9.900	9.41	2.08	8.35	2.40	HS 41.53	74.7
10.000	12.66	1.22	11.33	1.44	HS 24.41	43.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
10.000	14.73	1.22	11.33	1.77	HS 24.41	43.9
10.100	9.57	2.80	8.46	3.23	HS 55.93	100.7
10.200	3.38	3.75	2.96	4.28	HS 59.17	106.5
10.300	2.06	4.54	1.79	5.15	HS 35.81	64.5
10.400	1.71	5.51	1.48	6.22	HS 29.57	53.2
10.500	1.59	6.76	1.36	7.62	HS 27.27	49.1
10.600	1.48	8.52	1.27	9.59	HS 25.47	45.9
10.700	1.50	11.28	1.29	12.70	HS 25.77	46.4
10.800	1.81	16.54	1.56	18.68	HS 31.24	56.2
10.900	3.06	31.84	2.66	36.12	HS 53.16	95.7
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
1.000	0.7	7.6	32.01	24.72	24.62	19.01
1.100	0.5	5.7	26.75	21.20	20.58	16.31
1.200	0.4	3.8	21.76	17.86	16.74	13.74
1.300	0.2	1.9	17.11	14.72	13.16	11.32
1.400	0.0	-0.1	12.85	11.80	9.89	9.08
1.500	-0.2	-2.0	-15.08	-13.94	-11.60	-10.72
1.600	-0.4	-3.9	-18.20	-16.68	-14.00	-12.83
1.700	-0.5	-5.8	-23.31	-19.36	-17.93	-14.89
1.800	-0.7	-7.8	-28.22	-21.95	-21.71	-16.88
1.900	-0.9	-9.7	-32.72	-24.40	-25.17	-18.77
2.000	-1.1	-11.6	-36.73	-26.68	-28.25	-20.53
2.000	0.8	-11.6	34.96	26.43	26.89	20.33
2.100	0.7	8.2	30.26	23.88	23.28	18.37
2.200	0.5	6.3	25.52	21.08	19.63	16.22
2.300	0.4	4.4	20.66	18.14	15.89	13.95
2.400	0.2	2.4	16.99	15.15	13.07	11.65
2.500	0.1	0.5	13.29	12.21	10.22	9.39
2.600	-0.1	-1.5	-16.75	-14.76	-12.89	-11.36
2.700	-0.2	-3.4	-20.51	-17.76	-15.78	-13.66
2.800	-0.4	-5.3	-25.34	-20.71	-19.49	-15.93
2.900	-0.6	-7.2	-30.06	-23.53	-23.12	-18.10
3.000	-0.7	-9.1	-34.48	-26.11	-26.53	-20.08
3.000	0.8	9.5	34.53	26.29	26.56	20.22
3.100	0.6	7.6	30.12	23.72	23.17	18.24
3.200	0.4	5.6	25.40	20.91	19.54	16.08
3.300	0.3	3.7	20.57	17.96	15.82	13.82
3.400	0.1	1.8	16.78	14.97	12.91	11.52
3.500	0.0	-0.1	13.13	-12.12	10.10	-9.32
3.600	-0.2	-2.1	-16.78	-15.05	-12.91	-11.58
3.700	-0.3	-4.0	-20.56	-18.04	-15.82	-13.88
3.800	-0.5	-5.9	-25.40	-20.99	-19.54	-16.14
3.900	-0.6	-7.8	-30.11	-23.80	-23.17	-18.31
4.000	-0.8	-9.7	-34.53	-26.37	-26.56	-20.28

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
4.000	0.8	-9.7	34.53	26.36	26.56	20.27
4.100	0.6	7.7	30.12	23.79	23.17	18.30
4.200	0.5	5.8	25.40	20.98	19.54	16.14
4.300	0.3	3.9	20.57	18.03	15.82	13.87
4.400	0.2	2.0	16.78	15.04	12.91	11.57
4.500	0.0	0.1	13.13	12.11	10.10	9.31
4.600	-0.1	-1.9	-16.78	-15.02	-12.91	-11.55
4.700	-0.3	-3.8	-20.57	-18.00	-15.82	-13.85
4.800	-0.5	-5.7	-25.40	-20.95	-19.54	-16.12
4.900	-0.6	-7.7	-30.12	-23.76	-23.17	-18.28
5.000	-0.8	-9.6	-34.53	-26.33	-26.56	-20.26
5.000	0.8	9.6	34.53	26.35	26.56	20.27
5.100	0.6	7.7	30.12	23.78	23.17	18.29
5.200	0.5	5.8	25.40	20.97	19.54	16.13
5.300	0.3	3.8	20.57	18.02	15.82	13.86
5.400	0.1	1.9	16.78	15.03	12.91	11.56
5.500	0.0	0.0	13.13	12.10	10.10	-9.31
5.600	-0.2	-2.0	-16.78	-15.04	-12.91	-11.57
5.700	-0.3	-3.9	-20.57	-18.02	-15.82	-13.87
5.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
5.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
6.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27
6.000	0.8	9.6	34.53	26.35	26.56	20.27
6.100	0.6	7.7	30.12	23.78	23.17	18.29
6.200	0.5	5.8	25.40	20.97	19.54	16.13
6.300	0.3	3.9	20.57	18.02	15.82	13.87
6.400	0.2	2.0	16.78	15.04	12.91	11.57
6.500	0.0	0.0	13.13	12.10	10.10	9.31
6.600	-0.1	-1.9	-16.78	-15.03	-12.91	-11.56
6.700	-0.3	-3.8	-20.57	-18.02	-15.82	-13.86
6.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
6.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
7.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	34.53	26.33	26.56	20.26
7.100	0.6	7.7	30.12	23.76	23.17	18.28
7.200	0.5	5.7	25.40	20.95	19.54	16.12
7.300	0.3	3.8	20.57	18.00	15.82	13.85
7.400	0.1	1.9	16.78	15.02	12.91	11.55
7.500	0.0	0.0	13.13	-12.11	10.10	-9.31
7.600	-0.2	-2.0	-16.78	-15.04	-12.91	-11.57
7.700	-0.3	-3.9	-20.57	-18.03	-15.82	-13.87
7.800	-0.5	-5.8	-25.40	-20.98	-19.54	-16.14
7.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.30
8.000	-0.8	-9.6	-34.53	-26.36	-26.56	-20.27
8.000	0.8	9.7	34.53	26.37	26.56	20.28
8.100	0.6	7.8	30.11	23.80	23.16	18.31
8.200	0.5	5.9	25.40	20.99	19.53	16.14
8.300	0.3	4.0	20.56	18.04	15.82	13.88
8.400	0.2	2.1	16.78	15.05	12.91	11.58
8.500	0.0	0.2	-13.13	12.12	10.10	9.32
8.600	-0.1	-1.8	-16.78	-14.97	-12.91	-11.52
8.700	-0.3	-3.7	-20.57	-17.96	-15.82	-13.82
8.800	-0.4	-5.6	-25.40	-20.91	-19.54	-16.08
8.900	-0.6	-7.6	-30.12	-23.72	-23.17	-18.24
9.000	-0.8	-9.5	-34.53	-26.29	-26.56	-20.22
9.000	0.7	-9.5	34.48	26.11	26.52	20.08
9.100	0.6	7.2	30.06	23.53	23.12	18.10
9.200	0.4	5.3	25.33	20.71	19.49	15.93
9.300	0.2	3.4	20.51	17.75	15.77	13.66
9.400	0.1	1.5	16.75	14.76	12.88	11.35
9.500	-0.1	-0.5	-13.29	-12.21	-10.22	-9.39
9.600	-0.2	-2.4	-16.99	-15.15	-13.07	-11.65
9.700	-0.4	-4.3	-20.66	-18.14	-15.90	-13.95
9.800	-0.5	-6.3	-25.52	-21.08	-19.63	-16.22
9.900	-0.7	-8.2	-30.26	-23.88	-23.28	-18.37
10.000	-0.8	-10.1	-34.68	-26.43	-26.68	-20.33

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
10.000	1.1	11.6	36.72	26.68	28.25	20.52
10.100	0.9	9.7	32.71	24.40	25.16	18.77
10.200	0.7	7.8	28.21	21.94	21.70	16.88
10.300	0.5	5.8	23.30	19.35	17.93	14.89
10.400	0.4	3.9	18.19	16.67	14.00	12.82
10.500	0.2	2.0	15.07	13.93	11.59	10.71
10.600	0.0	0.1	-12.86	-11.81	-9.90	-9.09
10.700	-0.2	-1.9	-17.12	-14.73	-13.17	-11.33
10.800	-0.4	-3.8	-21.77	-17.87	-16.75	-13.74
10.900	-0.5	-5.7	-26.77	-21.20	-20.59	-16.31
11.000	-0.7	-7.6	-32.02	-24.72	-24.63	-19.01

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	103.0	-84.3	74.3
1.100	103.0	-83.0	75.5
1.200	103.0	-81.8	76.8
1.300	103.0	-80.5	78.0
1.400	103.0	-79.2	79.3
1.500	103.0	-78.0	80.5
1.600	103.0	-76.7	81.8
1.700	103.0	-75.4	83.1
1.800	103.0	-74.2	84.3
1.900	103.0	-72.9	85.6
2.000	103.0	-71.7	86.9
2.000	90.8	-71.7	63.3
2.100	90.8	-75.2	64.5
2.200	90.8	-73.9	65.8
2.300	90.8	-72.7	67.0
2.400	90.8	-71.5	68.3
2.500	90.8	-70.2	69.5
2.600	90.8	-68.9	70.8
2.700	90.8	-67.7	72.0
2.800	90.8	-66.5	73.3
2.900	90.8	-65.2	74.5
3.000	90.8	-64.0	70.3
3.000	90.8	-64.0	63.7
3.100	90.8	-74.7	65.0
3.200	90.8	-73.5	66.2
3.300	90.8	-72.3	67.4
3.400	90.8	-71.0	68.7
3.500	90.8	-69.8	69.9
3.600	90.8	-68.5	71.2
3.700	90.8	-67.3	72.4
3.800	90.8	-66.0	73.7
3.900	90.8	-64.8	74.9
4.000	90.8	-63.6	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	90.8	-63.6	63.6
4.100	90.8	-74.9	64.9
4.200	90.8	-73.6	66.1
4.300	90.8	-72.4	67.3
4.400	90.8	-71.1	68.6
4.500	90.8	-69.9	69.8
4.600	90.8	-68.6	71.1
4.700	90.8	-67.4	72.3
4.800	90.8	-66.1	73.6
4.900	90.8	-64.9	74.8
5.000	90.8	-63.7	70.3
5.000	90.8	-63.7	63.6
5.100	90.8	-74.8	64.9
5.200	90.8	-73.6	66.1
5.300	90.8	-72.3	67.4
5.400	90.8	-71.1	68.6
5.500	90.8	-69.9	69.8
5.600	90.8	-68.6	71.1
5.700	90.8	-67.4	72.4
5.800	90.8	-66.1	73.6
5.900	90.8	-64.9	74.8
6.000	90.8	-63.6	70.3
6.000	90.8	-63.6	63.6
6.100	90.8	-74.8	64.9
6.200	90.8	-73.6	66.1
6.300	90.8	-72.4	67.4
6.400	90.8	-71.1	68.6
6.500	90.8	-69.9	69.8
6.600	90.8	-68.6	71.1
6.700	90.8	-67.4	72.3
6.800	90.8	-66.1	73.6
6.900	90.8	-64.9	74.8
7.000	90.8	-63.6	70.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	90.8	-63.6	63.7
7.100	90.8	-74.8	64.9
7.200	90.8	-73.6	66.1
7.300	90.8	-72.3	67.4
7.400	90.8	-71.1	68.6
7.500	90.8	-69.9	69.9
7.600	90.8	-68.6	71.1
7.700	90.8	-67.3	72.4
7.800	90.8	-66.1	73.6
7.900	90.8	-64.9	74.9
8.000	90.8	-63.6	70.3
8.000	90.8	-63.6	63.6
8.100	90.8	-74.9	64.8
8.200	90.8	-73.7	66.0
8.300	90.8	-72.4	67.3
8.400	90.8	-71.2	68.5
8.500	90.8	-70.0	69.7
8.600	90.8	-68.7	71.0
8.700	90.8	-67.4	72.3
8.800	90.8	-66.2	73.5
8.900	90.8	-65.0	74.7
9.000	90.8	-63.7	70.3
9.000	90.8	-63.7	64.0
9.100	90.8	-74.5	65.2
9.200	90.8	-73.3	66.5
9.300	90.8	-72.0	67.7
9.400	90.8	-70.8	68.9
9.500	90.8	-69.5	70.2
9.600	90.8	-68.3	71.4
9.700	90.8	-67.0	72.7
9.800	90.8	-65.8	73.9
9.900	90.8	-64.5	75.2
10.000	90.8	-63.3	70.4

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	103.0	-63.3	71.7
10.100	103.0	-85.6	72.9
10.200	103.0	-84.3	74.2
10.300	103.0	-83.1	75.4
10.400	103.0	-81.8	76.7
10.500	103.0	-80.6	78.0
10.600	103.0	-79.3	79.2
10.700	103.0	-78.0	80.5
10.800	103.0	-76.8	81.8
10.900	103.0	-75.5	83.0
11.000	103.0	-74.3	79.7

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	35.09	2.32	HS 46.40	83.5
1.100	26.21	2.82	HS 56.45	101.6
1.200	13.91	3.53	HS 70.55	127.0
1.300	9.22	4.56	HS 91.23	164.2
1.400	6.91	6.17	HS 123.37	222.1
1.500	5.17	8.31	HS 103.44	186.2
1.600	4.21	12.14	HS 84.26	151.7
1.700	3.24	17.93	HS 64.72	116.5
1.800	2.63	29.83	HS 52.57	94.6
1.900	2.23	63.79	HS 44.58	80.2
2.000	1.95	134.86	HS 39.02	70.2
2.000	1.95	1.81	HS 36.22	65.2
2.100	25.09	2.13	HS 42.66	76.8
2.200	17.62	2.58	HS 51.55	92.8
2.300	11.25	3.24	HS 64.88	116.8
2.400	7.91	4.02	HS 80.35	144.6
2.500	5.37	5.23	HS 104.58	188.2
2.600	4.11	7.52	HS 82.31	148.2
2.700	3.30	10.55	HS 66.01	118.8
2.800	2.62	16.13	HS 52.45	94.4
2.900	2.17	19.63	HS 43.39	78.1
3.000	1.86	18.51	HS 37.11	66.8
3.000	1.86	1.85	HS 36.91	66.4
3.100	23.05	2.16	HS 43.14	77.7
3.200	16.42	2.61	HS 52.13	93.8
3.300	10.71	3.28	HS 65.57	118.0
3.400	7.62	4.09	HS 81.87	147.4
3.500	5.32	5.33	HS 106.34	191.4
3.600	4.08	7.70	HS 81.65	147.0
3.700	3.27	10.86	HS 65.42	117.8
3.800	2.60	16.76	HS 52.00	93.6
3.900	2.15	23.79	HS 43.03	77.5
4.000	1.84	22.65	HS 36.81	66.3

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	1.84	1.84	HS 36.81	66.3
4.100	23.34	2.15	HS 43.07	77.5
4.200	16.58	2.60	HS 52.04	93.7
4.300	10.78	3.27	HS 65.47	117.8
4.400	7.66	4.09	HS 81.73	147.1
4.500	5.32	5.32	HS 106.37	191.5
4.600	4.09	7.64	HS 81.78	147.2
4.700	3.28	10.73	HS 65.53	118.0
4.800	2.60	16.48	HS 52.09	93.8
4.900	2.15	23.26	HS 43.10	77.6
5.000	1.84	22.17	HS 36.88	66.4
5.000	1.84	1.84	HS 36.86	66.4
5.100	23.20	2.15	HS 43.09	77.6
5.200	16.49	2.60	HS 52.07	93.7
5.300	10.74	3.28	HS 65.50	117.9
5.400	7.64	4.09	HS 81.76	147.2
5.500	5.32	5.32	HS 106.41	191.5
5.600	4.09	7.65	HS 81.74	147.1
5.700	3.27	10.75	HS 65.49	117.9
5.800	2.60	16.52	HS 52.06	93.7
5.900	2.15	23.26	HS 43.08	77.5
6.000	1.84	22.15	HS 36.86	66.3
6.000	1.84	1.84	HS 36.86	66.3
6.100	23.26	2.15	HS 43.08	77.5
6.200	16.52	2.60	HS 52.06	93.7
6.300	10.75	3.28	HS 65.49	117.9
6.400	7.65	4.09	HS 81.74	147.1
6.500	5.32	5.32	HS 106.39	191.5
6.600	4.09	7.64	HS 81.76	147.2
6.700	3.28	10.74	HS 65.50	117.9
6.800	2.60	16.49	HS 52.07	93.7
6.900	2.15	23.20	HS 43.09	77.6
7.000	1.84	22.10	HS 36.86	66.4

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

INV.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	1.84	1.84	HS 36.86	66.4
7.100	23.26	2.15	HS 43.10	77.6
7.200	16.49	2.60	HS 52.09	93.8
7.300	10.73	3.28	HS 65.53	118.0
7.400	7.64	4.09	HS 81.78	147.2
7.500	5.32	5.32	HS 106.43	191.6
7.600	4.09	7.66	HS 81.73	147.1
7.700	3.27	10.78	HS 65.47	117.8
7.800	2.60	16.58	HS 52.04	93.7
7.900	2.15	23.34	HS 43.07	77.5
8.000	1.84	22.23	HS 36.85	66.3
8.000	1.84	1.84	HS 36.81	66.3
8.100	23.80	2.15	HS 43.03	77.5
8.200	16.76	2.60	HS 52.00	93.6
8.300	10.86	3.27	HS 65.42	117.8
8.400	7.70	4.08	HS 81.65	147.0
8.500	5.33	5.31	HS 106.29	191.3
8.600	4.09	7.62	HS 81.87	147.4
8.700	3.28	10.71	HS 65.57	118.0
8.800	2.61	16.43	HS 52.13	93.8
8.900	2.16	23.05	HS 43.14	77.7
9.000	1.85	21.98	HS 36.91	66.4
9.000	1.85	1.86	HS 36.91	66.4
9.100	20.47	2.17	HS 43.39	78.1
9.200	16.14	2.62	HS 52.46	94.4
9.300	10.55	3.30	HS 66.02	118.8
9.400	7.53	4.12	HS 82.31	148.2
9.500	5.23	5.36	HS 104.65	188.4
9.600	4.02	7.92	HS 80.37	144.7
9.700	3.24	11.26	HS 64.87	116.8
9.800	2.58	17.63	HS 51.55	92.8
9.900	2.13	24.04	HS 42.66	76.8
10.000	1.83	22.50	HS 36.51	65.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	1.83	1.95	HS 36.51	65.7
10.100	63.70	2.23	HS 44.60	80.3
10.200	29.79	2.63	HS 52.59	94.7
10.300	17.90	3.24	HS 64.74	116.5
10.400	12.12	4.22	HS 84.31	151.8
10.500	8.30	5.17	HS 103.48	186.3
10.600	6.16	6.91	HS 123.26	221.9
10.700	4.56	9.23	HS 91.17	164.1
10.800	3.53	13.93	HS 70.51	126.9
10.900	2.82	26.22	HS 56.42	101.6
11.000	2.32	33.58	HS 46.38	83.5

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 96.4	196.4	196.4	-196.4	-196.4	196.4	196.4	-196.4	-1
1.100 07.3	203.7	203.7	-189.1	-189.1	185.4	185.4	-207.3	-2
1.200 15.1	208.9	208.9	-183.9	-183.9	177.6	177.6	-215.1	-2
1.300 19.8	212.0	212.0	-180.8	-180.8	173.0	173.0	-219.8	-2
1.400 21.3	213.0	213.0	-179.8	-179.8	171.4	171.4	-221.3	-2
1.500 96.9	207.2	189.1	-176.1	-158.0	168.3	150.3	-214.9	-1
1.600 14.8	208.7	208.7	-184.1	-184.1	177.9	177.9	-214.8	-2
1.700 06.8	203.3	203.3	-189.4	-189.4	185.9	185.9	-206.8	-2
1.800 95.7	195.9	195.9	-196.8	-196.8	197.0	197.0	-195.7	-1
1.900 81.4	186.4	186.4	-206.3	-206.3	211.3	211.3	-181.4	-1
2.000 64.0	174.8	174.8	-217.9	-217.9	228.7	228.7	-164.0	-1
2.000 32.4	143.2	143.2	-186.3	-186.3	197.1	197.1	-132.4	-1
2.100 47.3	153.1	153.1	-176.5	-176.5	182.3	182.3	-147.3	-1
2.200 59.0	160.9	160.9	-168.6	-168.6	170.6	170.6	-159.0	-1
2.300 67.6	166.7	166.7	-162.9	-162.9	161.9	161.9	-167.6	-1
2.400 73.2	170.4	170.4	-159.2	-159.2	156.4	156.4	-173.2	-1
2.500 53.0	167.1	149.4	-152.7	-135.0	149.1	131.3	-170.7	-1
2.600 74.8	171.5	171.5	-158.1	-158.1	154.7	154.7	-174.8	-1
2.700 71.0	168.9	168.9	-160.6	-160.6	158.6	158.6	-171.0	-1
2.800 64.0	164.3	164.3	-165.3	-165.3	165.5	165.5	-164.0	-1
2.900 54.0	157.6	157.6	-172.0	-172.0	175.6	175.6	-154.0	-1

3.000 40.8	148.8	148.8	-180.8	-180.8	188.7	188.7	-140.8	-1
3.000 40.8	148.8	148.8	-180.8	-180.8	188.7	188.7	-140.8	-1
3.100 54.6	158.0	158.0	-171.6	-171.6	175.0	175.0	-154.6	-1
3.200 65.3	165.1	165.1	-164.5	-164.5	164.3	164.3	-165.3	-1
3.300 72.8	170.1	170.2	-159.4	-159.4	156.7	156.7	-172.8	-1
3.400 77.3	173.1	173.1	-156.4	-156.4	152.3	152.3	-177.3	-1
3.500 78.7	174.0	174.0	-155.5	-155.5	150.9	150.9	-178.7	-1
3.600 76.9	172.8	172.8	-156.7	-156.7	152.7	152.7	-176.9	-1
3.700 71.9	169.5	169.6	-160.0	-160.0	157.6	157.6	-171.9	-1
3.800 63.9	164.2	164.2	-165.4	-165.4	165.6	165.7	-163.9	-1
3.900 52.8	156.8	156.8	-172.8	-172.8	176.8	176.8	-152.8	-1
4.000 38.6	147.3	147.3	-182.2	-182.3	191.0	191.0	-138.6	-1

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

INV.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 38.6	147.3	147.3	-182.2	-182.3	191.0	191.0	-138.6	-1
4.100 52.6	156.7	156.7	-172.9	-172.9	176.9	176.9	-152.6	-1
4.200 63.6	164.0	164.0	-165.6	-165.6	166.0	166.0	-163.6	-1
4.300 71.4	169.2	169.2	-160.4	-160.4	158.1	158.1	-171.4	-1
4.400 76.2	172.4	172.4	-157.2	-157.2	153.4	153.4	-176.2	-1
4.500 55.2	168.6	150.9	-151.2	-133.5	146.9	129.1	-173.0	-1
4.600 76.3	172.4	172.5	-157.1	-157.1	153.3	153.3	-176.3	-1
4.700 71.7	169.4	169.4	-160.2	-160.2	157.9	157.9	-171.6	-1
4.800 63.9	164.2	164.2	-165.4	-165.4	165.6	165.7	-163.9	-1
4.900 53.1	157.0	157.0	-172.6	-172.6	176.5	176.5	-153.1	-1
5.000 39.1	147.7	147.7	-181.9	-181.9	190.4	190.4	-139.1	-1
5.000 39.1	147.7	147.7	-181.9	-181.9	190.4	190.4	-139.1	-1
5.100 53.1	157.0	157.0	-172.6	-172.6	176.4	176.4	-153.1	-1
5.200 64.0	164.3	164.3	-165.3	-165.3	165.6	165.6	-164.0	-1
5.300 71.8	169.4	169.4	-160.1	-160.1	157.8	157.8	-171.8	-1
5.400 76.4	172.5	172.6	-157.0	-157.0	153.1	153.1	-176.4	-1
5.500 55.4	168.7	151.0	-151.1	-133.3	146.7	128.9	-173.1	-1
5.600 76.4	172.5	172.5	-157.0	-157.0	153.2	153.2	-176.4	-1
5.700 71.7	169.4	169.4	-160.2	-160.2	157.9	157.9	-171.7	-1
5.800 63.9	164.2	164.2	-165.4	-165.4	165.7	165.7	-163.9	-1
5.900 53.0	156.9	156.9	-172.7	-172.7	176.6	176.6	-153.0	-1

6.000	147.6	147.6	-182.0	-182.0	190.6	190.6	-139.0	-1
39.0								
6.000	147.6	147.6	-182.0	-182.0	190.6	190.6	-139.0	-1
39.0								
6.100	156.9	156.9	-172.7	-172.7	176.6	176.6	-153.0	-1
53.0								
6.200	164.2	164.2	-165.4	-165.4	165.7	165.7	-163.9	-1
63.9								
6.300	169.4	169.4	-160.2	-160.2	157.9	157.9	-171.7	-1
71.7								
6.400	172.5	172.5	-157.0	-157.0	153.2	153.2	-176.4	-1
76.4								
6.500	168.7	151.0	-151.1	-133.3	146.7	128.9	-173.1	-1
55.4								
6.600	172.5	172.6	-157.0	-157.0	153.1	153.1	-176.4	-1
76.4								
6.700	169.4	169.4	-160.1	-160.1	157.8	157.8	-171.8	-1
71.8								
6.800	164.2	164.3	-165.3	-165.3	165.6	165.6	-164.0	-1
64.0								
6.900	157.0	157.0	-172.6	-172.6	176.4	176.4	-153.1	-1
53.1								
7.000	147.7	147.7	-181.9	-181.9	190.4	190.4	-139.1	-1
39.1								

9.000 40.8	148.8	148.8	-180.8	-180.8	188.8	188.8	-140.8	-1
9.000 40.8	148.8	148.8	-180.8	-180.8	188.8	188.8	-140.8	-1
9.100 54.0	157.6	157.6	-172.0	-172.0	175.6	175.6	-154.0	-1
9.200 64.0	164.3	164.3	-165.3	-165.3	165.5	165.5	-164.0	-1
9.300 71.0	168.9	168.9	-160.6	-160.6	158.6	158.6	-171.0	-1
9.400 74.9	171.5	171.5	-158.1	-158.1	154.7	154.7	-174.8	-1
9.500 53.0	167.1	149.4	-152.7	-134.9	149.1	131.3	-170.7	-1
9.600 73.2	170.4	170.4	-159.2	-159.2	156.4	156.4	-173.2	-1
9.700 67.7	166.7	166.7	-162.9	-162.9	161.9	161.9	-167.7	-1
9.800 59.0	161.0	161.0	-168.6	-168.6	170.5	170.5	-159.0	-1
9.900 47.3	153.1	153.1	-176.4	-176.4	182.2	182.2	-147.3	-1
10.000 32.5	143.3	143.3	-186.3	-186.3	197.1	197.1	-132.5	-1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	2.77	33.09	2.77	33.09	HS 55.44	99.8
1.200	1.63	17.17	1.63	17.17	HS 32.65	58.8
1.300	1.35	11.69	1.35	11.69	HS 26.96	48.5
1.400	1.33	8.83	1.33	8.83	HS 26.68	48.0
1.500	1.39	6.86	1.24	6.28	HS 24.80	44.6
1.600	1.55	5.72	1.55	5.72	HS 30.93	55.7
1.700	1.87	4.72	1.87	4.72	HS 37.41	67.3
1.800	3.09	3.90	3.09	3.90	HS 61.75	111.1
1.900	8.95	2.92	8.95	2.92	HS 58.37	105.1
2.000	13.61	1.58	13.61	1.58	HS 31.50	56.7
2.000	11.73	1.27	11.73	1.27	HS 25.43	45.8
2.100	8.48	2.16	8.48	2.16	HS 43.24	77.8
2.200	2.92	2.85	2.92	2.85	HS 57.01	102.6
2.300	1.89	3.62	1.89	3.62	HS 37.84	68.1
2.400	1.62	4.70	1.62	4.70	HS 32.48	58.5
2.500	1.58	6.25	1.40	5.60	HS 27.92	50.3
2.600	1.61	5.81	1.61	5.82	HS 32.21	58.0
2.700	1.84	4.51	1.84	4.51	HS 36.88	66.4
2.800	2.79	3.59	2.79	3.59	HS 55.84	100.5
2.900	6.89	2.61	6.89	2.61	HS 52.20	94.0
3.000	9.37	1.43	9.37	1.43	HS 28.58	51.4
3.000	9.37	1.43	9.37	1.43	HS 28.58	51.4
3.100	6.72	2.63	6.72	2.63	HS 52.52	94.5
3.200	2.77	3.64	2.77	3.64	HS 55.30	99.5
3.300	1.81	4.58	1.81	4.58	HS 36.25	65.2
3.400	1.57	5.91	1.57	5.91	HS 31.39	56.5
3.500	1.59	7.94	1.59	7.94	HS 31.87	57.4
3.600	1.57	5.84	1.57	5.84	HS 31.48	56.7
3.700	1.82	4.51	1.82	4.51	HS 36.44	65.6
3.800	2.79	3.57	2.79	3.57	HS 55.69	100.2
3.900	7.03	2.58	7.03	2.58	HS 51.66	93.0
4.000	11.54	1.40	11.55	1.40	HS 28.09	50.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	11.54	1.40	11.55	1.40	HS 28.09	50.6
4.100	6.97	2.59	6.97	2.59	HS 51.78	93.2
4.200	2.80	3.58	2.80	3.58	HS 56.03	100.9
4.300	1.83	4.52	1.83	4.52	HS 36.65	66.0
4.400	1.59	5.84	1.59	5.84	HS 31.70	57.1
4.500	1.55	7.58	1.37	6.80	HS 27.35	49.2
4.600	1.58	5.83	1.58	5.83	HS 31.66	57.0
4.700	1.83	4.51	1.83	4.51	HS 36.58	65.9
4.800	2.79	3.58	2.79	3.58	HS 55.87	100.6
4.900	6.97	2.59	6.97	2.59	HS 51.77	93.2
5.000	11.33	1.41	11.33	1.41	HS 28.18	50.7
5.000	11.33	1.41	11.33	1.41	HS 28.18	50.7
5.100	6.86	2.59	6.86	2.59	HS 51.80	93.2
5.200	2.79	3.58	2.79	3.58	HS 55.85	100.5
5.300	1.83	4.52	1.83	4.52	HS 36.56	65.8
5.400	1.58	5.84	1.58	5.84	HS 31.63	56.9
5.500	1.55	7.60	1.37	6.82	HS 27.31	49.1
5.600	1.58	5.83	1.58	5.83	HS 31.64	57.0
5.700	1.83	4.51	1.83	4.51	HS 36.57	65.8
5.800	2.79	3.58	2.79	3.58	HS 55.88	100.6
5.900	6.99	2.59	6.99	2.59	HS 51.74	93.1
6.000	11.39	1.41	11.39	1.41	HS 28.14	50.7
6.000	11.39	1.41	11.39	1.41	HS 28.14	50.7
6.100	6.87	2.59	6.87	2.59	HS 51.74	93.1
6.200	2.79	3.58	2.79	3.58	HS 55.88	100.6
6.300	1.83	4.51	1.83	4.51	HS 36.57	65.8
6.400	1.58	5.83	1.58	5.83	HS 31.64	57.0
6.500	1.55	7.60	1.37	6.82	HS 27.31	49.1
6.600	1.58	5.84	1.58	5.84	HS 31.63	56.9
6.700	1.83	4.52	1.83	4.52	HS 36.56	65.8
6.800	2.79	3.58	2.79	3.58	HS 55.85	100.5
6.900	6.97	2.59	6.97	2.59	HS 51.80	93.2
7.000	11.33	1.41	11.33	1.41	HS 28.18	50.7

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	11.33	1.41	11.33	1.41	HS 28.18	50.7
7.100	6.86	2.59	6.86	2.59	HS 51.77	93.2
7.200	2.79	3.58	2.79	3.58	HS 55.87	100.6
7.300	1.83	4.51	1.83	4.51	HS 36.58	65.9
7.400	1.58	5.83	1.58	5.83	HS 31.66	57.0
7.500	1.55	7.58	1.37	6.80	HS 27.35	49.2
7.600	1.59	5.84	1.59	5.84	HS 31.70	57.1
7.700	1.83	4.52	1.83	4.52	HS 36.65	66.0
7.800	2.80	3.58	2.80	3.58	HS 56.03	100.9
7.900	7.09	2.59	7.09	2.59	HS 51.78	93.2
8.000	11.54	1.40	11.54	1.40	HS 28.09	50.6
8.000	11.54	1.40	11.54	1.40	HS 28.09	50.6
8.100	6.92	2.58	6.92	2.58	HS 51.66	93.0
8.200	2.79	3.57	2.79	3.57	HS 55.69	100.2
8.300	1.82	4.51	1.82	4.51	HS 36.44	65.6
8.400	1.57	5.84	1.57	5.84	HS 31.48	56.7
8.500	1.59	7.94	1.59	7.94	HS 31.87	57.4
8.600	1.57	5.91	1.57	5.91	HS 31.40	56.5
8.700	1.81	4.58	1.81	4.58	HS 36.25	65.3
8.800	2.77	3.64	2.77	3.64	HS 55.31	99.6
8.900	6.84	2.63	6.84	2.63	HS 52.53	94.6
9.000	9.41	1.43	9.41	1.43	HS 28.58	51.4
9.000	9.41	1.43	9.41	1.43	HS 28.58	51.4
9.100	6.78	2.61	6.78	2.61	HS 52.19	93.9
9.200	2.79	3.59	2.79	3.59	HS 55.84	100.5
9.300	1.84	4.51	1.84	4.51	HS 36.88	66.4
9.400	1.61	5.82	1.61	5.82	HS 32.20	58.0
9.500	1.59	6.27	1.40	5.62	HS 27.92	50.3
9.600	1.62	4.72	1.62	4.72	HS 32.49	58.5
9.700	1.89	3.63	1.89	3.63	HS 37.85	68.1
9.800	2.92	2.86	2.92	2.86	HS 57.23	103.0
9.900	8.65	2.17	8.65	2.17	HS 43.39	78.1
10.000	11.71	1.28	11.71	1.28	HS 25.64	46.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: INV.

Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	11.71	1.28	11.71	1.28	HS 25.64	46.1
10.100	8.77	2.92	8.77	2.92	HS 58.36	105.1
10.200	3.08	3.90	3.08	3.90	HS 61.52	110.7
10.300	1.87	4.71	1.87	4.71	HS 37.32	67.2
10.400	1.54	5.71	1.54	5.71	HS 30.88	55.6
10.500	1.43	7.00	1.43	7.00	HS 28.52	51.3
10.600	1.33	8.82	1.33	8.82	HS 26.65	48.0
10.700	1.35	11.68	1.35	11.68	HS 26.94	48.5
10.800	1.63	17.14	1.63	17.14	HS 32.63	58.7
10.900	2.77	33.04	2.77	33.04	HS 55.42	99.8
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.6	66.89 L	41.78	51.45	32.14
1.200	2.7	28.5	108.81 L	71.39	83.70	54.91
1.300	3.4	35.6	128.29 L	91.09	98.69	70.07
1.400	3.6	37.9	128.52 L	99.40	98.86	76.46
1.500	3.4	35.4	121.16 L	98.99	93.20	76.15
1.600	2.8	28.0	115.03 L	88.80	88.49	68.31
1.700	1.7	15.8	99.40 L	71.87	76.46	55.29
1.800	0.1	-1.2	63.82 L	47.49	49.09	36.53
1.900	-1.9	-23.0	-62.16 L	-58.12	-47.82	-44.71
2.000	-4.4	-49.5	-104.15 L	-96.15	-80.12	-73.97
2.000	-4.4	-49.5	-104.15 L	-96.15	-80.12	-73.96
2.100	-2.5	-26.7	-68.11 R	-58.92	-52.39	-45.32
2.200	-1.0	-8.6	58.37 R	40.81	44.90	31.40
2.300	0.1	4.7	85.59 R	61.73	65.84	47.49
2.400	0.8	13.2	96.30 R	74.65	74.08	57.42
2.500	1.1	16.9	94.10 L	80.16	72.38	61.66
2.600	1.1	15.7	96.08 L	76.05	73.90	58.50
2.700	0.7	9.7	85.99 L	64.49	66.14	49.61
2.800	-0.1	-1.1	59.28 L	45.22	45.60	34.79
2.900	-1.3	-16.7	-58.99 L	-53.53	-45.38	-41.18
3.000	-2.9	-37.1	-98.54 L	-89.38	-75.80	-68.76
3.000	-2.9	-37.1	-98.54 L	-89.38	-75.80	-68.76
3.100	-1.2	-15.8	-58.87 R	-53.04	-45.28	-40.80
3.200	0.1	0.7	59.42 R	45.04	45.71	34.64
3.300	1.0	12.4	86.47 R	65.45	66.52	50.35
3.400	1.6	19.3	97.00 R	77.70	74.61	59.77
3.500	1.7	21.4	94.70 R	82.52	72.84	63.47
3.600	1.5	18.6	97.03 L	77.63	74.64	59.72
3.700	0.9	11.1	86.52 L	65.31	66.55	50.24
3.800	-0.1	-1.3	59.49 L	45.31	45.76	34.86
3.900	-1.5	-18.5	-59.16 L	-54.26	-45.51	-41.74
4.000	-3.3	-40.4	-98.65 L	-90.84	-75.89	-69.88

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
 Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
4.000	-3.3	-40.4	-98.65 L	-90.84	-75.89	-69.88
4.100	-1.6	-18.7	-58.95 R	-54.36	-45.35	-41.82
4.200	-0.2	-1.8	59.24 R	44.41	45.57	34.16
4.300	0.8	10.3	86.29 R	64.86	66.37	49.89
4.400	1.3	17.6	96.78 R	77.15	74.45	59.35
4.500	1.5	20.2	94.42 R	82.02	72.63	63.09
4.600	1.4	17.8	96.81 L	77.26	74.47	59.43
4.700	0.8	10.6	86.33 L	65.08	66.41	50.06
4.800	-0.1	-1.3	59.30 L	45.24	45.62	34.80
4.900	-1.5	-18.0	-59.13 L	-54.33	-45.49	-41.79
5.000	-3.2	-39.6	-98.74 L	-90.78	-75.96	-69.83
5.000	-3.2	-39.6	-98.74 L	-90.78	-75.96	-69.83
5.100	-1.5	-18.0	-59.12 R	-54.32	-45.47	-41.79
5.200	-0.1	-1.2	59.30 R	44.72	45.61	34.40
5.300	0.8	10.8	86.33 R	65.12	66.41	50.09
5.400	1.4	18.0	96.81 R	77.36	74.47	59.51
5.500	1.6	20.5	94.43 R	82.16	72.64	63.20
5.600	1.4	18.0	96.81 L	77.35	74.47	59.50
5.700	0.8	10.7	86.33 L	65.11	66.41	50.08
5.800	-0.1	-1.4	59.30 L	45.21	45.61	34.78
5.900	-1.5	-18.2	-59.13 L	-54.40	-45.49	-41.84
6.000	-3.2	-39.8	-98.75 R	-90.90	-75.96	-69.92
6.000	-3.2	-39.8	-98.75 R	-90.90	-75.96	-69.92
6.100	-1.5	-18.2	-59.13 R	-54.42	-45.49	-41.86
6.200	-0.1	-1.4	59.30 R	44.70	45.61	34.38
6.300	0.8	10.7	86.33 R	65.11	66.41	50.08
6.400	1.4	18.0	96.81 R	77.35	74.47	59.50
6.500	1.6	20.5	94.43 L	82.16	72.64	63.20
6.600	1.4	18.0	96.81 L	77.36	74.47	59.51
6.700	0.8	10.8	86.33 L	65.12	66.41	50.09
6.800	-0.1	-1.2	59.30 L	45.24	45.61	34.80
6.900	-1.5	-18.0	-59.12 L	-54.30	-45.47	-41.77
7.000	-3.2	-39.6	-98.75 L	-90.78	-75.96	-69.83

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane	
7.000	-3.2	-39.6	-98.75	L	-90.78	-75.96	-69.83
7.100	-1.5	-18.0	-59.13	R	-54.36	-45.49	-41.81
7.200	-0.1	-1.3	59.30	R	44.72	45.62	34.40
7.300	0.8	10.6	86.33	R	65.08	66.41	50.06
7.400	1.4	17.8	96.81	R	77.26	74.47	59.43
7.500	1.5	20.2	94.42	L	82.02	72.63	63.09
7.600	1.3	17.6	96.78	L	77.15	74.45	59.35
7.700	0.8	10.3	86.29	L	64.86	66.37	49.89
7.800	-0.2	-1.8	59.24	L	44.93	45.57	34.56
7.900	-1.6	-18.7	-58.95	L	-54.33	-45.34	-41.79
8.000	-3.3	-40.4	-98.65	R	-90.83	-75.89	-69.87
8.000	-3.3	-40.4	-98.65	R	-90.83	-75.89	-69.87
8.100	-1.5	-18.5	-59.16	R	-54.28	-45.51	-41.76
8.200	-0.1	-1.3	59.49	R	44.80	45.76	34.46
8.300	0.9	11.1	86.52	R	65.31	66.55	50.24
8.400	1.5	18.6	97.03	R	77.62	74.64	59.71
8.500	1.7	21.4	94.70	L	82.51	72.84	63.47
8.600	1.6	19.3	96.99	L	77.69	74.61	59.76
8.700	1.0	12.4	86.47	L	65.44	66.51	50.34
8.800	0.1	0.7	59.41	L	45.53	45.70	35.03
8.900	-1.2	-15.8	-58.85	L	-53.00	-45.27	-40.77
9.000	-2.9	-37.1	-98.53	R	-89.37	-75.79	-68.75
9.000	-2.9	-37.1	-98.53	R	-89.37	-75.79	-68.75
9.100	-1.3	-16.7	-59.00	R	-53.55	-45.38	-41.19
9.200	-0.1	-1.1	59.28	R	44.71	45.60	34.39
9.300	0.7	9.7	85.98	R	64.49	66.14	49.61
9.400	1.1	15.7	96.08	R	76.04	73.91	58.49
9.500	1.1	16.9	94.08	R	80.13	72.37	61.64
9.600	0.8	13.2	96.27	L	74.62	74.05	57.40
9.700	0.1	4.7	85.54	L	61.69	65.80	47.45
9.800	-1.0	-8.5	58.31	L	41.30	44.85	31.77
9.900	-2.5	-26.6	-67.90	L	-58.74	-52.23	-45.19
10.000	-4.4	-49.4	-103.37	R	-95.99	-79.51	-73.84

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.4	-49.4	-103.37 R	-95.99	-79.51	-73.84
10.100	-1.9	-22.9	-62.19 R	-58.00	-47.84	-44.61
10.200	0.1	-1.1	64.03 R	47.61	49.26	36.62
10.300	1.7	15.9	99.59 R	72.01	76.61	55.39
10.400	2.8	28.1	115.21 R	88.94	88.62	68.42
10.500	3.5	35.5	121.33 R	99.13	93.33	76.25
10.600	3.7	37.9	128.64 R	99.50	98.95	76.54
10.700	3.4	35.6	128.37 R	91.15	98.75	70.12
10.800	2.7	28.5	108.87 R	71.42	83.74	54.94
10.900	1.6	16.7	66.91 R	41.80	51.47	32.15
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 4	1.000	359.4C	314.7	-314.7	-359.4C	359.4	314.7	-314.7	-359.
6	1.100	359.4C	314.7	-314.7	-359.4C	341.2	296.5	-332.9	-377.
6	1.200	359.4C	314.7	-314.7	-359.4C	328.2	283.5	-345.9	-390.
4	1.300	359.4C	314.7	-314.7	-359.4C	320.4	275.7	-353.7	-398.
9	1.400	359.4C	314.7	-314.7	-359.4C	317.9	273.2	-356.2	-400.
1	1.500	373.3C	278.2	-307.1	-373.3C	334.5	239.3	-346.0	-412.
2	1.600	359.4C	314.7	-314.7	-359.4C	328.6	283.9	-345.4	-390.
8	1.700	359.4C	314.7	-314.7	-359.4C	342.0	297.3	-332.1	-376.
3	1.800	359.4C	314.7	-314.7	-359.4C	360.5	315.8	-313.6	-358.
5	1.900	359.4C	314.7	-314.7	-359.4C	384.3	339.6	-289.8	-334.
5	2.000	359.4C	314.7	-314.7	-359.4C	413.3	368.6	-260.8	-305.
3	2.000	301.2C	264.1	-264.1	-301.2C	355.1	318.0	-210.2	-247.
0	2.100	301.2C	264.1	-264.1	-301.2C	330.4	293.3	-234.9	-272.
6	2.200	301.2C	264.1	-264.1	-301.2C	310.8	273.7	-254.4	-291.
9	2.300	301.2C	264.1	-264.1	-301.2C	296.5	259.3	-268.8	-305.
2	2.400	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.0	-315.
8	2.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
0	2.600	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.8	-318.
5	2.700	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
9	2.800	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
2	2.900	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.1	-283.

3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
2	3.100	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.
0	3.200	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
6	3.300	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
1	3.400	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
4	3.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
3	3.600	301.2C	264.1	-264.1	-301.2C	281.1	243.9	-284.2	-321.
1	3.700	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8	3.800	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
2	3.900	301.2C	264.1	-264.1	-301.2C	321.2	284.1	-244.1	-281.
5	4.000	301.2C	264.1	-264.1	-301.2C	344.9	307.8	-220.4	-257.

2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
5	6.100	301.2C	264.1	-264.1	-301.2C	320.9	283.8	-244.4	-281.
7	6.200	301.2C	264.1	-264.1	-301.2C	302.7	265.6	-262.6	-299.
7	6.300	301.2C	264.1	-264.1	-301.2C	289.7	252.6	-275.6	-312.
6	6.400	301.2C	264.1	-264.1	-301.2C	281.8	244.7	-283.4	-320.
8	6.500	314.7C	227.8	-256.3	-314.7C	292.7	205.8	-278.3	-336.
6	6.600	301.2C	264.1	-264.1	-301.2C	281.8	244.6	-283.5	-320.
8	6.700	301.2C	264.1	-264.1	-301.2C	289.6	252.4	-275.7	-312.
9	6.800	301.2C	264.1	-264.1	-301.2C	302.5	265.4	-262.7	-299.
8	6.900	301.2C	264.1	-264.1	-301.2C	320.6	283.5	-244.6	-281.
5	7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

HS20

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.
7.100	301.2C	264.1	-264.1	-301.2C	320.7	283.6	-244.6	-281.
7.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
7.300	301.2C	264.1	-264.1	-301.2C	289.8	252.6	-275.5	-312.
7.400	301.2C	264.1	-264.1	-301.2C	282.0	244.9	-283.2	-320.
7.500	314.7C	227.8	-256.3	-314.7C	293.0	206.1	-278.0	-336.
7.600	301.2C	264.1	-264.1	-301.2C	282.2	245.1	-283.1	-320.
7.700	301.2C	264.1	-264.1	-301.2C	290.1	253.0	-275.1	-312.
7.800	301.2C	264.1	-264.1	-301.2C	303.2	266.1	-262.1	-299.
7.900	301.2C	264.1	-264.1	-301.2C	321.5	284.3	-243.8	-280.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.100	301.2C	264.1	-264.1	-301.2C	321.2	284.0	-244.1	-281.
8.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
8.300	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8.400	301.2C	264.1	-264.1	-301.2C	281.1	244.0	-284.2	-321.
8.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
8.600	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
8.700	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
8.800	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
8.900	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.

2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.100	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.0	-283.
9	9.200	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
5	9.300	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
0	9.400	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.9	-318.
8	9.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
2	9.600	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.1	-315.
0	9.700	301.2C	264.1	-264.1	-301.2C	296.4	259.3	-268.9	-306.
6	9.800	301.2C	264.1	-264.1	-301.2C	310.8	273.6	-254.5	-291.
1	9.900	301.2C	264.1	-264.1	-301.2C	330.3	293.2	-235.0	-272.
4	10.000	301.2C	264.1	-264.1	-301.2C	355.0	317.9	-210.3	-247.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	HS 999.00 999.0
1.100	5.10	53.14	4.43	60.28	HS 88.64 159.6
1.200	3.02	27.61	2.61	31.18	HS 52.10 93.8
1.300	2.50	18.82	2.15	21.20	HS 42.98 77.4
1.400	2.47	14.22	2.12	16.00	HS 42.51 76.5
1.500	2.76	11.04	1.98	13.16	HS 39.50 71.1
1.600	2.86	9.19	2.47	10.38	HS 49.37 88.9
1.700	3.44	7.57	2.99	8.59	HS 59.81 107.7
1.800	5.65	6.26	4.95	7.15	HS 98.97 178.1
1.900	16.27	4.66	14.38	5.38	HS 93.24 167.8
2.000	24.59	2.50	21.93	2.93	HS 50.08 90.1
2.000	21.13	2.02	18.92	2.37	HS 40.36 72.6
2.100	15.37	3.45	13.64	3.99	HS 68.97 124.1
2.200	5.32	4.56	4.69	5.23	HS 91.22 164.2
2.300	3.46	5.81	3.03	6.61	HS 60.60 109.1
2.400	2.98	7.55	2.60	8.56	HS 51.94 93.5
2.500	3.15	10.04	2.23	12.18	HS 44.59 80.3
2.600	2.96	9.34	2.57	10.57	HS 51.48 92.7
2.700	3.38	7.24	2.95	8.22	HS 59.02 106.2
2.800	5.10	5.75	4.48	6.56	HS 89.51 161.1
2.900	12.53	4.17	11.07	4.80	HS 83.42 150.2
3.000	16.94	2.28	15.10	2.65	HS 45.49 81.9
3.000	16.94	2.28	15.10	2.65	HS 45.49 81.9
3.100	12.23	4.20	10.80	4.83	HS 83.94 151.1
3.200	5.06	5.83	4.43	6.64	HS 88.62 159.5
3.300	3.33	7.35	2.90	8.34	HS 57.98 104.4
3.400	2.89	9.49	2.51	10.73	HS 50.15 90.3
3.500	2.94	12.76	2.54	14.41	HS 50.88 91.6
3.600	2.90	9.38	2.51	10.60	HS 50.28 90.5
3.700	3.34	7.24	2.91	8.22	HS 58.29 104.9
3.800	5.09	5.72	4.46	6.53	HS 89.27 160.7
3.900	12.78	4.13	11.30	4.75	HS 82.52 148.5
4.000	20.85	2.23	18.60	2.61	HS 44.68 80.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	20.85	2.23	18.60	2.61	HS 44.68	80.4
4.100	12.66	4.14	11.20	4.77	HS 82.72	148.9
4.200	5.12	5.74	4.49	6.55	HS 89.83	161.7
4.300	3.36	7.26	2.93	8.24	HS 58.64	105.6
4.400	2.92	9.39	2.53	10.62	HS 50.65	91.2
4.500	3.10	12.19	2.18	14.75	HS 43.65	78.6
4.600	2.91	9.37	2.53	10.60	HS 50.59	91.1
4.700	3.36	7.24	2.93	8.22	HS 58.53	105.3
4.800	5.10	5.73	4.48	6.54	HS 89.55	161.2
4.900	12.67	4.14	11.21	4.76	HS 82.71	148.9
5.000	20.47	2.24	18.26	2.62	HS 44.83	80.7
5.000	20.47	2.24	18.26	2.62	HS 44.83	80.7
5.100	12.46	4.14	11.02	4.77	HS 82.76	149.0
5.200	5.10	5.73	4.48	6.54	HS 89.52	161.1
5.300	3.35	7.25	2.92	8.23	HS 58.48	105.3
5.400	2.91	9.38	2.53	10.60	HS 50.54	91.0
5.500	3.10	12.22	2.18	14.79	HS 43.58	78.4
5.600	2.91	9.37	2.53	10.60	HS 50.56	91.0
5.700	3.36	7.25	2.93	8.22	HS 58.51	105.3
5.800	5.11	5.73	4.48	6.54	HS 89.57	161.2
5.900	12.70	4.13	11.23	4.76	HS 82.65	148.8
6.000	20.57	2.24	18.35	2.61	HS 44.76	80.6
6.000	20.57	2.24	18.35	2.61	HS 44.76	80.6
6.100	12.49	4.13	11.05	4.76	HS 82.65	148.8
6.200	5.11	5.73	4.48	6.54	HS 89.57	161.2
6.300	3.36	7.25	2.93	8.22	HS 58.51	105.3
6.400	2.91	9.37	2.53	10.60	HS 50.56	91.0
6.500	3.10	12.22	2.18	14.79	HS 43.58	78.4
6.600	2.91	9.38	2.53	10.60	HS 50.54	91.0
6.700	3.35	7.25	2.92	8.23	HS 58.48	105.3
6.800	5.10	5.73	4.48	6.54	HS 89.52	161.1
6.900	12.67	4.14	11.21	4.77	HS 82.76	149.0
7.000	20.47	2.24	18.26	2.62	HS 44.83	80.7

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	20.47	2.24	18.26	2.62	HS 44.83	80.7
7.100	12.46	4.14	11.02	4.76	HS 82.71	148.9
7.200	5.10	5.73	4.48	6.54	HS 89.55	161.2
7.300	3.36	7.24	2.93	8.22	HS 58.53	105.3
7.400	2.91	9.37	2.53	10.60	HS 50.59	91.1
7.500	3.10	12.19	2.18	14.75	HS 43.65	78.6
7.600	2.92	9.39	2.53	10.62	HS 50.65	91.2
7.700	3.36	7.26	2.93	8.24	HS 58.64	105.6
7.800	5.12	5.74	4.49	6.55	HS 89.83	161.7
7.900	12.88	4.14	11.39	4.77	HS 82.72	148.9
8.000	20.85	2.23	18.60	2.61	HS 44.68	80.4
8.000	20.85	2.23	18.60	2.61	HS 44.68	80.4
8.100	12.57	4.13	11.11	4.75	HS 82.52	148.5
8.200	5.09	5.72	4.46	6.53	HS 89.27	160.7
8.300	3.34	7.24	2.91	8.22	HS 58.29	104.9
8.400	2.90	9.38	2.51	10.60	HS 50.28	90.5
8.500	2.94	12.76	2.54	14.41	HS 50.88	91.6
8.600	2.89	9.49	2.51	10.73	HS 50.15	90.3
8.700	3.33	7.36	2.90	8.34	HS 57.98	104.4
8.800	5.06	5.83	4.43	6.64	HS 88.63	159.5
8.900	12.44	4.20	10.99	4.83	HS 83.97	151.1
9.000	17.00	2.28	15.15	2.65	HS 45.49	81.9
9.000	17.00	2.28	15.15	2.65	HS 45.49	81.9
9.100	12.33	4.17	10.89	4.80	HS 83.41	150.1
9.200	5.10	5.75	4.48	6.56	HS 89.51	161.1
9.300	3.38	7.24	2.95	8.23	HS 59.02	106.2
9.400	2.96	9.34	2.57	10.58	HS 51.48	92.7
9.500	3.15	10.08	2.23	12.23	HS 44.59	80.3
9.600	2.98	7.58	2.60	8.60	HS 51.95	93.5
9.700	3.46	5.83	3.03	6.63	HS 60.62	109.1
9.800	5.33	4.58	4.69	5.25	HS 91.58	164.8
9.900	15.69	3.46	13.92	4.01	HS 69.21	124.6
10.000	21.09	2.03	18.89	2.39	HS 40.68	73.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: HS20

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
10.000	24.55	2.03	18.89	2.96	HS 40.68	73.2
10.100	15.95	4.66	14.09	5.38	HS 93.22	167.8
10.200	5.63	6.25	4.93	7.14	HS 98.61	177.5
10.300	3.43	7.56	2.98	8.58	HS 59.68	107.4
10.400	2.85	9.18	2.46	10.37	HS 49.28	88.7
10.500	2.64	11.27	2.27	12.70	HS 45.46	81.8
10.600	2.47	14.20	2.12	15.98	HS 42.46	76.4
10.700	2.49	18.79	2.15	21.17	HS 42.94	77.3
10.800	3.01	27.57	2.60	31.13	HS 52.07	93.7
10.900	5.10	53.07	4.43	60.19	HS 88.60	159.5
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	32.01	24.72	24.62	19.01
1.100	0.5	5.7	26.75	21.20	20.58	16.31
1.200	0.4	3.8	21.76	17.86	16.74	13.74
1.300	0.2	1.9	17.11	14.72	13.16	11.32
1.400	0.0	-0.1	12.85	11.80	9.89	9.08
1.500	-0.2	-2.0	-15.08	-13.94	-11.60	-10.72
1.600	-0.4	-3.9	-18.20	-16.68	-14.00	-12.83
1.700	-0.5	-5.8	-23.31	-19.36	-17.93	-14.89
1.800	-0.7	-7.8	-28.22	-21.95	-21.71	-16.88
1.900	-0.9	-9.7	-32.72	-24.40	-25.17	-18.77
2.000	-1.1	-11.6	-36.73	-26.68	-28.25	-20.53
2.000	0.8	-11.6	34.96	26.43	26.89	20.33
2.100	0.7	8.2	30.26	23.88	23.28	18.37
2.200	0.5	6.3	25.52	21.08	19.63	16.22
2.300	0.4	4.4	20.66	18.14	15.89	13.95
2.400	0.2	2.4	16.99	15.15	13.07	11.65
2.500	0.1	0.5	13.29	12.21	10.22	9.39
2.600	-0.1	-1.5	-16.75	-14.76	-12.89	-11.36
2.700	-0.2	-3.4	-20.51	-17.76	-15.78	-13.66
2.800	-0.4	-5.3	-25.34	-20.71	-19.49	-15.93
2.900	-0.6	-7.2	-30.06	-23.53	-23.12	-18.10
3.000	-0.7	-9.1	-34.48	-26.11	-26.53	-20.08
3.000	0.8	9.5	34.53	26.29	26.56	20.22
3.100	0.6	7.6	30.12	23.72	23.17	18.24
3.200	0.4	5.6	25.40	20.91	19.54	16.08
3.300	0.3	3.7	20.57	17.96	15.82	13.82
3.400	0.1	1.8	16.78	14.97	12.91	11.52
3.500	0.0	-0.1	13.13	-12.12	10.10	-9.32
3.600	-0.2	-2.1	-16.78	-15.05	-12.91	-11.58
3.700	-0.3	-4.0	-20.56	-18.04	-15.82	-13.88
3.800	-0.5	-5.9	-25.40	-20.99	-19.54	-16.14
3.900	-0.6	-7.8	-30.11	-23.80	-23.17	-18.31
4.000	-0.8	-9.7	-34.53	-26.37	-26.56	-20.28

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	34.53	26.36	26.56	20.27
4.100	0.6	7.7	30.12	23.79	23.17	18.30
4.200	0.5	5.8	25.40	20.98	19.54	16.14
4.300	0.3	3.9	20.57	18.03	15.82	13.87
4.400	0.2	2.0	16.78	15.04	12.91	11.57
4.500	0.0	0.1	13.13	12.11	10.10	9.31
4.600	-0.1	-1.9	-16.78	-15.02	-12.91	-11.55
4.700	-0.3	-3.8	-20.57	-18.00	-15.82	-13.85
4.800	-0.5	-5.7	-25.40	-20.95	-19.54	-16.12
4.900	-0.6	-7.7	-30.12	-23.76	-23.17	-18.28
5.000	-0.8	-9.6	-34.53	-26.33	-26.56	-20.26
5.000	0.8	9.6	34.53	26.35	26.56	20.27
5.100	0.6	7.7	30.12	23.78	23.17	18.29
5.200	0.5	5.8	25.40	20.97	19.54	16.13
5.300	0.3	3.8	20.57	18.02	15.82	13.86
5.400	0.1	1.9	16.78	15.03	12.91	11.56
5.500	0.0	0.0	13.13	12.10	10.10	-9.31
5.600	-0.2	-2.0	-16.78	-15.04	-12.91	-11.57
5.700	-0.3	-3.9	-20.57	-18.02	-15.82	-13.87
5.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
5.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
6.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27
6.000	0.8	9.6	34.53	26.35	26.56	20.27
6.100	0.6	7.7	30.12	23.78	23.17	18.29
6.200	0.5	5.8	25.40	20.97	19.54	16.13
6.300	0.3	3.9	20.57	18.02	15.82	13.87
6.400	0.2	2.0	16.78	15.04	12.91	11.57
6.500	0.0	0.0	13.13	12.10	10.10	9.31
6.600	-0.1	-1.9	-16.78	-15.03	-12.91	-11.56
6.700	-0.3	-3.8	-20.57	-18.02	-15.82	-13.86
6.800	-0.5	-5.8	-25.40	-20.97	-19.54	-16.13
6.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.29
7.000	-0.8	-9.6	-34.53	-26.35	-26.56	-20.27

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	34.53	26.33	26.56	20.26
7.100	0.6	7.7	30.12	23.76	23.17	18.28
7.200	0.5	5.7	25.40	20.95	19.54	16.12
7.300	0.3	3.8	20.57	18.00	15.82	13.85
7.400	0.1	1.9	16.78	15.02	12.91	11.55
7.500	0.0	0.0	13.13	-12.11	10.10	-9.31
7.600	-0.2	-2.0	-16.78	-15.04	-12.91	-11.57
7.700	-0.3	-3.9	-20.57	-18.03	-15.82	-13.87
7.800	-0.5	-5.8	-25.40	-20.98	-19.54	-16.14
7.900	-0.6	-7.7	-30.12	-23.78	-23.17	-18.30
8.000	-0.8	-9.6	-34.53	-26.36	-26.56	-20.27
8.000	0.8	9.7	34.53	26.37	26.56	20.28
8.100	0.6	7.8	30.11	23.80	23.16	18.31
8.200	0.5	5.9	25.40	20.99	19.53	16.14
8.300	0.3	4.0	20.56	18.04	15.82	13.88
8.400	0.2	2.1	16.78	15.05	12.91	11.58
8.500	0.0	0.2	-13.13	12.12	10.10	9.32
8.600	-0.1	-1.8	-16.78	-14.97	-12.91	-11.52
8.700	-0.3	-3.7	-20.57	-17.96	-15.82	-13.82
8.800	-0.4	-5.6	-25.40	-20.91	-19.54	-16.08
8.900	-0.6	-7.6	-30.12	-23.72	-23.17	-18.24
9.000	-0.8	-9.5	-34.53	-26.29	-26.56	-20.22
9.000	0.7	-9.5	34.48	26.11	26.52	20.08
9.100	0.6	7.2	30.06	23.53	23.12	18.10
9.200	0.4	5.3	25.33	20.71	19.49	15.93
9.300	0.2	3.4	20.51	17.75	15.77	13.66
9.400	0.1	1.5	16.75	14.76	12.88	11.35
9.500	-0.1	-0.5	-13.29	-12.21	-10.22	-9.39
9.600	-0.2	-2.4	-16.99	-15.15	-13.07	-11.65
9.700	-0.4	-4.3	-20.66	-18.14	-15.90	-13.95
9.800	-0.5	-6.3	-25.52	-21.08	-19.63	-16.22
9.900	-0.7	-8.2	-30.26	-23.88	-23.28	-18.37
10.000	-0.8	-10.1	-34.68	-26.43	-26.68	-20.33

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact		Live Load w/o impact	
			Truck	Lane	Truck	Lane
10.000	1.1	11.6	36.72	26.68	28.25	20.52
10.100	0.9	9.7	32.71	24.40	25.16	18.77
10.200	0.7	7.8	28.21	21.94	21.70	16.88
10.300	0.5	5.8	23.30	19.35	17.93	14.89
10.400	0.4	3.9	18.19	16.67	14.00	12.82
10.500	0.2	2.0	15.07	13.93	11.59	10.71
10.600	0.0	0.1	-12.86	-11.81	-9.90	-9.09
10.700	-0.2	-1.9	-17.12	-14.73	-13.17	-11.33
10.800	-0.4	-3.8	-21.77	-17.87	-16.75	-13.74
10.900	-0.5	-5.7	-26.77	-21.20	-20.59	-16.31
11.000	-0.7	-7.6	-32.02	-24.72	-24.63	-19.01

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	171.7	-140.4	123.8
1.100	171.7	-138.4	125.9
1.200	171.7	-136.3	128.0
1.300	171.7	-134.2	130.0
1.400	171.7	-132.1	132.1
1.500	171.7	-130.0	134.2
1.600	171.7	-127.8	136.4
1.700	171.7	-125.7	138.5
1.800	171.7	-123.6	140.6
1.900	171.7	-121.5	142.7
2.000	171.7	-119.5	144.8
2.000	151.4	-119.5	105.5
2.100	151.4	-125.3	107.6
2.200	151.4	-123.2	109.6
2.300	151.4	-121.2	111.7
2.400	151.4	-119.1	113.8
2.500	151.4	-117.0	115.8
2.600	151.4	-114.9	118.0
2.700	151.4	-112.8	120.0
2.800	151.4	-110.8	122.1
2.900	151.4	-108.7	124.2
3.000	151.4	-106.6	117.1
3.000	151.4	-106.6	106.2
3.100	151.4	-124.6	108.3
3.200	151.4	-122.5	110.3
3.300	151.4	-120.4	112.4
3.400	151.4	-118.4	114.5
3.500	151.4	-116.3	116.5
3.600	151.4	-114.2	118.7
3.700	151.4	-112.1	120.7
3.800	151.4	-110.0	122.8
3.900	151.4	-108.0	124.9
4.000	151.4	-105.9	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.4	-105.9	106.0
4.100	151.4	-124.8	108.1
4.200	151.4	-122.7	110.2
4.300	151.4	-120.6	112.2
4.400	151.4	-118.6	114.3
4.500	151.4	-116.5	116.4
4.600	151.4	-114.4	118.5
4.700	151.4	-112.3	120.6
4.800	151.4	-110.2	122.6
4.900	151.4	-108.2	124.7
5.000	151.4	-106.1	117.2
5.000	151.4	-106.1	106.1
5.100	151.4	-124.7	108.1
5.200	151.4	-122.6	110.2
5.300	151.4	-120.6	112.3
5.400	151.4	-118.5	114.3
5.500	151.4	-116.4	116.4
5.600	151.4	-114.3	118.5
5.700	151.4	-112.3	120.6
5.800	151.4	-110.2	122.7
5.900	151.4	-108.1	124.7
6.000	151.4	-106.1	117.2
6.000	151.4	-106.1	106.1
6.100	151.4	-124.7	108.1
6.200	151.4	-122.7	110.2
6.300	151.4	-120.6	112.3
6.400	151.4	-118.5	114.3
6.500	151.4	-116.5	116.4
6.600	151.4	-114.3	118.5
6.700	151.4	-112.3	120.6
6.800	151.4	-110.2	122.6
6.900	151.4	-108.1	124.7
7.000	151.4	-106.1	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.4	-106.1	106.1
7.100	151.4	-124.7	108.2
7.200	151.4	-122.6	110.2
7.300	151.4	-120.6	112.3
7.400	151.4	-118.5	114.4
7.500	151.4	-116.4	116.4
7.600	151.4	-114.3	118.6
7.700	151.4	-112.2	120.6
7.800	151.4	-110.2	122.7
7.900	151.4	-108.1	124.8
8.000	151.4	-106.0	117.2
8.000	151.4	-106.0	105.9
8.100	151.4	-124.9	108.0
8.200	151.4	-122.8	110.1
8.300	151.4	-120.7	112.1
8.400	151.4	-118.7	114.2
8.500	151.4	-116.6	116.2
8.600	151.4	-114.5	118.4
8.700	151.4	-112.4	120.4
8.800	151.4	-110.3	122.5
8.900	151.4	-108.3	124.6
9.000	151.4	-106.2	117.2
9.000	151.4	-106.2	106.6
9.100	151.4	-124.2	108.7
9.200	151.4	-122.1	110.8
9.300	151.4	-120.0	112.8
9.400	151.4	-118.0	114.9
9.500	151.4	-115.9	117.0
9.600	151.4	-113.8	119.1
9.700	151.4	-111.7	121.1
9.800	151.4	-109.6	123.2
9.900	151.4	-107.6	125.3
10.000	151.4	-105.5	117.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	171.7	-105.5	119.5
10.100	171.7	-142.7	121.5
10.200	171.7	-140.6	123.6
10.300	171.7	-138.5	125.7
10.400	171.7	-136.4	127.8
10.500	171.7	-134.3	129.9
10.600	171.7	-132.1	132.1
10.700	171.7	-130.0	134.2
10.800	171.7	-127.9	136.3
10.900	171.7	-125.9	138.4
11.000	171.7	-123.8	132.8

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	58.48	3.87	HS 77.33	139.2
1.100	43.68	4.70	HS 94.08	169.3
1.200	23.19	5.88	HS 117.59	211.7
1.300	15.37	7.60	HS 152.05	273.7
1.400	11.51	10.28	HS 205.62	370.1
1.500	8.62	13.85	HS 172.40	310.3
1.600	7.02	20.23	HS 140.44	252.8
1.700	5.39	29.88	HS 107.86	194.1
1.800	4.38	49.72	HS 87.61	157.7
1.900	3.71	106.32	HS 74.30	133.7
2.000	3.25	224.77	HS 65.04	117.1
2.000	3.25	3.02	HS 60.37	108.7
2.100	41.82	3.56	HS 71.10	128.0
2.200	29.37	4.30	HS 85.92	154.7
2.300	18.75	5.41	HS 108.13	194.6
2.400	13.19	6.70	HS 133.91	241.0
2.500	8.94	8.72	HS 174.30	313.7
2.600	6.86	12.54	HS 137.18	246.9
2.700	5.50	17.58	HS 110.02	198.0
2.800	4.37	26.88	HS 87.42	157.4
2.900	3.62	32.71	HS 72.31	130.2
3.000	3.09	30.86	HS 61.84	111.3
3.000	3.09	3.08	HS 61.52	110.7
3.100	38.41	3.60	HS 71.90	129.4
3.200	27.37	4.34	HS 86.88	156.4
3.300	17.84	5.46	HS 109.29	196.7
3.400	12.70	6.82	HS 136.45	245.6
3.500	8.86	8.88	HS 177.24	319.0
3.600	6.80	12.84	HS 136.08	245.0
3.700	5.45	18.10	HS 109.04	196.3
3.800	4.33	27.94	HS 86.67	156.0
3.900	3.59	39.65	HS 71.72	129.1
4.000	3.07	37.75	HS 61.35	110.4

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.07	3.07	HS 61.35	110.4
4.100	38.90	3.59	HS 71.78	129.2
4.200	27.63	4.34	HS 86.74	156.1
4.300	17.97	5.46	HS 109.11	196.4
4.400	12.77	6.81	HS 136.22	245.2
4.500	8.88	8.86	HS 177.29	319.1
4.600	6.82	12.73	HS 136.31	245.4
4.700	5.46	17.89	HS 109.22	196.6
4.800	4.34	27.47	HS 86.81	156.3
4.900	3.59	38.77	HS 71.84	129.3
5.000	3.07	36.94	HS 61.46	110.6
5.000	3.07	3.07	HS 61.44	110.6
5.100	38.67	3.59	HS 71.81	129.3
5.200	27.49	4.34	HS 86.78	156.2
5.300	17.90	5.46	HS 109.17	196.5
5.400	12.73	6.81	HS 136.26	245.3
5.500	8.87	8.87	HS 177.35	319.2
5.600	6.81	12.74	HS 136.23	245.2
5.700	5.46	17.92	HS 109.15	196.5
5.800	4.34	27.54	HS 86.76	156.2
5.900	3.59	38.76	HS 71.80	129.2
6.000	3.07	36.92	HS 61.43	110.6
6.000	3.07	3.07	HS 61.43	110.6
6.100	38.76	3.59	HS 71.80	129.2
6.200	27.54	4.34	HS 86.76	156.2
6.300	17.92	5.46	HS 109.15	196.5
6.400	12.74	6.81	HS 136.23	245.2
6.500	8.87	8.86	HS 177.31	319.2
6.600	6.81	12.73	HS 136.26	245.3
6.700	5.46	17.90	HS 109.17	196.5
6.800	4.34	27.49	HS 86.78	156.2
6.900	3.59	38.67	HS 71.81	129.3
7.000	3.07	36.84	HS 61.44	110.6

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.07	3.07	HS 61.44	110.6
7.100	38.78	3.59	HS 71.84	129.3
7.200	27.48	4.34	HS 86.81	156.3
7.300	17.89	5.46	HS 109.22	196.6
7.400	12.73	6.82	HS 136.31	245.4
7.500	8.87	8.87	HS 177.39	319.3
7.600	6.81	12.77	HS 136.22	245.2
7.700	5.46	17.97	HS 109.11	196.4
7.800	4.34	27.63	HS 86.74	156.1
7.900	3.59	38.91	HS 71.78	129.2
8.000	3.07	37.05	HS 61.41	110.5
8.000	3.07	3.07	HS 61.35	110.4
8.100	39.67	3.59	HS 71.72	129.1
8.200	27.94	4.33	HS 86.67	156.0
8.300	18.10	5.45	HS 109.04	196.3
8.400	12.84	6.80	HS 136.09	245.0
8.500	8.88	8.86	HS 177.14	318.9
8.600	6.82	12.70	HS 136.45	245.6
8.700	5.46	17.85	HS 109.29	196.7
8.800	4.34	27.38	HS 86.88	156.4
8.900	3.60	38.42	HS 71.90	129.4
9.000	3.08	36.64	HS 61.52	110.7
9.000	3.08	3.09	HS 61.52	110.7
9.100	34.11	3.62	HS 72.32	130.2
9.200	26.90	4.37	HS 87.43	157.4
9.300	17.59	5.50	HS 110.03	198.1
9.400	12.54	6.86	HS 137.19	246.9
9.500	8.72	8.94	HS 174.42	314.0
9.600	6.70	13.19	HS 133.94	241.1
9.700	5.41	18.76	HS 108.12	194.6
9.800	4.30	29.39	HS 85.92	154.7
9.900	3.56	40.07	HS 71.10	128.0
10.000	3.04	37.51	HS 60.85	109.5

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.04	3.25	HS 60.85	109.5
10.100	106.17	3.72	HS 74.33	133.8
10.200	49.64	4.38	HS 87.64	157.8
10.300	29.84	5.39	HS 107.91	194.2
10.400	20.20	7.03	HS 140.51	252.9
10.500	13.84	8.62	HS 172.46	310.4
10.600	10.27	11.52	HS 205.43	369.8
10.700	7.60	15.39	HS 151.95	273.5
10.800	5.88	23.21	HS 117.52	211.5
10.900	4.70	43.69	HS 94.04	169.3
11.000	3.87	55.97	HS 77.29	139.1

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 27.3	327.3	327.3	-327.3	-327.3	327.3	327.3	-327.3	-3
1.100 45.5	327.3	327.3	-327.3	-327.3	309.0	309.0	-345.5	-3
1.200 58.5	327.3	327.3	-327.3	-327.3	296.0	296.0	-358.5	-3
1.300 66.3	327.3	327.3	-327.3	-327.3	288.3	288.3	-366.3	-3
1.400 68.8	327.3	327.3	-327.3	-327.3	285.7	285.7	-368.8	-3
1.500 28.1	319.4	289.3	-319.4	-289.3	280.6	250.4	-358.2	-3
1.600 58.0	327.3	327.3	-327.3	-327.3	296.5	296.5	-358.0	-3
1.700 44.7	327.3	327.3	-327.3	-327.3	309.8	309.8	-344.7	-3
1.800 26.2	327.3	327.3	-327.3	-327.3	328.4	328.4	-326.2	-3
1.900 02.4	327.3	327.3	-327.3	-327.3	352.2	352.2	-302.4	-3
2.000 73.4	327.3	327.3	-327.3	-327.3	381.2	381.2	-273.4	-2
2.000 20.7	274.6	274.6	-274.6	-274.6	328.5	328.6	-220.7	-2
2.100 45.4	274.6	274.6	-274.6	-274.6	303.8	303.8	-245.4	-2
2.200 65.0	274.6	274.6	-274.6	-274.6	284.3	284.3	-265.0	-2
2.300 79.4	274.6	274.6	-274.6	-274.6	269.9	269.9	-279.4	-2
2.400 88.6	274.6	274.6	-274.6	-274.6	260.7	260.7	-288.6	-2
2.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.5	-2
2.600 91.4	274.6	274.6	-274.6	-274.6	257.9	257.9	-291.4	-2
2.700 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
2.800 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
2.900 56.6	274.6	274.6	-274.6	-274.6	292.6	292.6	-256.6	-2

3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.100	274.6	274.6	-274.6	-274.6	291.6	291.6	-257.6	-2
57.7								
3.200	274.6	274.6	-274.6	-274.6	273.8	273.8	-275.4	-2
75.4								
3.300	274.6	274.6	-274.6	-274.6	261.2	261.2	-288.1	-2
88.1								
3.400	274.6	274.6	-274.6	-274.6	253.8	253.8	-295.5	-2
95.5								
3.500	274.6	274.6	-274.6	-274.6	251.5	251.5	-297.8	-2
97.8								
3.600	274.6	274.6	-274.6	-274.6	254.5	254.5	-294.8	-2
94.8								
3.700	274.6	274.6	-274.6	-274.6	262.7	262.7	-286.6	-2
86.6								
3.800	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
73.2								
3.900	274.6	274.6	-274.6	-274.6	294.6	294.6	-254.7	-2
54.7								
4.000	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
31.0								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

HS20

Span g tt.	Moment Capacity		Capacity		Available Capacity for LL+I			
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
4.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
4.100 54.4	274.6	274.6	-274.6	-274.6	294.9	294.9	-254.4	-2
4.200 72.6	274.6	274.6	-274.6	-274.6	276.6	276.7	-272.6	-2
4.300 85.7	274.6	274.6	-274.6	-274.6	263.6	263.6	-285.7	-2
4.400 93.6	274.6	274.6	-274.6	-274.6	255.6	255.7	-293.6	-2
4.500 58.7	266.5	236.9	-266.5	-236.9	244.8	215.2	-288.3	-2
4.600 93.8	274.6	274.6	-274.6	-274.6	255.5	255.5	-293.8	-2
4.700 86.1	274.6	274.6	-274.6	-274.6	263.2	263.2	-286.1	-2
4.800 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
4.900 55.1	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.1	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.100 55.2	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.2	-2
5.200 73.3	274.6	274.6	-274.6	-274.6	276.0	276.0	-273.3	-2
5.300 86.3	274.6	274.6	-274.6	-274.6	263.0	263.0	-286.3	-2
5.400 94.1	274.6	274.6	-274.6	-274.6	255.2	255.2	-294.1	-2
5.500 59.0	266.5	236.9	-266.5	-236.9	244.5	214.9	-288.6	-2
5.600 94.0	274.6	274.6	-274.6	-274.6	255.3	255.3	-294.0	-2
5.700 86.1	274.6	274.6	-274.6	-274.6	263.1	263.1	-286.1	-2
5.800 73.1	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.1	-2
5.900 54.9	274.6	274.6	-274.6	-274.6	294.3	294.3	-254.9	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
7.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
7.100 55.1	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.1	-2
7.200 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
7.300 86.1	274.6	274.6	-274.6	-274.6	263.2	263.2	-286.1	-2
7.400 93.8	274.6	274.6	-274.6	-274.6	255.5	255.5	-293.8	-2
7.500 58.7	266.5	236.9	-266.5	-236.9	244.8	215.2	-288.3	-2
7.600 93.6	274.6	274.6	-274.6	-274.6	255.6	255.6	-293.6	-2
7.700 85.7	274.6	274.6	-274.6	-274.6	263.6	263.6	-285.7	-2
7.800 72.6	274.6	274.6	-274.6	-274.6	276.6	276.6	-272.6	-2
7.900 54.4	274.6	274.6	-274.6	-274.6	294.9	294.9	-254.4	-2
8.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
8.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
8.100 54.7	274.6	274.6	-274.6	-274.6	294.6	294.6	-254.7	-2
8.200 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
8.300 86.6	274.6	274.6	-274.6	-274.6	262.7	262.7	-286.6	-2
8.400 94.8	274.6	274.6	-274.6	-274.6	254.5	254.5	-294.8	-2
8.500 97.8	274.6	274.6	-274.6	-274.6	251.5	251.5	-297.8	-2
8.600 95.5	274.6	274.6	-274.6	-274.6	253.8	253.8	-295.5	-2
8.700 88.0	274.6	274.6	-274.6	-274.6	261.2	261.2	-288.0	-2
8.800 75.4	274.6	274.6	-274.6	-274.6	273.8	273.9	-275.4	-2
8.900 57.6	274.6	274.6	-274.6	-274.6	291.6	291.6	-257.6	-2

9.000 34.7	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
9.000 34.7	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
9.100 56.6	274.6	274.6	-274.6	-274.6	292.7	292.7	-256.6	-2
9.200 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
9.300 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
9.400 91.4	274.6	274.6	-274.6	-274.6	257.8	257.9	-291.4	-2
9.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.6	-2
9.600 88.7	274.6	274.6	-274.6	-274.6	260.6	260.6	-288.6	-2
9.700 79.4	274.6	274.6	-274.6	-274.6	269.8	269.8	-279.4	-2
9.800 65.1	274.6	274.6	-274.6	-274.6	284.2	284.2	-265.1	-2
9.900 45.5	274.6	274.6	-274.6	-274.6	303.7	303.7	-245.5	-2
10.000 20.8	274.6	274.6	-274.6	-274.6	328.4	328.4	-220.8	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	4.62	55.15	4.62	55.15	HS 92.41	166.3
1.200	2.72	28.61	2.72	28.61	HS 54.41	97.9
1.300	2.25	19.49	2.25	19.49	HS 44.94	80.9
1.400	2.22	14.72	2.22	14.72	HS 44.47	80.0
1.500	2.32	11.44	2.07	10.48	HS 41.34	74.4
1.600	2.58	9.52	2.58	9.52	HS 51.55	92.8
1.700	3.12	7.86	3.12	7.86	HS 62.34	112.2
1.800	5.15	6.51	5.15	6.51	HS 102.91	185.2
1.900	14.91	4.86	14.91	4.86	HS 97.29	175.1
2.000	22.68	2.62	22.68	2.62	HS 52.49	94.5
2.000	19.55	2.12	19.55	2.12	HS 42.38	76.3
2.100	14.13	3.60	14.13	3.60	HS 72.07	129.7
2.200	4.87	4.75	4.87	4.75	HS 95.01	171.0
2.300	3.15	6.03	3.15	6.03	HS 63.06	113.5
2.400	2.71	7.84	2.71	7.84	HS 54.13	97.4
2.500	2.64	10.42	2.33	9.34	HS 46.53	83.8
2.600	2.68	9.69	2.68	9.69	HS 53.68	96.6
2.700	3.07	7.52	3.07	7.52	HS 61.47	110.7
2.800	4.65	5.98	4.65	5.98	HS 93.07	167.5
2.900	11.49	4.35	11.49	4.35	HS 87.00	156.6
3.000	15.62	2.38	15.62	2.38	HS 47.64	85.7
3.000	15.62	2.38	15.62	2.38	HS 47.64	85.7
3.100	11.20	4.38	11.20	4.38	HS 87.53	157.6
3.200	4.61	6.06	4.61	6.06	HS 92.17	165.9
3.300	3.02	7.63	3.02	7.63	HS 60.42	108.7
3.400	2.62	9.85	2.62	9.85	HS 52.32	94.2
3.500	2.65	13.23	2.66	13.23	HS 53.11	95.6
3.600	2.62	9.73	2.62	9.73	HS 52.46	94.4
3.700	3.04	7.52	3.04	7.52	HS 60.73	109.3
3.800	4.64	5.95	4.64	5.95	HS 92.82	167.1
3.900	11.72	4.30	11.72	4.30	HS 86.09	155.0
4.000	19.24	2.34	19.24	2.34	HS 46.82	84.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	19.24	2.34	19.24	2.34	HS 46.82	84.3
4.100	11.61	4.32	11.61	4.32	HS 86.30	155.3
4.200	4.67	5.97	4.67	5.97	HS 93.39	168.1
4.300	3.06	7.54	3.06	7.54	HS 61.09	110.0
4.400	2.64	9.74	2.64	9.74	HS 52.83	95.1
4.500	2.59	12.64	2.28	11.34	HS 45.58	82.0
4.600	2.64	9.72	2.64	9.72	HS 52.77	95.0
4.700	3.05	7.52	3.05	7.52	HS 60.97	109.8
4.800	4.66	5.96	4.66	5.96	HS 93.11	167.6
4.900	11.62	4.31	11.62	4.31	HS 86.29	155.3
5.000	18.89	2.35	18.89	2.35	HS 46.97	84.5
5.000	18.89	2.35	18.89	2.35	HS 46.97	84.5
5.100	11.43	4.32	11.43	4.32	HS 86.33	155.4
5.200	4.65	5.97	4.65	5.97	HS 93.08	167.5
5.300	3.05	7.53	3.05	7.53	HS 60.93	109.7
5.400	2.64	9.73	2.64	9.73	HS 52.72	94.9
5.500	2.59	12.67	2.28	11.37	HS 45.51	81.9
5.600	2.64	9.72	2.64	9.72	HS 52.74	94.9
5.700	3.05	7.52	3.05	7.52	HS 60.96	109.7
5.800	4.66	5.96	4.66	5.96	HS 93.14	167.6
5.900	11.65	4.31	11.65	4.31	HS 86.23	155.2
6.000	18.98	2.35	18.98	2.35	HS 46.90	84.4
6.000	18.98	2.35	18.98	2.35	HS 46.90	84.4
6.100	11.46	4.31	11.46	4.31	HS 86.23	155.2
6.200	4.66	5.96	4.66	5.96	HS 93.13	167.6
6.300	3.05	7.52	3.05	7.52	HS 60.96	109.7
6.400	2.64	9.72	2.64	9.72	HS 52.74	94.9
6.500	2.59	12.67	2.28	11.37	HS 45.51	81.9
6.600	2.64	9.73	2.64	9.73	HS 52.72	94.9
6.700	3.05	7.53	3.05	7.53	HS 60.93	109.7
6.800	4.65	5.97	4.65	5.97	HS 93.08	167.5
6.900	11.62	4.32	11.62	4.32	HS 86.33	155.4
7.000	18.89	2.35	18.89	2.35	HS 46.97	84.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	18.89	2.35	18.89	2.35	HS 46.97	84.5
7.100	11.43	4.31	11.43	4.31	HS 86.29	155.3
7.200	4.66	5.96	4.66	5.96	HS 93.11	167.6
7.300	3.05	7.52	3.05	7.52	HS 60.97	109.8
7.400	2.64	9.72	2.64	9.72	HS 52.77	95.0
7.500	2.59	12.64	2.28	11.34	HS 45.58	82.0
7.600	2.64	9.74	2.64	9.74	HS 52.83	95.1
7.700	3.05	7.54	3.06	7.54	HS 61.09	110.0
7.800	4.67	5.97	4.67	5.97	HS 93.39	168.1
7.900	11.81	4.32	11.81	4.32	HS 86.30	155.3
8.000	19.24	2.34	19.24	2.34	HS 46.82	84.3
8.000	19.24	2.34	19.24	2.34	HS 46.82	84.3
8.100	11.53	4.30	11.53	4.30	HS 86.09	155.0
8.200	4.64	5.95	4.64	5.95	HS 92.82	167.1
8.300	3.04	7.52	3.04	7.52	HS 60.73	109.3
8.400	2.62	9.73	2.62	9.73	HS 52.46	94.4
8.500	2.66	13.23	2.66	13.23	HS 53.11	95.6
8.600	2.62	9.85	2.62	9.85	HS 52.33	94.2
8.700	3.02	7.64	3.02	7.64	HS 60.42	108.8
8.800	4.61	6.06	4.61	6.06	HS 92.18	165.9
8.900	11.40	4.38	11.40	4.38	HS 87.56	157.6
9.000	15.68	2.38	15.68	2.38	HS 47.64	85.7
9.000	15.68	2.38	15.68	2.38	HS 47.64	85.7
9.100	11.30	4.35	11.30	4.35	HS 86.99	156.6
9.200	4.65	5.98	4.65	5.98	HS 93.07	167.5
9.300	3.07	7.52	3.07	7.52	HS 61.47	110.7
9.400	2.68	9.69	2.68	9.69	HS 53.67	96.6
9.500	2.64	10.46	2.33	9.37	HS 46.53	83.8
9.600	2.71	7.87	2.71	7.87	HS 54.14	97.5
9.700	3.15	6.06	3.15	6.06	HS 63.09	113.6
9.800	4.87	4.77	4.87	4.77	HS 95.38	171.7
9.900	14.42	3.62	14.42	3.62	HS 72.32	130.2
10.000	19.51	2.14	19.51	2.14	HS 42.73	76.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: HS20

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	19.51	2.14	19.51	2.14	HS 42.73	76.9
10.100	14.62	4.86	14.62	4.86	HS 97.27	175.1
10.200	5.13	6.50	5.13	6.50	HS 102.54	184.6
10.300	3.11	7.85	3.11	7.85	HS 62.21	112.0
10.400	2.57	9.51	2.57	9.51	HS 51.46	92.6
10.500	2.38	11.67	2.38	11.67	HS 47.53	85.6
10.600	2.22	14.70	2.22	14.70	HS 44.42	79.9
10.700	2.24	19.46	2.24	19.46	HS 44.90	80.8
10.800	2.72	28.57	2.72	28.57	HS 54.38	97.9
10.900	4.62	55.07	4.62	55.07	HS 92.37	166.3
11.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.6	40.10 R	0.00	30.85	0.00
1.200	2.7	28.5	67.28 R	0.00	51.76	0.00
1.300	3.4	35.6	82.36 R	0.00	63.36	0.00
1.400	3.6	37.9	86.49 R	0.00	66.53	0.00
1.500	3.4	35.4	82.75 L	0.00	63.66	0.00
1.600	2.8	28.0	77.72 L	0.00	59.79	0.00
1.700	1.7	15.8	63.22 L	0.00	48.63	0.00
1.800	0.1	-1.2	41.03 L	0.00	31.56	0.00
1.900	-1.9	-23.0	-36.76 R	0.00	-28.28	0.00
2.000	-4.4	-49.5	-45.02 L	0.00	-34.63	0.00
2.000	-4.4	-49.5	-45.02 L	0.00	-34.63	0.00
2.100	-2.5	-26.7	-39.30 L	0.00	-30.23	0.00
2.200	-1.0	-8.6	37.72 R	0.00	29.02	0.00
2.300	0.1	4.7	55.88 R	0.00	42.99	0.00
2.400	0.8	13.2	65.81 R	0.00	50.63	0.00
2.500	1.1	16.9	67.00 R	0.00	51.54	0.00
2.600	1.1	15.7	66.00 L	0.00	50.77	0.00
2.700	0.7	9.7	56.28 L	0.00	43.29	0.00
2.800	-0.1	-1.1	38.27 L	0.00	29.44	0.00
2.900	-1.3	-16.7	-34.88 R	0.00	-26.83	0.00
3.000	-2.9	-37.1	-39.97 R	0.00	-30.75	0.00
3.000	-2.9	-37.1	-39.97 R	0.00	-30.75	0.00
3.100	-1.2	-15.8	-34.85 L	0.00	-26.81	0.00
3.200	0.1	0.7	38.38 R	0.00	29.52	0.00
3.300	1.0	12.4	56.49 R	0.00	43.45	0.00
3.400	1.6	19.3	66.34 R	0.00	51.03	0.00
3.500	1.7	21.4	67.43 R	0.00	51.87	0.00
3.600	1.5	18.6	66.35 L	0.00	51.04	0.00
3.700	0.9	11.1	56.52 L	0.00	43.48	0.00
3.800	-0.1	-1.3	38.42 L	0.00	29.55	0.00
3.900	-1.5	-18.5	-35.01 R	0.00	-26.93	0.00
4.000	-3.3	-40.4	-40.10 R	0.00	-30.84	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.4	-40.10 R 0.00	-30.84 0.00
4.100	-1.6	-18.7	-34.83 L 0.00	-26.80 0.00
4.200	-0.2	-1.8	38.26 R 0.00	29.43 0.00
4.300	0.8	10.3	56.36 R 0.00	43.35 0.00
4.400	1.3	17.6	66.18 R 0.00	50.91 0.00
4.500	1.5	20.2	67.24 R 0.00	51.72 0.00
4.600	1.4	17.8	66.19 L 0.00	50.91 0.00
4.700	0.8	10.6	56.38 L 0.00	43.37 0.00
4.800	-0.1	-1.3	38.30 L 0.00	29.46 0.00
4.900	-1.5	-18.0	-34.97 R 0.00	-26.90 0.00
5.000	-3.2	-39.6	-40.05 R 0.00	-30.81 0.00
5.000	-3.2	-39.6	-40.05 R 0.00	-30.81 0.00
5.100	-1.5	-18.0	-34.96 L 0.00	-26.89 0.00
5.200	-0.1	-1.2	38.29 R 0.00	29.46 0.00
5.300	0.8	10.8	56.38 R 0.00	43.37 0.00
5.400	1.4	18.0	66.20 R 0.00	50.92 0.00
5.500	1.6	20.5	67.25 R 0.00	51.73 0.00
5.600	1.4	18.0	66.20 L 0.00	50.92 0.00
5.700	0.8	10.7	56.39 L 0.00	43.37 0.00
5.800	-0.1	-1.4	38.30 L 0.00	29.46 0.00
5.900	-1.5	-18.2	-34.97 R 0.00	-26.90 0.00
6.000	-3.2	-39.8	-40.05 L 0.00	-30.81 0.00
6.000	-3.2	-39.8	-40.05 L 0.00	-30.81 0.00
6.100	-1.5	-18.2	-34.97 L 0.00	-26.90 0.00
6.200	-0.1	-1.4	38.30 R 0.00	29.46 0.00
6.300	0.8	10.7	56.39 R 0.00	43.37 0.00
6.400	1.4	18.0	66.20 R 0.00	50.92 0.00
6.500	1.6	20.5	67.25 L 0.00	51.73 0.00
6.600	1.4	18.0	66.20 L 0.00	50.92 0.00
6.700	0.8	10.8	56.38 L 0.00	43.37 0.00
6.800	-0.1	-1.2	38.29 L 0.00	29.46 0.00
6.900	-1.5	-18.0	-34.96 R 0.00	-26.89 0.00
7.000	-3.2	-39.6	-40.05 L 0.00	-30.81 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.6	-40.05 L	0.00
7.100	-1.5	-18.0	-34.97 L	0.00
7.200	-0.1	-1.3	38.30 R	0.00
7.300	0.8	10.6	56.38 R	0.00
7.400	1.4	17.8	66.19 R	0.00
7.500	1.5	20.2	67.24 L	0.00
7.600	1.3	17.6	66.18 L	0.00
7.700	0.8	10.3	56.36 L	0.00
7.800	-0.2	-1.8	38.26 L	0.00
7.900	-1.6	-18.7	-34.83 R	0.00
8.000	-3.3	-40.4	-40.10 L	0.00
8.000	-3.3	-40.4	-40.10 L	0.00
8.100	-1.5	-18.5	-35.01 L	0.00
8.200	-0.1	-1.3	38.42 R	0.00
8.300	0.9	11.1	56.52 R	0.00
8.400	1.5	18.6	66.35 R	0.00
8.500	1.7	21.4	67.43 L	0.00
8.600	1.6	19.3	66.34 L	0.00
8.700	1.0	12.4	56.49 L	0.00
8.800	0.1	0.7	38.38 L	0.00
8.900	-1.2	-15.8	-34.84 R	0.00
9.000	-2.9	-37.1	-39.97 L	0.00
9.000	-2.9	-37.1	-39.97 L	0.00
9.100	-1.3	-16.7	-34.88 L	0.00
9.200	-0.1	-1.1	38.27 R	0.00
9.300	0.7	9.7	56.28 R	0.00
9.400	1.1	15.7	65.98 R	0.00
9.500	1.1	16.9	66.98 L	0.00
9.600	0.8	13.2	65.79 L	0.00
9.700	0.1	4.7	55.84 L	0.00
9.800	-1.0	-8.5	37.68 L	0.00
9.900	-2.5	-26.6	-39.15 R	0.00
10.000	-4.4	-49.4	-44.84 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.4	-49.4	-44.84	R 0.00	-34.49	0.00
10.100	-1.9	-22.9	-36.82	L 0.00	-28.32	0.00
10.200	0.1	-1.1	41.15	R 0.00	31.65	0.00
10.300	1.7	15.9	63.34	R 0.00	48.72	0.00
10.400	2.8	28.1	77.84	R 0.00	59.88	0.00
10.500	3.5	35.5	82.87	R 0.00	63.75	0.00
10.600	3.7	37.9	86.57	L 0.00	66.59	0.00
10.700	3.4	35.6	82.42	L 0.00	63.40	0.00
10.800	2.7	28.5	67.32	L 0.00	51.78	0.00
10.900	1.6	16.7	40.12	L 0.00	30.86	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 4	1.000	359.4C	314.7	-314.7	-359.4C	359.4	314.7	-314.7	-359.
6	1.100	359.4C	314.7	-314.7	-359.4C	341.2	296.5	-332.9	-377.
6	1.200	359.4C	314.7	-314.7	-359.4C	328.2	283.5	-345.9	-390.
4	1.300	359.4C	314.7	-314.7	-359.4C	320.4	275.7	-353.7	-398.
9	1.400	359.4C	314.7	-314.7	-359.4C	317.9	273.2	-356.2	-400.
1	1.500	373.3C	278.2	-307.1	-373.3C	334.5	239.3	-346.0	-412.
2	1.600	359.4C	314.7	-314.7	-359.4C	328.6	283.9	-345.4	-390.
8	1.700	359.4C	314.7	-314.7	-359.4C	342.0	297.3	-332.1	-376.
3	1.800	359.4C	314.7	-314.7	-359.4C	360.5	315.8	-313.6	-358.
5	1.900	359.4C	314.7	-314.7	-359.4C	384.3	339.6	-289.8	-334.
5	2.000	359.4C	314.7	-314.7	-359.4C	413.3	368.6	-260.8	-305.
3	2.000	301.2C	264.1	-264.1	-301.2C	355.1	318.0	-210.2	-247.
0	2.100	301.2C	264.1	-264.1	-301.2C	330.4	293.3	-234.9	-272.
6	2.200	301.2C	264.1	-264.1	-301.2C	310.8	273.7	-254.4	-291.
9	2.300	301.2C	264.1	-264.1	-301.2C	296.5	259.3	-268.8	-305.
2	2.400	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.0	-315.
8	2.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
0	2.600	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.8	-318.
5	2.700	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
9	2.800	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
2	2.900	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.1	-283.

3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
2	3.100	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.
0	3.200	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
6	3.300	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
1	3.400	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
4	3.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
3	3.600	301.2C	264.1	-264.1	-301.2C	281.1	243.9	-284.2	-321.
1	3.700	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8	3.800	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
2	3.900	301.2C	264.1	-264.1	-301.2C	321.2	284.1	-244.1	-281.
5	4.000	301.2C	264.1	-264.1	-301.2C	344.9	307.8	-220.4	-257.

2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
5	6.100	301.2C	264.1	-264.1	-301.2C	320.9	283.8	-244.4	-281.
7	6.200	301.2C	264.1	-264.1	-301.2C	302.7	265.6	-262.6	-299.
7	6.300	301.2C	264.1	-264.1	-301.2C	289.7	252.6	-275.6	-312.
6	6.400	301.2C	264.1	-264.1	-301.2C	281.8	244.7	-283.4	-320.
8	6.500	314.7C	227.8	-256.3	-314.7C	292.7	205.8	-278.3	-336.
6	6.600	301.2C	264.1	-264.1	-301.2C	281.8	244.6	-283.5	-320.
8	6.700	301.2C	264.1	-264.1	-301.2C	289.6	252.4	-275.7	-312.
9	6.800	301.2C	264.1	-264.1	-301.2C	302.5	265.4	-262.7	-299.
8	6.900	301.2C	264.1	-264.1	-301.2C	320.6	283.5	-244.6	-281.
5	7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

2F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.
7.100	301.2C	264.1	-264.1	-301.2C	320.7	283.6	-244.6	-281.
7.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
7.300	301.2C	264.1	-264.1	-301.2C	289.8	252.6	-275.5	-312.
7.400	301.2C	264.1	-264.1	-301.2C	282.0	244.9	-283.2	-320.
7.500	314.7C	227.8	-256.3	-314.7C	293.0	206.1	-278.0	-336.
7.600	301.2C	264.1	-264.1	-301.2C	282.2	245.1	-283.1	-320.
7.700	301.2C	264.1	-264.1	-301.2C	290.1	253.0	-275.1	-312.
7.800	301.2C	264.1	-264.1	-301.2C	303.2	266.1	-262.1	-299.
7.900	301.2C	264.1	-264.1	-301.2C	321.5	284.3	-243.8	-280.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.100	301.2C	264.1	-264.1	-301.2C	321.2	284.0	-244.1	-281.
8.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
8.300	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8.400	301.2C	264.1	-264.1	-301.2C	281.1	244.0	-284.2	-321.
8.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
8.600	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
8.700	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
8.800	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
8.900	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.

2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.100	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.0	-283.
9	9.200	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
5	9.300	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
0	9.400	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.9	-318.
8	9.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
2	9.600	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.1	-315.
0	9.700	301.2C	264.1	-264.1	-301.2C	296.4	259.3	-268.9	-306.
6	9.800	301.2C	264.1	-264.1	-301.2C	310.8	273.6	-254.5	-291.
1	9.900	301.2C	264.1	-264.1	-301.2C	330.3	293.2	-235.0	-272.
4	10.000	301.2C	264.1	-264.1	-301.2C	355.0	317.9	-210.3	-247.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Value		Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend	
1.000	999.00	999.00	999.00	999.00	0.00
1.100	8.51	81.50	7.39	92.45	0.00
1.200	4.88	42.34	4.21	47.81	0.00
1.300	3.89	28.86	3.35	32.51	0.00
1.400	3.67	21.80	3.16	24.54	0.00
1.500	4.04	16.94	2.89	20.18	0.00
1.600	4.23	14.09	3.65	15.92	0.00
1.700	5.41	11.61	4.70	13.18	0.00
1.800	8.79	9.60	7.70	10.96	0.00
1.900	28.94	7.88	25.57	9.10	0.00
2.000	37.73	5.79	33.65	6.79	0.00
2.000	32.42	4.67	29.03	5.49	0.00
2.100	25.68	5.98	22.79	6.92	0.00
2.200	8.24	7.57	7.26	8.68	0.00
2.300	5.30	9.64	4.64	10.98	0.00
2.400	4.36	12.55	3.80	14.22	0.00
2.500	4.43	16.68	3.13	20.23	0.00
2.600	4.31	14.33	3.75	16.22	0.00
2.700	5.17	11.11	4.51	12.62	0.00
2.800	7.90	8.82	6.93	10.07	0.00
2.900	23.77	7.05	21.01	8.12	0.00
3.000	28.14	5.61	25.08	6.54	0.00
3.000	28.14	5.61	25.08	6.54	0.00
3.100	23.61	7.09	20.86	8.16	0.00
3.200	7.83	8.89	6.86	10.14	0.00
3.300	5.09	11.22	4.44	12.72	0.00
3.400	4.23	14.48	3.67	16.37	0.00
3.500	4.12	19.57	3.57	22.10	0.00
3.600	4.24	14.38	3.68	16.26	0.00
3.700	5.12	11.11	4.46	12.60	0.00
3.800	7.88	8.77	6.91	10.02	0.00
3.900	23.76	6.97	21.01	8.03	0.00
4.000	31.97	5.50	28.53	6.42	0.00

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
4.000	31.97	5.50	28.53	6.42	0.00	82.4
4.100	24.05	7.00	21.27	8.06	0.00	105.0
4.200	7.93	8.80	6.95	10.05	0.00	104.3
4.300	5.15	11.14	4.49	12.64	0.00	67.3
4.400	4.26	14.41	3.70	16.30	0.00	55.6
4.500	4.36	19.00	3.07	23.00	0.00	46.0
4.600	4.26	14.37	3.70	16.25	0.00	55.5
4.700	5.14	11.11	4.48	12.61	0.00	67.2
4.800	7.90	8.79	6.93	10.03	0.00	104.0
4.900	23.93	6.99	21.16	8.06	0.00	104.9
5.000	31.92	5.53	28.47	6.45	0.00	82.9
5.000	31.92	5.53	28.47	6.45	0.00	82.9
5.100	23.94	7.00	21.16	8.06	0.00	105.0
5.200	7.90	8.79	6.93	10.04	0.00	104.0
5.300	5.14	11.12	4.48	12.62	0.00	67.2
5.400	4.26	14.38	3.70	16.26	0.00	55.4
5.500	4.35	19.01	3.06	23.01	0.00	45.9
5.600	4.26	14.37	3.70	16.26	0.00	55.4
5.700	5.14	11.11	4.48	12.61	0.00	67.2
5.800	7.90	8.79	6.93	10.03	0.00	104.0
5.900	23.95	6.99	21.18	8.05	0.00	104.8
6.000	31.96	5.52	28.51	6.45	0.00	82.8
6.000	31.96	5.52	28.51	6.45	0.00	82.8
6.100	23.95	6.99	21.18	8.05	0.00	104.8
6.200	7.90	8.79	6.93	10.03	0.00	104.0
6.300	5.14	11.11	4.48	12.61	0.00	67.2
6.400	4.26	14.37	3.70	16.26	0.00	55.4
6.500	4.35	19.01	3.06	23.01	0.00	45.9
6.600	4.26	14.38	3.70	16.26	0.00	55.4
6.700	5.14	11.12	4.48	12.62	0.00	67.2
6.800	7.90	8.79	6.93	10.04	0.00	104.0
6.900	23.94	7.00	21.17	8.06	0.00	105.0
7.000	31.92	5.53	28.47	6.45	0.00	82.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
7.000	31.92	5.53	28.47	6.45	0.00	82.9
7.100	23.93	6.99	21.16	8.06	0.00	104.9
7.200	7.90	8.79	6.93	10.03	0.00	104.0
7.300	5.14	11.11	4.48	12.61	0.00	67.2
7.400	4.26	14.37	3.70	16.25	0.00	55.5
7.500	4.36	19.00	3.07	23.00	0.00	46.0
7.600	4.26	14.41	3.70	16.30	0.00	55.6
7.700	5.15	11.14	4.49	12.64	0.00	67.3
7.800	7.92	8.80	6.95	10.05	0.00	104.3
7.900	24.05	7.00	21.27	8.06	0.00	105.0
8.000	31.97	5.50	28.52	6.42	0.00	82.4
8.000	31.97	5.50	28.52	6.42	0.00	82.4
8.100	23.76	6.97	21.01	8.03	0.00	104.6
8.200	7.88	8.77	6.91	10.02	0.00	103.7
8.300	5.12	11.11	4.46	12.60	0.00	66.9
8.400	4.24	14.38	3.68	16.26	0.00	55.2
8.500	4.12	19.57	3.57	22.10	0.00	53.6
8.600	4.23	14.49	3.67	16.38	0.00	55.0
8.700	5.09	11.22	4.44	12.73	0.00	66.6
8.800	7.83	8.89	6.86	10.14	0.00	102.9
8.900	23.62	7.09	20.86	8.16	0.00	106.4
9.000	28.25	5.61	25.18	6.53	0.00	84.1
9.000	28.25	5.61	25.18	6.53	0.00	84.1
9.100	23.76	7.05	21.00	8.12	0.00	105.8
9.200	7.90	8.82	6.93	10.07	0.00	104.0
9.300	5.17	11.11	4.51	12.62	0.00	67.6
9.400	4.31	14.33	3.75	16.23	0.00	56.2
9.500	4.43	16.75	3.13	20.32	0.00	47.0
9.600	4.36	12.60	3.80	14.28	0.00	57.0
9.700	5.31	9.68	4.64	11.02	0.00	69.6
9.800	8.25	7.61	7.26	8.72	0.00	108.9
9.900	25.75	6.00	22.85	6.95	0.00	90.0
10.000	32.36	4.69	28.98	5.52	0.00	70.3

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 2F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
10.000	37.67	4.69	28.98	6.82	0.00	70.3
10.100	28.67	7.87	25.33	9.09	0.00	118.1
10.200	8.76	9.59	7.67	10.95	0.00	115.1
10.300	5.40	11.60	4.69	13.16	0.00	70.4
10.400	4.22	14.08	3.65	15.90	0.00	54.7
10.500	3.87	17.29	3.33	19.47	0.00	49.9
10.600	3.67	21.77	3.15	24.51	0.00	47.3
10.700	3.89	28.82	3.34	32.47	0.00	50.2
10.800	4.88	42.28	4.21	47.75	0.00	63.2
10.900	8.50	81.39	7.39	92.32	0.00	110.8
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	18.70	0.00	14.39	0.00
1.100	0.5	5.7	16.04	0.00	12.34	0.00
1.200	0.4	3.8	13.46	0.00	10.35	0.00
1.300	0.2	1.9	10.98	0.00	8.45	0.00
1.400	0.0	-0.1	8.65	0.00	6.65	0.00
1.500	-0.2	-2.0	-9.72	0.00	-7.48	0.00
1.600	-0.4	-3.9	-12.15	0.00	-9.35	0.00
1.700	-0.5	-5.8	-14.43	0.00	-11.10	0.00
1.800	-0.7	-7.8	-16.52	0.00	-12.71	0.00
1.900	-0.9	-9.7	-18.40	0.00	-14.15	0.00
2.000	-1.1	-11.6	-20.02	0.00	-15.40	0.00
2.000	0.8	-11.6	19.64	0.00	15.11	0.00
2.100	0.7	8.2	17.51	0.00	13.47	0.00
2.200	0.5	6.3	15.29	0.00	11.76	0.00
2.300	0.4	4.4	12.90	0.00	9.92	0.00
2.400	0.2	2.4	10.44	0.00	8.03	0.00
2.500	0.1	0.5	8.01	0.00	6.16	0.00
2.600	-0.1	-1.5	-10.36	0.00	-7.97	0.00
2.700	-0.2	-3.4	-12.83	0.00	-9.87	0.00
2.800	-0.4	-5.3	-15.22	0.00	-11.71	0.00
2.900	-0.6	-7.2	-17.46	0.00	-13.43	0.00
3.000	-0.7	-9.1	-19.44	0.00	-14.95	0.00
3.000	0.8	9.5	19.45	0.00	14.96	0.00
3.100	0.6	7.6	17.48	0.00	13.45	0.00
3.200	0.4	5.6	15.25	0.00	11.73	0.00
3.300	0.3	3.7	12.86	0.00	9.89	0.00
3.400	0.1	1.8	10.40	0.00	8.00	0.00
3.500	0.0	-0.1	7.98	0.00	6.14	0.00
3.600	-0.2	-2.1	-10.40	0.00	-8.00	0.00
3.700	-0.3	-4.0	-12.86	0.00	-9.89	0.00
3.800	-0.5	-5.9	-15.25	0.00	-11.73	0.00
3.900	-0.6	-7.8	-17.48	0.00	-13.44	0.00
4.000	-0.8	-9.7	-19.45	0.00	-14.96	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	19.45	0.00	14.96	0.00
4.100	0.6	7.7	17.48	0.00	13.45	0.00
4.200	0.5	5.8	15.25	0.00	11.73	0.00
4.300	0.3	3.9	12.86	0.00	9.89	0.00
4.400	0.2	2.0	10.40	0.00	8.00	0.00
4.500	0.0	0.1	7.98	0.00	6.14	0.00
4.600	-0.1	-1.9	-10.40	0.00	-8.00	0.00
4.700	-0.3	-3.8	-12.86	0.00	-9.89	0.00
4.800	-0.5	-5.7	-15.25	0.00	-11.73	0.00
4.900	-0.6	-7.7	-17.48	0.00	-13.44	0.00
5.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00
5.000	0.8	9.6	19.45	0.00	14.96	0.00
5.100	0.6	7.7	17.48	0.00	13.45	0.00
5.200	0.5	5.8	15.25	0.00	11.73	0.00
5.300	0.3	3.8	12.86	0.00	9.89	0.00
5.400	0.1	1.9	10.40	0.00	8.00	0.00
5.500	0.0	0.0	7.98	0.00	6.14	0.00
5.600	-0.2	-2.0	-10.40	0.00	-8.00	0.00
5.700	-0.3	-3.9	-12.86	0.00	-9.89	0.00
5.800	-0.5	-5.8	-15.25	0.00	-11.73	0.00
5.900	-0.6	-7.7	-17.48	0.00	-13.45	0.00
6.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00
6.000	0.8	9.6	19.45	0.00	14.96	0.00
6.100	0.6	7.7	17.48	0.00	13.45	0.00
6.200	0.5	5.8	15.25	0.00	11.73	0.00
6.300	0.3	3.9	12.86	0.00	9.89	0.00
6.400	0.2	2.0	10.40	0.00	8.00	0.00
6.500	0.0	0.0	7.98	0.00	6.14	0.00
6.600	-0.1	-1.9	-10.40	0.00	-8.00	0.00
6.700	-0.3	-3.8	-12.86	0.00	-9.89	0.00
6.800	-0.5	-5.8	-15.25	0.00	-11.73	0.00
6.900	-0.6	-7.7	-17.48	0.00	-13.45	0.00
7.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	19.45	0.00	14.96	0.00
7.100	0.6	7.7	17.48	0.00	13.44	0.00
7.200	0.5	5.7	15.25	0.00	11.73	0.00
7.300	0.3	3.8	12.86	0.00	9.89	0.00
7.400	0.1	1.9	10.40	0.00	8.00	0.00
7.500	0.0	0.0	-7.98	0.00	-6.14	0.00
7.600	-0.2	-2.0	-10.40	0.00	-8.00	0.00
7.700	-0.3	-3.9	-12.86	0.00	-9.89	0.00
7.800	-0.5	-5.8	-15.25	0.00	-11.73	0.00
7.900	-0.6	-7.7	-17.48	0.00	-13.45	0.00
8.000	-0.8	-9.6	-19.45	0.00	-14.96	0.00
8.000	0.8	9.7	19.45	0.00	14.96	0.00
8.100	0.6	7.8	17.48	0.00	13.44	0.00
8.200	0.5	5.9	15.25	0.00	11.73	0.00
8.300	0.3	4.0	12.86	0.00	9.89	0.00
8.400	0.2	2.1	10.40	0.00	8.00	0.00
8.500	0.0	0.2	-7.98	0.00	-6.14	0.00
8.600	-0.1	-1.8	-10.40	0.00	-8.00	0.00
8.700	-0.3	-3.7	-12.86	0.00	-9.89	0.00
8.800	-0.4	-5.6	-15.25	0.00	-11.73	0.00
8.900	-0.6	-7.6	-17.48	0.00	-13.45	0.00
9.000	-0.8	-9.5	-19.45	0.00	-14.96	0.00
9.000	0.7	-9.5	19.43	0.00	14.95	0.00
9.100	0.6	7.2	17.46	0.00	13.43	0.00
9.200	0.4	5.3	15.22	0.00	11.71	0.00
9.300	0.2	3.4	12.82	0.00	9.86	0.00
9.400	0.1	1.5	10.36	0.00	7.97	0.00
9.500	-0.1	-0.5	-8.01	0.00	-6.16	0.00
9.600	-0.2	-2.4	-10.44	0.00	-8.03	0.00
9.700	-0.4	-4.3	-12.90	0.00	-9.92	0.00
9.800	-0.5	-6.3	-15.29	0.00	-11.76	0.00
9.900	-0.7	-8.2	-17.51	0.00	-13.47	0.00
10.000	-0.8	-10.1	-19.46	0.00	-14.97	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	20.01	0.00	15.40	0.00
10.100	0.9	9.7	18.39	0.00	14.15	0.00
10.200	0.7	7.8	16.52	0.00	12.70	0.00
10.300	0.5	5.8	14.42	0.00	11.10	0.00
10.400	0.4	3.9	12.15	0.00	9.34	0.00
10.500	0.2	2.0	9.72	0.00	7.47	0.00
10.600	0.0	0.1	-8.66	0.00	-6.66	0.00
10.700	-0.2	-1.9	-10.99	0.00	-8.45	0.00
10.800	-0.4	-3.8	-13.46	0.00	-10.36	0.00
10.900	-0.5	-5.7	-16.05	0.00	-12.34	0.00
11.000	-0.7	-7.6	-18.71	0.00	-14.39	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	171.7	-140.4	123.8
1.100	171.7	-138.4	125.9
1.200	171.7	-136.3	128.0
1.300	171.7	-134.2	130.0
1.400	171.7	-132.1	132.1
1.500	171.7	-130.0	134.2
1.600	171.7	-127.8	136.4
1.700	171.7	-125.7	138.5
1.800	171.7	-123.6	140.6
1.900	171.7	-121.5	142.7
2.000	171.7	-119.5	144.8
2.000	151.4	-119.5	105.5
2.100	151.4	-125.3	107.6
2.200	151.4	-123.2	109.6
2.300	151.4	-121.2	111.7
2.400	151.4	-119.1	113.8
2.500	151.4	-117.0	115.8
2.600	151.4	-114.9	118.0
2.700	151.4	-112.8	120.0
2.800	151.4	-110.8	122.1
2.900	151.4	-108.7	124.2
3.000	151.4	-106.6	117.1
3.000	151.4	-106.6	106.2
3.100	151.4	-124.6	108.3
3.200	151.4	-122.5	110.3
3.300	151.4	-120.4	112.4
3.400	151.4	-118.4	114.5
3.500	151.4	-116.3	116.5
3.600	151.4	-114.2	118.7
3.700	151.4	-112.1	120.7
3.800	151.4	-110.0	122.8
3.900	151.4	-108.0	124.9
4.000	151.4	-105.9	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.4	-105.9	106.0
4.100	151.4	-124.8	108.1
4.200	151.4	-122.7	110.2
4.300	151.4	-120.6	112.2
4.400	151.4	-118.6	114.3
4.500	151.4	-116.5	116.4
4.600	151.4	-114.4	118.5
4.700	151.4	-112.3	120.6
4.800	151.4	-110.2	122.6
4.900	151.4	-108.2	124.7
5.000	151.4	-106.1	117.2
5.000	151.4	-106.1	106.1
5.100	151.4	-124.7	108.1
5.200	151.4	-122.6	110.2
5.300	151.4	-120.6	112.3
5.400	151.4	-118.5	114.3
5.500	151.4	-116.4	116.4
5.600	151.4	-114.3	118.5
5.700	151.4	-112.3	120.6
5.800	151.4	-110.2	122.7
5.900	151.4	-108.1	124.7
6.000	151.4	-106.1	117.2
6.000	151.4	-106.1	106.1
6.100	151.4	-124.7	108.1
6.200	151.4	-122.7	110.2
6.300	151.4	-120.6	112.3
6.400	151.4	-118.5	114.3
6.500	151.4	-116.5	116.4
6.600	151.4	-114.3	118.5
6.700	151.4	-112.3	120.6
6.800	151.4	-110.2	122.6
6.900	151.4	-108.1	124.7
7.000	151.4	-106.1	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.4	-106.1	106.1
7.100	151.4	-124.7	108.2
7.200	151.4	-122.6	110.2
7.300	151.4	-120.6	112.3
7.400	151.4	-118.5	114.4
7.500	151.4	-116.4	116.4
7.600	151.4	-114.3	118.6
7.700	151.4	-112.2	120.6
7.800	151.4	-110.2	122.7
7.900	151.4	-108.1	124.8
8.000	151.4	-106.0	117.2
8.000	151.4	-106.0	105.9
8.100	151.4	-124.9	108.0
8.200	151.4	-122.8	110.1
8.300	151.4	-120.7	112.1
8.400	151.4	-118.7	114.2
8.500	151.4	-116.6	116.2
8.600	151.4	-114.5	118.4
8.700	151.4	-112.4	120.4
8.800	151.4	-110.3	122.5
8.900	151.4	-108.3	124.6
9.000	151.4	-106.2	117.2
9.000	151.4	-106.2	106.6
9.100	151.4	-124.2	108.7
9.200	151.4	-122.1	110.8
9.300	151.4	-120.0	112.8
9.400	151.4	-118.0	114.9
9.500	151.4	-115.9	117.0
9.600	151.4	-113.8	119.1
9.700	151.4	-111.7	121.1
9.800	151.4	-109.6	123.2
9.900	151.4	-107.6	125.3
10.000	151.4	-105.5	117.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	171.7	-105.5	119.5
10.100	171.7	-142.7	121.5
10.200	171.7	-140.6	123.6
10.300	171.7	-138.5	125.7
10.400	171.7	-136.4	127.8
10.500	171.7	-134.3	129.9
10.600	171.7	-132.1	132.1
10.700	171.7	-130.0	134.2
10.800	171.7	-127.9	136.3
10.900	171.7	-125.9	138.4
11.000	171.7	-123.8	132.8

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	85.95	6.62	0.00	99.3
1.100	74.89	7.85	0.00	117.7
1.200	37.10	9.51	0.00	142.6
1.300	24.59	11.84	0.00	177.6
1.400	18.42	15.28	0.00	229.2
1.500	13.37	20.68	0.00	200.5
1.600	10.52	30.03	0.00	157.8
1.700	8.71	48.77	0.00	130.7
1.800	7.48	100.11	0.00	112.2
1.900	6.61	325.57	0.00	99.1
2.000	5.97	330.35	0.00	89.5
2.000	5.97	5.37	0.00	80.6
2.100	61.50	6.14	0.00	92.2
2.200	60.49	7.17	0.00	107.6
2.300	33.88	8.66	0.00	129.9
2.400	21.07	10.90	0.00	163.5
2.500	14.74	14.47	0.00	217.0
2.600	11.09	20.67	0.00	166.3
2.700	8.80	33.12	0.00	132.0
2.800	7.28	53.42	0.00	109.1
2.900	6.23	54.33	0.00	93.4
3.000	5.49	51.25	0.00	82.3
3.000	5.49	5.46	0.00	81.9
3.100	61.25	6.19	0.00	92.9
3.200	60.24	7.24	0.00	108.5
3.300	33.40	8.74	0.00	131.1
3.400	20.84	11.00	0.00	165.1
3.500	14.59	14.61	0.00	218.8
3.600	10.98	20.88	0.00	164.7
3.700	8.72	33.45	0.00	130.8
3.800	7.22	60.69	0.00	108.3
3.900	6.18	61.71	0.00	92.7
4.000	5.45	57.92	0.00	81.7

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	5.45	5.45	0.00	81.7
4.100	61.35	6.18	0.00	92.8
4.200	60.33	7.22	0.00	108.3
4.300	33.44	8.73	0.00	130.9
4.400	20.87	10.99	0.00	164.8
4.500	14.61	14.58	0.00	218.8
4.600	11.00	20.84	0.00	165.0
4.700	8.74	33.40	0.00	131.0
4.800	7.23	60.54	0.00	108.4
4.900	6.19	61.56	0.00	92.8
5.000	5.46	57.86	0.00	81.8
5.000	5.46	5.45	0.00	81.8
5.100	61.34	6.19	0.00	92.8
5.200	60.33	7.23	0.00	108.4
5.300	33.42	8.73	0.00	131.0
5.400	20.85	10.99	0.00	164.9
5.500	14.60	14.59	0.00	218.9
5.600	10.99	20.86	0.00	164.9
5.700	8.73	33.42	0.00	131.0
5.800	7.23	60.36	0.00	108.4
5.900	6.19	61.37	0.00	92.8
6.000	5.45	57.66	0.00	81.8
6.000	5.45	5.45	0.00	81.8
6.100	61.37	6.19	0.00	92.8
6.200	60.36	7.23	0.00	108.4
6.300	33.42	8.73	0.00	131.0
6.400	20.86	10.99	0.00	164.9
6.500	14.60	14.59	0.00	218.9
6.600	10.99	20.85	0.00	164.9
6.700	8.73	33.42	0.00	131.0
6.800	7.23	60.33	0.00	108.4
6.900	6.19	61.34	0.00	92.8
7.000	5.45	57.65	0.00	81.8

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	5.45	5.46	0.00	81.8
7.100	61.57	6.19	0.00	92.8
7.200	60.55	7.23	0.00	108.4
7.300	33.40	8.74	0.00	131.0
7.400	20.84	11.00	0.00	165.0
7.500	14.59	14.60	0.00	218.9
7.600	10.99	20.87	0.00	164.8
7.700	8.73	33.44	0.00	130.9
7.800	7.22	60.33	0.00	108.3
7.900	6.18	61.35	0.00	92.8
8.000	5.45	57.63	0.00	81.8
8.000	5.45	5.45	0.00	81.7
8.100	61.73	6.18	0.00	92.7
8.200	60.71	7.22	0.00	108.3
8.300	33.45	8.72	0.00	130.8
8.400	20.88	10.98	0.00	164.7
8.500	14.61	14.58	0.00	218.7
8.600	11.00	20.84	0.00	165.0
8.700	8.74	33.40	0.00	131.1
8.800	7.24	60.24	0.00	108.5
8.900	6.19	61.25	0.00	92.9
9.000	5.46	57.61	0.00	81.9
9.000	5.46	5.49	0.00	81.9
9.100	54.54	6.23	0.00	93.4
9.200	53.63	7.28	0.00	109.1
9.300	33.11	8.80	0.00	132.0
9.400	20.67	11.09	0.00	166.3
9.500	14.47	14.73	0.00	217.0
9.600	10.90	21.08	0.00	163.5
9.700	8.66	33.89	0.00	129.9
9.800	7.17	60.46	0.00	107.6
9.900	6.14	61.48	0.00	92.2
10.000	5.42	57.54	0.00	81.3

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 2F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	5.42	5.97	0.00	81.3
10.100	325.10	6.61	0.00	99.1
10.200	99.96	7.49	0.00	112.3
10.300	48.70	8.72	0.00	130.8
10.400	29.99	10.52	0.00	157.9
10.500	20.66	13.37	0.00	200.6
10.600	15.26	18.43	0.00	229.0
10.700	11.83	24.62	0.00	177.5
10.800	9.50	37.13	0.00	142.5
10.900	7.84	74.96	0.00	117.6
11.000	6.62	999.00	0.00	99.2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 27.3	327.3	327.3	-327.3	-327.3	327.3	327.3	-327.3	-3
1.100 45.5	327.3	327.3	-327.3	-327.3	309.0	309.0	-345.5	-3
1.200 58.5	327.3	327.3	-327.3	-327.3	296.0	296.0	-358.5	-3
1.300 66.3	327.3	327.3	-327.3	-327.3	288.3	288.3	-366.3	-3
1.400 68.8	327.3	327.3	-327.3	-327.3	285.7	285.7	-368.8	-3
1.500 28.1	319.4	289.3	-319.4	-289.3	280.6	250.4	-358.2	-3
1.600 58.0	327.3	327.3	-327.3	-327.3	296.5	296.5	-358.0	-3
1.700 44.7	327.3	327.3	-327.3	-327.3	309.8	309.8	-344.7	-3
1.800 26.2	327.3	327.3	-327.3	-327.3	328.4	328.4	-326.2	-3
1.900 02.4	327.3	327.3	-327.3	-327.3	352.2	352.2	-302.4	-3
2.000 73.4	327.3	327.3	-327.3	-327.3	381.2	381.2	-273.4	-2
2.000 20.7	274.6	274.6	-274.6	-274.6	328.5	328.6	-220.7	-2
2.100 45.4	274.6	274.6	-274.6	-274.6	303.8	303.8	-245.4	-2
2.200 65.0	274.6	274.6	-274.6	-274.6	284.3	284.3	-265.0	-2
2.300 79.4	274.6	274.6	-274.6	-274.6	269.9	269.9	-279.4	-2
2.400 88.6	274.6	274.6	-274.6	-274.6	260.7	260.7	-288.6	-2
2.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.5	-2
2.600 91.4	274.6	274.6	-274.6	-274.6	257.9	257.9	-291.4	-2
2.700 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
2.800 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
2.900 56.6	274.6	274.6	-274.6	-274.6	292.6	292.6	-256.6	-2

3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.100	274.6	274.6	-274.6	-274.6	291.6	291.6	-257.6	-2
57.7								
3.200	274.6	274.6	-274.6	-274.6	273.8	273.8	-275.4	-2
75.4								
3.300	274.6	274.6	-274.6	-274.6	261.2	261.2	-288.1	-2
88.1								
3.400	274.6	274.6	-274.6	-274.6	253.8	253.8	-295.5	-2
95.5								
3.500	274.6	274.6	-274.6	-274.6	251.5	251.5	-297.8	-2
97.8								
3.600	274.6	274.6	-274.6	-274.6	254.5	254.5	-294.8	-2
94.8								
3.700	274.6	274.6	-274.6	-274.6	262.7	262.7	-286.6	-2
86.6								
3.800	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
73.2								
3.900	274.6	274.6	-274.6	-274.6	294.6	294.6	-254.7	-2
54.7								
4.000	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
31.0								

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
 Rating Live Load: 2F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
4.100 54.4	274.6	274.6	-274.6	-274.6	294.9	294.9	-254.4	-2
4.200 72.6	274.6	274.6	-274.6	-274.6	276.6	276.7	-272.6	-2
4.300 85.7	274.6	274.6	-274.6	-274.6	263.6	263.6	-285.7	-2
4.400 93.6	274.6	274.6	-274.6	-274.6	255.6	255.7	-293.6	-2
4.500 58.7	266.5	236.9	-266.5	-236.9	244.8	215.2	-288.3	-2
4.600 93.8	274.6	274.6	-274.6	-274.6	255.5	255.5	-293.8	-2
4.700 86.1	274.6	274.6	-274.6	-274.6	263.2	263.2	-286.1	-2
4.800 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
4.900 55.1	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.1	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.100 55.2	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.2	-2
5.200 73.3	274.6	274.6	-274.6	-274.6	276.0	276.0	-273.3	-2
5.300 86.3	274.6	274.6	-274.6	-274.6	263.0	263.0	-286.3	-2
5.400 94.1	274.6	274.6	-274.6	-274.6	255.2	255.2	-294.1	-2
5.500 59.0	266.5	236.9	-266.5	-236.9	244.5	214.9	-288.6	-2
5.600 94.0	274.6	274.6	-274.6	-274.6	255.3	255.3	-294.0	-2
5.700 86.1	274.6	274.6	-274.6	-274.6	263.1	263.1	-286.1	-2
5.800 73.1	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.1	-2
5.900 54.9	274.6	274.6	-274.6	-274.6	294.3	294.3	-254.9	-2

6.000	274.6	274.6	-274.6	-274.6	317.7	317.7	-231.6	-2
31.6								
6.000	274.6	274.6	-274.6	-274.6	317.7	317.7	-231.6	-2
31.6								
6.100	274.6	274.6	-274.6	-274.6	294.3	294.3	-254.9	-2
54.9								
6.200	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.1	-2
73.1								
6.300	274.6	274.6	-274.6	-274.6	263.1	263.1	-286.1	-2
86.1								
6.400	274.6	274.6	-274.6	-274.6	255.3	255.3	-294.0	-2
94.0								
6.500	266.5	236.9	-266.5	-236.9	244.5	214.9	-288.6	-2
59.0								
6.600	274.6	274.6	-274.6	-274.6	255.2	255.2	-294.1	-2
94.1								
6.700	274.6	274.6	-274.6	-274.6	263.0	263.0	-286.3	-2
86.3								
6.800	274.6	274.6	-274.6	-274.6	276.0	276.0	-273.3	-2
73.3								
6.900	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.2	-2
55.2								
7.000	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
31.9								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

2F1

Span g tt.	Moment Capacity		Capacity		Available Capacity for LL+I			
	Positive Top	Bending Bott.	Negative Top	Bending Bott.	Positive Top	Bending Bott.	Negative Top	Bending Bott.
7.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
7.100 55.1	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.1	-2
7.200 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
7.300 86.1	274.6	274.6	-274.6	-274.6	263.2	263.2	-286.1	-2
7.400 93.8	274.6	274.6	-274.6	-274.6	255.5	255.5	-293.8	-2
7.500 58.7	266.5	236.9	-266.5	-236.9	244.8	215.2	-288.3	-2
7.600 93.6	274.6	274.6	-274.6	-274.6	255.6	255.6	-293.6	-2
7.700 85.7	274.6	274.6	-274.6	-274.6	263.6	263.6	-285.7	-2
7.800 72.6	274.6	274.6	-274.6	-274.6	276.6	276.6	-272.6	-2
7.900 54.4	274.6	274.6	-274.6	-274.6	294.9	294.9	-254.4	-2
8.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
8.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
8.100 54.7	274.6	274.6	-274.6	-274.6	294.6	294.6	-254.7	-2
8.200 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
8.300 86.6	274.6	274.6	-274.6	-274.6	262.7	262.7	-286.6	-2
8.400 94.8	274.6	274.6	-274.6	-274.6	254.5	254.5	-294.8	-2
8.500 97.8	274.6	274.6	-274.6	-274.6	251.5	251.5	-297.8	-2
8.600 95.5	274.6	274.6	-274.6	-274.6	253.8	253.8	-295.5	-2
8.700 88.0	274.6	274.6	-274.6	-274.6	261.2	261.2	-288.0	-2
8.800 75.4	274.6	274.6	-274.6	-274.6	273.8	273.9	-275.4	-2
8.900 57.6	274.6	274.6	-274.6	-274.6	291.6	291.6	-257.6	-2

9.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
9.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
9.100	274.6	274.6	-274.6	-274.6	292.7	292.7	-256.6	-2
56.6								
9.200	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
73.4								
9.300	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
85.0								
9.400	274.6	274.6	-274.6	-274.6	257.8	257.9	-291.4	-2
91.4								
9.500	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.6	-2
55.0								
9.600	274.6	274.6	-274.6	-274.6	260.6	260.6	-288.6	-2
88.7								
9.700	274.6	274.6	-274.6	-274.6	269.8	269.8	-279.4	-2
79.4								
9.800	274.6	274.6	-274.6	-274.6	284.2	284.2	-265.1	-2
65.1								
9.900	274.6	274.6	-274.6	-274.6	303.7	303.7	-245.5	-2
45.5								
10.000	274.6	274.6	-274.6	-274.6	328.4	328.4	-220.8	-2
20.8								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	7.71	84.58	7.71	84.58	0.00	115.6
1.200	4.40	43.88	4.40	43.88	0.00	66.0
1.300	3.50	29.89	3.50	29.89	0.00	52.5
1.400	3.30	22.57	3.30	22.57	0.00	49.6
1.500	3.39	17.54	3.03	16.07	0.00	45.4
1.600	3.82	14.61	3.82	14.61	0.00	57.2
1.700	4.90	12.06	4.90	12.06	0.00	73.5
1.800	8.00	9.98	8.00	9.98	0.00	120.1
1.900	26.52	8.23	26.52	8.23	0.00	123.4
2.000	34.80	6.07	34.80	6.07	0.00	91.1
2.000	29.99	4.90	29.99	4.90	0.00	73.5
2.100	23.61	6.24	23.61	6.24	0.00	93.7
2.200	7.54	7.89	7.54	7.89	0.00	113.0
2.300	4.83	10.02	4.83	10.02	0.00	72.4
2.400	3.96	13.02	3.96	13.02	0.00	59.4
2.500	3.71	17.30	3.27	15.50	0.00	49.0
2.600	3.91	14.87	3.91	14.87	0.00	58.6
2.700	4.70	11.54	4.70	11.54	0.00	70.4
2.800	7.21	9.18	7.21	9.18	0.00	108.1
2.900	21.79	7.36	21.79	7.36	0.00	110.4
3.000	25.95	5.87	25.95	5.87	0.00	88.1
3.000	25.95	5.87	25.95	5.87	0.00	88.1
3.100	21.64	7.39	21.64	7.39	0.00	110.9
3.200	7.14	9.25	7.14	9.25	0.00	107.0
3.300	4.62	11.65	4.62	11.65	0.00	69.4
3.400	3.83	15.02	3.83	15.02	0.00	57.4
3.500	3.73	20.29	3.73	20.29	0.00	55.9
3.600	3.84	14.92	3.84	14.92	0.00	57.5
3.700	4.65	11.53	4.65	11.53	0.00	69.7
3.800	7.19	9.13	7.19	9.13	0.00	107.8
3.900	21.79	7.27	21.79	7.27	0.00	109.1
4.000	29.50	5.76	29.51	5.76	0.00	86.4

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	29.50	5.76	29.51	5.76	0.00	86.4
4.100	22.06	7.30	22.06	7.30	0.00	109.5
4.200	7.23	9.16	7.23	9.16	0.00	108.5
4.300	4.68	11.56	4.68	11.56	0.00	70.2
4.400	3.86	14.95	3.86	14.95	0.00	57.9
4.500	3.64	19.70	3.20	17.68	0.00	48.0
4.600	3.86	14.90	3.86	14.90	0.00	57.9
4.700	4.67	11.53	4.67	11.53	0.00	70.0
4.800	7.21	9.14	7.21	9.14	0.00	108.1
4.900	21.95	7.30	21.95	7.30	0.00	109.4
5.000	29.45	5.79	29.45	5.79	0.00	86.8
5.000	29.45	5.79	29.45	5.79	0.00	86.8
5.100	21.95	7.30	21.95	7.30	0.00	109.5
5.200	7.21	9.15	7.21	9.15	0.00	108.1
5.300	4.66	11.55	4.66	11.55	0.00	70.0
5.400	3.86	14.92	3.86	14.92	0.00	57.8
5.500	3.63	19.72	3.19	17.69	0.00	47.9
5.600	3.86	14.91	3.86	14.91	0.00	57.8
5.700	4.67	11.54	4.67	11.54	0.00	70.0
5.800	7.21	9.14	7.21	9.14	0.00	108.2
5.900	21.97	7.29	21.97	7.29	0.00	109.4
6.000	29.49	5.78	29.49	5.78	0.00	86.7
6.000	29.49	5.78	29.49	5.78	0.00	86.7
6.100	21.97	7.29	21.97	7.29	0.00	109.4
6.200	7.21	9.14	7.21	9.14	0.00	108.2
6.300	4.67	11.54	4.67	11.54	0.00	70.0
6.400	3.86	14.91	3.86	14.91	0.00	57.8
6.500	3.63	19.72	3.19	17.69	0.00	47.9
6.600	3.86	14.92	3.86	14.92	0.00	57.8
6.700	4.66	11.55	4.66	11.55	0.00	70.0
6.800	7.21	9.15	7.21	9.15	0.00	108.1
6.900	21.95	7.30	21.95	7.30	0.00	109.5
7.000	29.45	5.79	29.45	5.79	0.00	86.8

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	29.45	5.79	29.45	5.79	0.00	86.8
7.100	21.95	7.30	21.95	7.30	0.00	109.4
7.200	7.21	9.14	7.21	9.14	0.00	108.1
7.300	4.67	11.53	4.67	11.53	0.00	70.0
7.400	3.86	14.90	3.86	14.90	0.00	57.9
7.500	3.64	19.70	3.20	17.68	0.00	48.0
7.600	3.86	14.95	3.86	14.95	0.00	57.9
7.700	4.68	11.56	4.68	11.56	0.00	70.1
7.800	7.23	9.16	7.23	9.16	0.00	108.5
7.900	22.06	7.30	22.06	7.30	0.00	109.5
8.000	29.50	5.76	29.50	5.76	0.00	86.4
8.000	29.50	5.76	29.50	5.76	0.00	86.4
8.100	21.79	7.27	21.79	7.27	0.00	109.1
8.200	7.19	9.13	7.19	9.13	0.00	107.8
8.300	4.65	11.53	4.65	11.53	0.00	69.7
8.400	3.84	14.92	3.84	14.92	0.00	57.5
8.500	3.73	20.29	3.73	20.29	0.00	55.9
8.600	3.83	15.03	3.83	15.03	0.00	57.4
8.700	4.62	11.65	4.62	11.65	0.00	69.4
8.800	7.14	9.25	7.14	9.25	0.00	107.0
8.900	21.65	7.39	21.65	7.39	0.00	110.9
9.000	26.05	5.87	26.05	5.87	0.00	88.1
9.000	26.05	5.87	26.05	5.87	0.00	88.1
9.100	21.79	7.36	21.79	7.36	0.00	110.4
9.200	7.21	9.18	7.21	9.18	0.00	108.1
9.300	4.70	11.54	4.70	11.54	0.00	70.4
9.400	3.91	14.87	3.91	14.87	0.00	58.6
9.500	3.71	17.37	3.27	15.56	0.00	49.0
9.600	3.96	13.08	3.96	13.08	0.00	59.4
9.700	4.83	10.06	4.83	10.06	0.00	72.5
9.800	7.54	7.92	7.54	7.92	0.00	113.1
9.900	23.68	6.27	23.68	6.27	0.00	94.1
10.000	29.94	4.93	29.94	4.93	0.00	73.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 2F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	29.94	4.93	29.94	4.93	0.00	73.9
10.100	26.27	8.22	26.27	8.22	0.00	123.2
10.200	7.98	9.97	7.98	9.97	0.00	119.7
10.300	4.89	12.04	4.89	12.04	0.00	73.4
10.400	3.81	14.59	3.81	14.59	0.00	57.1
10.500	3.48	17.90	3.48	17.90	0.00	52.2
10.600	3.30	22.54	3.30	22.54	0.00	49.5
10.700	3.50	29.85	3.50	29.85	0.00	52.5
10.800	4.40	43.82	4.40	43.82	0.00	66.0
10.900	7.70	84.46	7.70	84.46	0.00	115.5
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	16.6	54.71 R	0.00
1.200	2.7	28.5	90.38 R	0.00
1.300	3.4	35.6	108.52 R	0.00
1.400	3.6	37.9	115.38 R	0.00
1.500	3.4	35.4	112.94 R	0.00
1.600	2.8	28.0	100.22 L	0.00
1.700	1.7	15.8	81.65 L	0.00
1.800	0.1	-1.2	50.80 L	0.00
1.900	-1.9	-23.0	-52.90 R	0.00
2.000	-4.4	-49.5	-67.36 R	0.00
2.000	-4.4	-49.5	-67.36 R	0.00
2.100	-2.5	-26.7	-56.54 L	0.00
2.200	-1.0	-8.6	-48.32 L	0.00
2.300	0.1	4.7	70.88 R	0.00
2.400	0.8	13.2	84.16 R	0.00
2.500	1.1	16.9	89.53 L	0.00
2.600	1.1	15.7	84.48 L	0.00
2.700	0.7	9.7	71.44 L	0.00
2.800	-0.1	-1.1	46.65 L	0.00
2.900	-1.3	-16.7	-50.18 R	0.00
3.000	-2.9	-37.1	-63.22 L	0.00
3.000	-2.9	-37.1	-63.22 L	0.00
3.100	-1.2	-15.8	-50.14 L	0.00
3.200	0.1	0.7	46.81 R	0.00
3.300	1.0	12.4	71.79 R	0.00
3.400	1.6	19.3	84.92 R	0.00
3.500	1.7	21.4	90.18 L	0.00
3.600	1.5	18.6	84.94 L	0.00
3.700	0.9	11.1	71.83 L	0.00
3.800	-0.1	-1.3	46.87 L	0.00
3.900	-1.5	-18.5	-50.38 R	0.00
4.000	-3.3	-40.4	-63.35 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.4	-63.35 L	0.00
4.100	-1.6	-18.7	-50.11 L	0.00
4.200	-0.2	-1.8	46.63 R	0.00
4.300	0.8	10.3	71.55 R	0.00
4.400	1.3	17.6	84.72 R	0.00
4.500	1.5	20.2	89.92 L	0.00
4.600	1.4	17.8	84.74 L	0.00
4.700	0.8	10.6	71.59 L	0.00
4.800	-0.1	-1.3	46.68 L	0.00
4.900	-1.5	-18.0	-50.32 R	0.00
5.000	-3.2	-39.6	-63.33 L	0.00
5.000	-3.2	-39.6	-63.33 L	0.00
5.100	-1.5	-18.0	-50.30 L	0.00
5.200	-0.1	-1.2	46.68 R	0.00
5.300	0.8	10.8	71.59 R	0.00
5.400	1.4	18.0	84.75 R	0.00
5.500	1.6	20.5	89.94 L	0.00
5.600	1.4	18.0	84.75 L	0.00
5.700	0.8	10.7	71.60 L	0.00
5.800	-0.1	-1.4	46.68 L	0.00
5.900	-1.5	-18.2	-50.31 R	0.00
6.000	-3.2	-39.8	-63.33 R	0.00
6.000	-3.2	-39.8	-63.33 R	0.00
6.100	-1.5	-18.2	-50.31 L	0.00
6.200	-0.1	-1.4	46.68 R	0.00
6.300	0.8	10.7	71.60 R	0.00
6.400	1.4	18.0	84.75 R	0.00
6.500	1.6	20.5	89.94 R	0.00
6.600	1.4	18.0	84.75 L	0.00
6.700	0.8	10.8	71.59 L	0.00
6.800	-0.1	-1.2	46.68 L	0.00
6.900	-1.5	-18.0	-50.30 R	0.00
7.000	-3.2	-39.6	-63.33 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.6	-63.33 R 0.00	-48.71 0.00
7.100	-1.5	-18.0	-50.32 L 0.00	-38.71 0.00
7.200	-0.1	-1.3	46.68 R 0.00	35.91 0.00
7.300	0.8	10.6	71.59 R 0.00	55.07 0.00
7.400	1.4	17.8	84.74 R 0.00	65.18 0.00
7.500	1.5	20.2	89.92 R 0.00	69.17 0.00
7.600	1.3	17.6	84.72 L 0.00	65.17 0.00
7.700	0.8	10.3	71.55 L 0.00	55.04 0.00
7.800	-0.2	-1.8	46.63 L 0.00	35.87 0.00
7.900	-1.6	-18.7	-50.11 R 0.00	-38.55 0.00
8.000	-3.3	-40.4	-63.35 R 0.00	-48.73 0.00
8.000	-3.3	-40.4	-63.35 R 0.00	-48.73 0.00
8.100	-1.5	-18.5	-50.38 L 0.00	-38.75 0.00
8.200	-0.1	-1.3	46.87 R 0.00	36.06 0.00
8.300	0.9	11.1	71.83 R 0.00	55.25 0.00
8.400	1.5	18.6	84.94 R 0.00	65.34 0.00
8.500	1.7	21.4	90.18 R 0.00	69.37 0.00
8.600	1.6	19.3	84.92 L 0.00	65.32 0.00
8.700	1.0	12.4	71.78 L 0.00	55.22 0.00
8.800	0.1	0.7	46.81 L 0.00	36.00 0.00
8.900	-1.2	-15.8	-50.13 R 0.00	-38.56 0.00
9.000	-2.9	-37.1	-63.23 R 0.00	-48.64 0.00
9.000	-2.9	-37.1	-63.23 R 0.00	-48.64 0.00
9.100	-1.3	-16.7	-50.18 L 0.00	-38.60 0.00
9.200	-0.1	-1.1	46.65 R 0.00	35.89 0.00
9.300	0.7	9.7	71.43 R 0.00	54.95 0.00
9.400	1.1	15.7	84.46 R 0.00	64.97 0.00
9.500	1.1	16.9	89.50 R 0.00	68.85 0.00
9.600	0.8	13.2	84.12 L 0.00	64.71 0.00
9.700	0.1	4.7	70.83 L 0.00	54.48 0.00
9.800	-1.0	-8.5	-48.13 R 0.00	-37.02 0.00
9.900	-2.5	-26.6	-56.31 R 0.00	-43.32 0.00
10.000	-4.4	-49.4	-67.17 L 0.00	-51.67 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.4	-49.4	-67.17	L 0.00	-51.67	0.00
10.100	-1.9	-22.9	-52.98	L 0.00	-40.75	0.00
10.200	0.1	-1.1	51.00	R 0.00	39.23	0.00
10.300	1.7	15.9	81.86	R 0.00	62.97	0.00
10.400	2.8	28.1	100.38	R 0.00	77.22	0.00
10.500	3.5	35.5	113.10	L 0.00	87.00	0.00
10.600	3.7	37.9	115.49	L 0.00	88.84	0.00
10.700	3.4	35.6	108.61	L 0.00	83.54	0.00
10.800	2.7	28.5	90.43	L 0.00	69.56	0.00
10.900	1.6	16.7	54.73	L 0.00	42.10	0.00
11.000	0.0	0.0	0.00	R 0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 4	1.000	359.4C	314.7	-314.7	-359.4C	359.4	314.7	-314.7	-359.
6	1.100	359.4C	314.7	-314.7	-359.4C	341.2	296.5	-332.9	-377.
6	1.200	359.4C	314.7	-314.7	-359.4C	328.2	283.5	-345.9	-390.
4	1.300	359.4C	314.7	-314.7	-359.4C	320.4	275.7	-353.7	-398.
9	1.400	359.4C	314.7	-314.7	-359.4C	317.9	273.2	-356.2	-400.
1	1.500	373.3C	278.2	-307.1	-373.3C	334.5	239.3	-346.0	-412.
2	1.600	359.4C	314.7	-314.7	-359.4C	328.6	283.9	-345.4	-390.
8	1.700	359.4C	314.7	-314.7	-359.4C	342.0	297.3	-332.1	-376.
3	1.800	359.4C	314.7	-314.7	-359.4C	360.5	315.8	-313.6	-358.
5	1.900	359.4C	314.7	-314.7	-359.4C	384.3	339.6	-289.8	-334.
5	2.000	359.4C	314.7	-314.7	-359.4C	413.3	368.6	-260.8	-305.
3	2.000	301.2C	264.1	-264.1	-301.2C	355.1	318.0	-210.2	-247.
0	2.100	301.2C	264.1	-264.1	-301.2C	330.4	293.3	-234.9	-272.
6	2.200	301.2C	264.1	-264.1	-301.2C	310.8	273.7	-254.4	-291.
9	2.300	301.2C	264.1	-264.1	-301.2C	296.5	259.3	-268.8	-305.
2	2.400	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.0	-315.
8	2.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
0	2.600	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.8	-318.
5	2.700	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
9	2.800	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
2	2.900	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.1	-283.

3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
2	3.100	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.
0	3.200	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
6	3.300	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
1	3.400	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
4	3.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
3	3.600	301.2C	264.1	-264.1	-301.2C	281.1	243.9	-284.2	-321.
1	3.700	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8	3.800	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
2	3.900	301.2C	264.1	-264.1	-301.2C	321.2	284.1	-244.1	-281.
5	4.000	301.2C	264.1	-264.1	-301.2C	344.9	307.8	-220.4	-257.

2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
5	6.100	301.2C	264.1	-264.1	-301.2C	320.9	283.8	-244.4	-281.
7	6.200	301.2C	264.1	-264.1	-301.2C	302.7	265.6	-262.6	-299.
7	6.300	301.2C	264.1	-264.1	-301.2C	289.7	252.6	-275.6	-312.
6	6.400	301.2C	264.1	-264.1	-301.2C	281.8	244.7	-283.4	-320.
8	6.500	314.7C	227.8	-256.3	-314.7C	292.7	205.8	-278.3	-336.
6	6.600	301.2C	264.1	-264.1	-301.2C	281.8	244.6	-283.5	-320.
8	6.700	301.2C	264.1	-264.1	-301.2C	289.6	252.4	-275.7	-312.
9	6.800	301.2C	264.1	-264.1	-301.2C	302.5	265.4	-262.7	-299.
8	6.900	301.2C	264.1	-264.1	-301.2C	320.6	283.5	-244.6	-281.
5	7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

3F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.
7.100	301.2C	264.1	-264.1	-301.2C	320.7	283.6	-244.6	-281.
7.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
7.300	301.2C	264.1	-264.1	-301.2C	289.8	252.6	-275.5	-312.
7.400	301.2C	264.1	-264.1	-301.2C	282.0	244.9	-283.2	-320.
7.500	314.7C	227.8	-256.3	-314.7C	293.0	206.1	-278.0	-336.
7.600	301.2C	264.1	-264.1	-301.2C	282.2	245.1	-283.1	-320.
7.700	301.2C	264.1	-264.1	-301.2C	290.1	253.0	-275.1	-312.
7.800	301.2C	264.1	-264.1	-301.2C	303.2	266.1	-262.1	-299.
7.900	301.2C	264.1	-264.1	-301.2C	321.5	284.3	-243.8	-280.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.100	301.2C	264.1	-264.1	-301.2C	321.2	284.0	-244.1	-281.
8.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
8.300	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8.400	301.2C	264.1	-264.1	-301.2C	281.1	244.0	-284.2	-321.
8.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
8.600	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
8.700	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
8.800	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
8.900	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.

2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.100	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.0	-283.
9	9.200	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
5	9.300	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
0	9.400	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.9	-318.
8	9.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
2	9.600	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.1	-315.
0	9.700	301.2C	264.1	-264.1	-301.2C	296.4	259.3	-268.9	-306.
6	9.800	301.2C	264.1	-264.1	-301.2C	310.8	273.6	-254.5	-291.
1	9.900	301.2C	264.1	-264.1	-301.2C	330.3	293.2	-235.0	-272.
4	10.000	301.2C	264.1	-264.1	-301.2C	355.0	317.9	-210.3	-247.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
10.000	359.4C	264.1	-264.1	-359.4C	413.2	317.9	-210.3	-305.
10.100	359.4C	314.7	-314.7	-359.4C	384.2	339.5	-289.9	-334.
10.200	359.4C	314.7	-314.7	-359.4C	360.4	315.7	-313.7	-358.
10.300	359.4C	314.7	-314.7	-359.4C	341.9	297.2	-332.2	-376.
10.400	359.4C	314.7	-314.7	-359.4C	328.6	283.9	-345.5	-390.
10.500	359.4C	314.7	-314.7	-359.4C	320.5	275.8	-353.6	-398.
10.600	359.4C	314.7	-314.7	-359.4C	317.8	273.1	-356.3	-401.
10.700	359.4C	314.7	-314.7	-359.4C	320.4	275.6	-353.7	-398.
10.800	359.4C	314.7	-314.7	-359.4C	328.1	283.4	-346.0	-390.
10.900	359.4C	314.7	-314.7	-359.4C	341.2	296.4	-332.9	-377.
11.000	359.4C	314.7	-314.7	-359.4C	359.4	314.7	-314.7	-359.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	6.24	56.64	5.42	64.25	0.00	124.6
1.200	3.63	29.43	3.14	33.23	0.00	72.1
1.300	2.95	20.06	2.54	22.59	0.00	58.4
1.400	2.76	15.15	2.37	17.05	0.00	54.5
1.500	2.96	11.77	2.12	14.02	0.00	48.7
1.600	3.28	9.80	2.83	11.06	0.00	65.2
1.700	4.19	8.07	3.64	9.16	0.00	83.7
1.800	7.10	6.67	6.22	7.62	0.00	143.0
1.900	27.09	5.48	23.94	6.32	0.00	126.0
2.000	26.23	3.87	23.39	4.53	0.00	89.0
2.000	22.53	3.12	20.18	3.67	0.00	71.8
2.100	34.78	4.15	30.87	4.81	0.00	95.5
2.200	6.78	5.26	5.97	6.03	0.00	121.1
2.300	4.18	6.70	3.66	7.63	0.00	84.2
2.400	3.41	8.72	2.97	9.89	0.00	68.3
2.500	3.31	11.59	2.34	14.06	0.00	53.9
2.600	3.37	9.96	2.93	11.28	0.00	67.3
2.700	4.07	7.72	3.55	8.77	0.00	81.7
2.800	6.48	6.13	5.69	7.00	0.00	130.8
2.900	23.66	4.90	20.91	5.64	0.00	112.8
3.000	19.56	3.55	17.43	4.13	0.00	81.5
3.000	19.56	3.55	17.43	4.13	0.00	81.5
3.100	20.89	4.93	18.45	5.67	0.00	113.3
3.200	6.42	6.18	5.62	7.05	0.00	129.4
3.300	4.01	7.80	3.49	8.84	0.00	80.3
3.400	3.30	10.07	2.86	11.38	0.00	65.9
3.500	3.08	13.60	2.67	15.36	0.00	61.4
3.600	3.31	9.99	2.87	11.30	0.00	66.1
3.700	4.03	7.72	3.51	8.76	0.00	80.7
3.800	6.46	6.10	5.66	6.96	0.00	130.3
3.900	23.69	4.84	20.96	5.58	0.00	111.4
4.000	22.22	3.48	19.83	4.07	0.00	80.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
4.000	22.22	3.48	19.83	4.07	0.00	80.0
4.100	23.96	4.86	21.19	5.61	0.00	111.9
4.200	6.50	6.12	5.71	6.99	0.00	131.2
4.300	4.05	7.74	3.54	8.78	0.00	81.3
4.400	3.33	10.02	2.89	11.33	0.00	66.5
4.500	3.26	13.20	2.29	15.98	0.00	52.7
4.600	3.33	9.98	2.89	11.29	0.00	66.5
4.700	4.05	7.72	3.53	8.76	0.00	81.2
4.800	6.48	6.11	5.69	6.97	0.00	130.8
4.900	23.69	4.86	20.95	5.60	0.00	111.8
5.000	22.18	3.49	19.79	4.08	0.00	80.4
5.000	22.18	3.49	19.79	4.08	0.00	80.4
5.100	23.78	4.86	21.03	5.60	0.00	111.9
5.200	6.48	6.11	5.69	6.98	0.00	130.8
5.300	4.05	7.73	3.53	8.77	0.00	81.1
5.400	3.33	9.99	2.89	11.30	0.00	66.4
5.500	3.25	13.22	2.29	15.99	0.00	52.6
5.600	3.33	9.99	2.89	11.30	0.00	66.4
5.700	4.05	7.72	3.53	8.76	0.00	81.1
5.800	6.48	6.11	5.69	6.97	0.00	130.9
5.900	23.71	4.86	20.97	5.59	0.00	111.7
6.000	22.21	3.49	19.81	4.08	0.00	80.3
6.000	22.21	3.49	19.81	4.08	0.00	80.3
6.100	23.71	4.86	20.97	5.59	0.00	111.7
6.200	6.48	6.11	5.69	6.97	0.00	130.9
6.300	4.05	7.72	3.53	8.76	0.00	81.1
6.400	3.33	9.99	2.89	11.30	0.00	66.4
6.500	3.25	13.22	2.29	15.99	0.00	52.6
6.600	3.33	9.99	2.89	11.30	0.00	66.4
6.700	4.05	7.73	3.53	8.77	0.00	81.1
6.800	6.48	6.11	5.69	6.98	0.00	130.8
6.900	23.78	4.86	21.03	5.60	0.00	111.9
7.000	22.18	3.49	19.79	4.08	0.00	80.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	22.18	3.49	19.79	4.08	0.00	80.4
7.100	23.69	4.86	20.95	5.60	0.00	111.8
7.200	6.48	6.11	5.69	6.97	0.00	130.8
7.300	4.05	7.72	3.53	8.76	0.00	81.2
7.400	3.33	9.98	2.89	11.29	0.00	66.5
7.500	3.26	13.20	2.29	15.98	0.00	52.7
7.600	3.33	10.02	2.89	11.33	0.00	66.5
7.700	4.05	7.74	3.54	8.78	0.00	81.3
7.800	6.50	6.12	5.71	6.99	0.00	131.2
7.900	23.96	4.86	21.20	5.61	0.00	111.9
8.000	22.22	3.48	19.83	4.07	0.00	80.0
8.000	22.22	3.48	19.83	4.07	0.00	80.0
8.100	23.69	4.84	20.96	5.58	0.00	111.4
8.200	6.46	6.10	5.66	6.96	0.00	130.3
8.300	4.03	7.72	3.51	8.76	0.00	80.7
8.400	3.31	9.99	2.87	11.30	0.00	66.1
8.500	3.08	13.60	2.67	15.36	0.00	61.4
8.600	3.30	10.07	2.86	11.38	0.00	65.9
8.700	4.01	7.80	3.49	8.84	0.00	80.3
8.800	6.42	6.18	5.62	7.05	0.00	129.4
8.900	20.98	4.93	18.53	5.67	0.00	113.4
9.000	19.64	3.55	17.50	4.13	0.00	81.5
9.000	19.64	3.55	17.50	4.13	0.00	81.5
9.100	23.66	4.90	20.91	5.64	0.00	112.8
9.200	6.48	6.13	5.69	7.00	0.00	130.8
9.300	4.07	7.72	3.55	8.77	0.00	81.7
9.400	3.37	9.96	2.93	11.28	0.00	67.3
9.500	3.32	11.64	2.34	14.12	0.00	53.9
9.600	3.41	8.76	2.97	9.93	0.00	68.4
9.700	4.18	6.73	3.66	7.66	0.00	84.2
9.800	6.79	5.29	5.98	6.06	0.00	121.6
9.900	35.00	4.17	31.07	4.83	0.00	96.0
10.000	22.49	3.13	20.14	3.68	0.00	72.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 3F1

Moment

Span	Rating		Factor	Rating		Load Capacity (tons)
	top fiber +bend	fiber -bend		bottom fiber +bend	fiber -bend	
10.000	26.18	3.13		20.14	4.55	0.00 72.0
10.100	27.05	5.47		23.90	6.32	0.00 125.9
10.200	7.07	6.66		6.19	7.61	0.00 142.4
10.300	4.18	8.06		3.63	9.15	0.00 83.5
10.400	3.27	9.78		2.83	11.05	0.00 65.0
10.500	2.83	12.02		2.44	13.53	0.00 56.1
10.600	2.75	15.13		2.37	17.03	0.00 54.4
10.700	2.95	20.03		2.54	22.56	0.00 58.4
10.800	3.63	29.39		3.13	33.19	0.00 72.1
10.900	6.23	56.56		5.42	64.16	0.00 124.6
11.000	999.00	999.00		999.00	999.00	0.00 999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	25.85	0.00	19.88	0.00
1.100	0.5	5.7	21.89	0.00	16.83	0.00
1.200	0.4	3.8	18.08	0.00	13.90	0.00
1.300	0.2	1.9	14.47	0.00	11.13	0.00
1.400	0.0	-0.1	11.12	0.00	8.55	0.00
1.500	-0.2	-2.0	-12.70	0.00	-9.77	0.00
1.600	-0.4	-3.9	-15.86	0.00	-12.20	0.00
1.700	-0.5	-5.8	-19.49	0.00	-14.99	0.00
1.800	-0.7	-7.8	-22.87	0.00	-17.59	0.00
1.900	-0.9	-9.7	-25.95	0.00	-19.96	0.00
2.000	-1.1	-11.6	-28.68	0.00	-22.06	0.00
2.000	0.8	-11.6	27.65	0.00	21.27	0.00
2.100	0.7	8.2	24.31	0.00	18.70	0.00
2.200	0.5	6.3	20.82	0.00	16.01	0.00
2.300	0.4	4.4	17.18	0.00	13.21	0.00
2.400	0.2	2.4	13.54	0.00	10.41	0.00
2.500	0.1	0.5	10.05	0.00	7.73	0.00
2.600	-0.1	-1.5	-13.44	0.00	-10.34	0.00
2.700	-0.2	-3.4	-17.07	0.00	-13.13	0.00
2.800	-0.4	-5.3	-20.72	0.00	-15.94	0.00
2.900	-0.6	-7.2	-24.22	0.00	-18.63	0.00
3.000	-0.7	-9.1	-27.44	0.00	-21.11	0.00
3.000	0.8	9.5	27.47	0.00	21.13	0.00
3.100	0.6	7.6	24.26	0.00	18.66	0.00
3.200	0.4	5.6	20.77	0.00	15.97	0.00
3.300	0.3	3.7	17.12	0.00	13.17	0.00
3.400	0.1	1.8	13.49	0.00	10.38	0.00
3.500	0.0	-0.1	10.01	0.00	7.70	0.00
3.600	-0.2	-2.1	-13.48	0.00	-10.37	0.00
3.700	-0.3	-4.0	-17.12	0.00	-13.17	0.00
3.800	-0.5	-5.9	-20.76	0.00	-15.97	0.00
3.900	-0.6	-7.8	-24.26	0.00	-18.66	0.00
4.000	-0.8	-9.7	-27.47	0.00	-21.13	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	27.47	0.00	21.13	0.00
4.100	0.6	7.7	24.26	0.00	18.66	0.00
4.200	0.5	5.8	20.76	0.00	15.97	0.00
4.300	0.3	3.9	17.12	0.00	13.17	0.00
4.400	0.2	2.0	13.49	0.00	10.38	0.00
4.500	0.0	0.1	10.01	0.00	7.70	0.00
4.600	-0.1	-1.9	-13.48	0.00	-10.37	0.00
4.700	-0.3	-3.8	-17.12	0.00	-13.17	0.00
4.800	-0.5	-5.7	-20.76	0.00	-15.97	0.00
4.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
5.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00
5.000	0.8	9.6	27.47	0.00	21.13	0.00
5.100	0.6	7.7	24.26	0.00	18.66	0.00
5.200	0.5	5.8	20.76	0.00	15.97	0.00
5.300	0.3	3.8	17.12	0.00	13.17	0.00
5.400	0.1	1.9	13.49	0.00	10.37	0.00
5.500	0.0	0.0	10.00	0.00	7.70	0.00
5.600	-0.2	-2.0	-13.49	0.00	-10.37	0.00
5.700	-0.3	-3.9	-17.12	0.00	-13.17	0.00
5.800	-0.5	-5.8	-20.76	0.00	-15.97	0.00
5.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
6.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00
6.000	0.8	9.6	27.47	0.00	21.13	0.00
6.100	0.6	7.7	24.26	0.00	18.66	0.00
6.200	0.5	5.8	20.76	0.00	15.97	0.00
6.300	0.3	3.9	17.12	0.00	13.17	0.00
6.400	0.2	2.0	13.49	0.00	10.37	0.00
6.500	0.0	0.0	10.00	0.00	7.70	0.00
6.600	-0.1	-1.9	-13.49	0.00	-10.37	0.00
6.700	-0.3	-3.8	-17.12	0.00	-13.17	0.00
6.800	-0.5	-5.8	-20.76	0.00	-15.97	0.00
6.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
7.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	27.47	0.00	21.13	0.00
7.100	0.6	7.7	24.26	0.00	18.66	0.00
7.200	0.5	5.7	20.76	0.00	15.97	0.00
7.300	0.3	3.8	17.12	0.00	13.17	0.00
7.400	0.1	1.9	13.48	0.00	10.37	0.00
7.500	0.0	0.0	-10.01	0.00	-7.70	0.00
7.600	-0.2	-2.0	-13.49	0.00	-10.38	0.00
7.700	-0.3	-3.9	-17.12	0.00	-13.17	0.00
7.800	-0.5	-5.8	-20.76	0.00	-15.97	0.00
7.900	-0.6	-7.7	-24.26	0.00	-18.66	0.00
8.000	-0.8	-9.6	-27.47	0.00	-21.13	0.00
8.000	0.8	9.7	27.47	0.00	21.13	0.00
8.100	0.6	7.8	24.26	0.00	18.66	0.00
8.200	0.5	5.9	20.76	0.00	15.97	0.00
8.300	0.3	4.0	17.12	0.00	13.17	0.00
8.400	0.2	2.1	13.48	0.00	10.37	0.00
8.500	0.0	0.2	-10.01	0.00	-7.70	0.00
8.600	-0.1	-1.8	-13.49	0.00	-10.38	0.00
8.700	-0.3	-3.7	-17.12	0.00	-13.17	0.00
8.800	-0.4	-5.6	-20.77	0.00	-15.97	0.00
8.900	-0.6	-7.6	-24.26	0.00	-18.66	0.00
9.000	-0.8	-9.5	-27.47	0.00	-21.13	0.00
9.000	0.7	-9.5	27.44	0.00	21.11	0.00
9.100	0.6	7.2	24.22	0.00	18.63	0.00
9.200	0.4	5.3	20.71	0.00	15.93	0.00
9.300	0.2	3.4	17.07	0.00	13.13	0.00
9.400	0.1	1.5	13.43	0.00	10.33	0.00
9.500	-0.1	-0.5	-10.05	0.00	-7.73	0.00
9.600	-0.2	-2.4	-13.54	0.00	-10.42	0.00
9.700	-0.4	-4.3	-17.18	0.00	-13.22	0.00
9.800	-0.5	-6.3	-20.82	0.00	-16.02	0.00
9.900	-0.7	-8.2	-24.31	0.00	-18.70	0.00
10.000	-0.8	-10.1	-27.50	0.00	-21.16	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	28.67	0.00	22.06	0.00
10.100	0.9	9.7	25.94	0.00	19.95	0.00
10.200	0.7	7.8	22.86	0.00	17.58	0.00
10.300	0.5	5.8	19.48	0.00	14.98	0.00
10.400	0.4	3.9	15.85	0.00	12.19	0.00
10.500	0.2	2.0	12.69	0.00	9.76	0.00
10.600	0.0	0.1	-11.13	0.00	-8.56	0.00
10.700	-0.2	-1.9	-14.48	0.00	-11.14	0.00
10.800	-0.4	-3.8	-18.09	0.00	-13.91	0.00
10.900	-0.5	-5.7	-21.89	0.00	-16.84	0.00
11.000	-0.7	-7.6	-25.85	0.00	-19.89	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	171.7	-140.4	123.8
1.100	171.7	-138.4	125.9
1.200	171.7	-136.3	128.0
1.300	171.7	-134.2	130.0
1.400	171.7	-132.1	132.1
1.500	171.7	-130.0	134.2
1.600	171.7	-127.8	136.4
1.700	171.7	-125.7	138.5
1.800	171.7	-123.6	140.6
1.900	171.7	-121.5	142.7
2.000	171.7	-119.5	144.8
2.000	151.4	-119.5	105.5
2.100	151.4	-125.3	107.6
2.200	151.4	-123.2	109.6
2.300	151.4	-121.2	111.7
2.400	151.4	-119.1	113.8
2.500	151.4	-117.0	115.8
2.600	151.4	-114.9	118.0
2.700	151.4	-112.8	120.0
2.800	151.4	-110.8	122.1
2.900	151.4	-108.7	124.2
3.000	151.4	-106.6	117.1
3.000	151.4	-106.6	106.2
3.100	151.4	-124.6	108.3
3.200	151.4	-122.5	110.3
3.300	151.4	-120.4	112.4
3.400	151.4	-118.4	114.5
3.500	151.4	-116.3	116.5
3.600	151.4	-114.2	118.7
3.700	151.4	-112.1	120.7
3.800	151.4	-110.0	122.8
3.900	151.4	-108.0	124.9
4.000	151.4	-105.9	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.4	-105.9	106.0
4.100	151.4	-124.8	108.1
4.200	151.4	-122.7	110.2
4.300	151.4	-120.6	112.2
4.400	151.4	-118.6	114.3
4.500	151.4	-116.5	116.4
4.600	151.4	-114.4	118.5
4.700	151.4	-112.3	120.6
4.800	151.4	-110.2	122.6
4.900	151.4	-108.2	124.7
5.000	151.4	-106.1	117.2
5.000	151.4	-106.1	106.1
5.100	151.4	-124.7	108.1
5.200	151.4	-122.6	110.2
5.300	151.4	-120.6	112.3
5.400	151.4	-118.5	114.3
5.500	151.4	-116.4	116.4
5.600	151.4	-114.3	118.5
5.700	151.4	-112.3	120.6
5.800	151.4	-110.2	122.7
5.900	151.4	-108.1	124.7
6.000	151.4	-106.1	117.2
6.000	151.4	-106.1	106.1
6.100	151.4	-124.7	108.1
6.200	151.4	-122.7	110.2
6.300	151.4	-120.6	112.3
6.400	151.4	-118.5	114.3
6.500	151.4	-116.5	116.4
6.600	151.4	-114.3	118.5
6.700	151.4	-112.3	120.6
6.800	151.4	-110.2	122.6
6.900	151.4	-108.1	124.7
7.000	151.4	-106.1	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.4	-106.1	106.1
7.100	151.4	-124.7	108.2
7.200	151.4	-122.6	110.2
7.300	151.4	-120.6	112.3
7.400	151.4	-118.5	114.4
7.500	151.4	-116.4	116.4
7.600	151.4	-114.3	118.6
7.700	151.4	-112.2	120.6
7.800	151.4	-110.2	122.7
7.900	151.4	-108.1	124.8
8.000	151.4	-106.0	117.2
8.000	151.4	-106.0	105.9
8.100	151.4	-124.9	108.0
8.200	151.4	-122.8	110.1
8.300	151.4	-120.7	112.1
8.400	151.4	-118.7	114.2
8.500	151.4	-116.6	116.2
8.600	151.4	-114.5	118.4
8.700	151.4	-112.4	120.4
8.800	151.4	-110.3	122.5
8.900	151.4	-108.3	124.6
9.000	151.4	-106.2	117.2
9.000	151.4	-106.2	106.6
9.100	151.4	-124.2	108.7
9.200	151.4	-122.1	110.8
9.300	151.4	-120.0	112.8
9.400	151.4	-118.0	114.9
9.500	151.4	-115.9	117.0
9.600	151.4	-113.8	119.1
9.700	151.4	-111.7	121.1
9.800	151.4	-109.6	123.2
9.900	151.4	-107.6	125.3
10.000	151.4	-105.5	117.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	171.7	-105.5	119.5
10.100	171.7	-142.7	121.5
10.200	171.7	-140.6	123.6
10.300	171.7	-138.5	125.7
10.400	171.7	-136.4	127.8
10.500	171.7	-134.3	129.9
10.600	171.7	-132.1	132.1
10.700	171.7	-130.0	134.2
10.800	171.7	-127.9	136.3
10.900	171.7	-125.9	138.4
11.000	171.7	-123.8	132.8

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	59.74	4.79	0.00	110.1
1.100	58.85	5.75	0.00	132.3
1.200	36.33	7.08	0.00	162.8
1.300	19.65	8.99	0.00	206.7
1.400	13.44	11.89	0.00	273.4
1.500	10.23	16.62	0.00	235.4
1.600	8.06	25.31	0.00	185.3
1.700	6.45	44.97	0.00	148.4
1.800	5.41	120.75	0.00	124.3
1.900	4.68	226.30	0.00	107.7
2.000	4.16	229.62	0.00	95.8
2.000	4.16	3.82	0.00	87.8
2.100	42.75	4.43	0.00	101.8
2.200	42.05	5.27	0.00	121.1
2.300	31.58	6.50	0.00	149.6
2.400	17.72	8.40	0.00	193.3
2.500	11.76	11.53	0.00	265.2
2.600	8.55	17.30	0.00	196.7
2.700	6.61	30.42	0.00	152.0
2.800	5.35	37.13	0.00	123.0
2.900	4.49	37.76	0.00	103.2
3.000	3.89	35.62	0.00	89.4
3.000	3.89	3.87	0.00	88.9
3.100	42.57	4.46	0.00	102.6
3.200	41.86	5.31	0.00	122.2
3.300	30.68	6.57	0.00	151.0
3.400	17.44	8.49	0.00	195.2
3.500	11.63	11.65	0.00	267.5
3.600	8.47	17.48	0.00	194.8
3.700	6.55	30.74	0.00	150.7
3.800	5.30	42.18	0.00	121.9
3.900	4.45	42.89	0.00	102.4
4.000	3.86	40.26	0.00	88.7

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.86	3.86	0.00	88.7
4.100	42.64	4.45	0.00	102.5
4.200	41.93	5.30	0.00	122.0
4.300	30.73	6.55	0.00	150.7
4.400	17.47	8.47	0.00	194.9
4.500	11.65	11.63	0.00	267.4
4.600	8.48	17.45	0.00	195.1
4.700	6.56	30.70	0.00	150.9
4.800	5.31	42.08	0.00	122.1
4.900	4.46	42.79	0.00	102.6
5.000	3.86	40.22	0.00	88.9
5.000	3.86	3.86	0.00	88.8
5.100	42.63	4.46	0.00	102.5
5.200	41.93	5.31	0.00	122.1
5.300	30.71	6.56	0.00	150.8
5.400	17.46	8.48	0.00	195.0
5.500	11.64	11.64	0.00	267.6
5.600	8.48	17.46	0.00	195.0
5.700	6.56	30.72	0.00	150.8
5.800	5.31	41.95	0.00	122.1
5.900	4.46	42.65	0.00	102.5
6.000	3.86	40.08	0.00	88.8
6.000	3.86	3.86	0.00	88.8
6.100	42.65	4.46	0.00	102.5
6.200	41.95	5.31	0.00	122.1
6.300	30.72	6.56	0.00	150.8
6.400	17.46	8.48	0.00	195.0
6.500	11.64	11.63	0.00	267.6
6.600	8.48	17.46	0.00	195.0
6.700	6.56	30.71	0.00	150.8
6.800	5.31	41.93	0.00	122.1
6.900	4.46	42.63	0.00	102.5
7.000	3.86	40.06	0.00	88.8

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.86	3.86	0.00	88.8
7.100	42.79	4.46	0.00	102.6
7.200	42.09	5.31	0.00	122.1
7.300	30.70	6.56	0.00	150.9
7.400	17.45	8.48	0.00	195.1
7.500	11.63	11.64	0.00	267.6
7.600	8.47	17.47	0.00	194.9
7.700	6.55	30.73	0.00	150.7
7.800	5.30	41.93	0.00	122.0
7.900	4.45	42.64	0.00	102.5
8.000	3.86	40.05	0.00	88.8
8.000	3.86	3.86	0.00	88.7
8.100	42.90	4.45	0.00	102.4
8.200	42.19	5.30	0.00	121.9
8.300	30.74	6.55	0.00	150.7
8.400	17.48	8.47	0.00	194.8
8.500	11.65	11.62	0.00	267.3
8.600	8.49	17.45	0.00	195.2
8.700	6.56	30.68	0.00	151.0
8.800	5.31	41.86	0.00	122.2
8.900	4.46	42.57	0.00	102.6
9.000	3.87	40.04	0.00	88.9
9.000	3.87	3.89	0.00	88.9
9.100	37.92	4.49	0.00	103.2
9.200	37.29	5.35	0.00	123.0
9.300	30.42	6.61	0.00	152.0
9.400	17.30	8.55	0.00	196.7
9.500	11.53	11.75	0.00	265.3
9.600	8.40	17.72	0.00	193.3
9.700	6.50	31.58	0.00	149.6
9.800	5.27	42.03	0.00	121.1
9.900	4.43	42.73	0.00	101.8
10.000	3.84	40.00	0.00	88.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 3F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.84	4.17	0.00	88.2
10.100	225.98	4.68	0.00	107.8
10.200	120.58	5.41	0.00	124.4
10.300	44.90	6.45	0.00	148.5
10.400	25.27	8.06	0.00	185.5
10.500	16.61	10.24	0.00	235.5
10.600	11.87	13.46	0.00	273.1
10.700	8.98	19.67	0.00	206.5
10.800	7.07	36.37	0.00	162.7
10.900	5.75	58.76	0.00	132.2
11.000	4.79	999.00	0.00	110.1

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 27.3	327.3	327.3	-327.3	-327.3	327.3	327.3	-327.3	-3
1.100 45.5	327.3	327.3	-327.3	-327.3	309.0	309.0	-345.5	-3
1.200 58.5	327.3	327.3	-327.3	-327.3	296.0	296.0	-358.5	-3
1.300 66.3	327.3	327.3	-327.3	-327.3	288.3	288.3	-366.3	-3
1.400 68.8	327.3	327.3	-327.3	-327.3	285.7	285.7	-368.8	-3
1.500 28.1	319.4	289.3	-319.4	-289.3	280.6	250.4	-358.2	-3
1.600 58.0	327.3	327.3	-327.3	-327.3	296.5	296.5	-358.0	-3
1.700 44.7	327.3	327.3	-327.3	-327.3	309.8	309.8	-344.7	-3
1.800 26.2	327.3	327.3	-327.3	-327.3	328.4	328.4	-326.2	-3
1.900 02.4	327.3	327.3	-327.3	-327.3	352.2	352.2	-302.4	-3
2.000 73.4	327.3	327.3	-327.3	-327.3	381.2	381.2	-273.4	-2
2.000 20.7	274.6	274.6	-274.6	-274.6	328.5	328.6	-220.7	-2
2.100 45.4	274.6	274.6	-274.6	-274.6	303.8	303.8	-245.4	-2
2.200 65.0	274.6	274.6	-274.6	-274.6	284.3	284.3	-265.0	-2
2.300 79.4	274.6	274.6	-274.6	-274.6	269.9	269.9	-279.4	-2
2.400 88.6	274.6	274.6	-274.6	-274.6	260.7	260.7	-288.6	-2
2.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.5	-2
2.600 91.4	274.6	274.6	-274.6	-274.6	257.9	257.9	-291.4	-2
2.700 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
2.800 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
2.900 56.6	274.6	274.6	-274.6	-274.6	292.6	292.6	-256.6	-2

3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.100	274.6	274.6	-274.6	-274.6	291.6	291.6	-257.6	-2
57.7								
3.200	274.6	274.6	-274.6	-274.6	273.8	273.8	-275.4	-2
75.4								
3.300	274.6	274.6	-274.6	-274.6	261.2	261.2	-288.1	-2
88.1								
3.400	274.6	274.6	-274.6	-274.6	253.8	253.8	-295.5	-2
95.5								
3.500	274.6	274.6	-274.6	-274.6	251.5	251.5	-297.8	-2
97.8								
3.600	274.6	274.6	-274.6	-274.6	254.5	254.5	-294.8	-2
94.8								
3.700	274.6	274.6	-274.6	-274.6	262.7	262.7	-286.6	-2
86.6								
3.800	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
73.2								
3.900	274.6	274.6	-274.6	-274.6	294.6	294.6	-254.7	-2
54.7								
4.000	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
31.0								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

3F1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.				
4.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
4.100 54.4	274.6	274.6	-274.6	-274.6	294.9	294.9	-254.4	-2
4.200 72.6	274.6	274.6	-274.6	-274.6	276.6	276.7	-272.6	-2
4.300 85.7	274.6	274.6	-274.6	-274.6	263.6	263.6	-285.7	-2
4.400 93.6	274.6	274.6	-274.6	-274.6	255.6	255.7	-293.6	-2
4.500 58.7	266.5	236.9	-266.5	-236.9	244.8	215.2	-288.3	-2
4.600 93.8	274.6	274.6	-274.6	-274.6	255.5	255.5	-293.8	-2
4.700 86.1	274.6	274.6	-274.6	-274.6	263.2	263.2	-286.1	-2
4.800 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
4.900 55.1	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.1	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.100 55.2	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.2	-2
5.200 73.3	274.6	274.6	-274.6	-274.6	276.0	276.0	-273.3	-2
5.300 86.3	274.6	274.6	-274.6	-274.6	263.0	263.0	-286.3	-2
5.400 94.1	274.6	274.6	-274.6	-274.6	255.2	255.2	-294.1	-2
5.500 59.0	266.5	236.9	-266.5	-236.9	244.5	214.9	-288.6	-2
5.600 94.0	274.6	274.6	-274.6	-274.6	255.3	255.3	-294.0	-2
5.700 86.1	274.6	274.6	-274.6	-274.6	263.1	263.1	-286.1	-2
5.800 73.1	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.1	-2
5.900 54.9	274.6	274.6	-274.6	-274.6	294.3	294.3	-254.9	-2

6.000	274.6	274.6	-274.6	-274.6	317.7	317.7	-231.6	-2
31.6								
6.000	274.6	274.6	-274.6	-274.6	317.7	317.7	-231.6	-2
31.6								
6.100	274.6	274.6	-274.6	-274.6	294.3	294.3	-254.9	-2
54.9								
6.200	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.1	-2
73.1								
6.300	274.6	274.6	-274.6	-274.6	263.1	263.1	-286.1	-2
86.1								
6.400	274.6	274.6	-274.6	-274.6	255.3	255.3	-294.0	-2
94.0								
6.500	266.5	236.9	-266.5	-236.9	244.5	214.9	-288.6	-2
59.0								
6.600	274.6	274.6	-274.6	-274.6	255.2	255.2	-294.1	-2
94.1								
6.700	274.6	274.6	-274.6	-274.6	263.0	263.0	-286.3	-2
86.3								
6.800	274.6	274.6	-274.6	-274.6	276.0	276.0	-273.3	-2
73.3								
6.900	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.2	-2
55.2								
7.000	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
31.9								

9.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
9.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
9.100	274.6	274.6	-274.6	-274.6	292.7	292.7	-256.6	-2
56.6								
9.200	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
73.4								
9.300	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
85.0								
9.400	274.6	274.6	-274.6	-274.6	257.8	257.9	-291.4	-2
91.4								
9.500	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.6	-2
55.0								
9.600	274.6	274.6	-274.6	-274.6	260.6	260.6	-288.6	-2
88.7								
9.700	274.6	274.6	-274.6	-274.6	269.8	269.8	-279.4	-2
79.4								
9.800	274.6	274.6	-274.6	-274.6	284.2	284.2	-265.1	-2
65.1								
9.900	274.6	274.6	-274.6	-274.6	303.7	303.7	-245.5	-2
45.5								
10.000	274.6	274.6	-274.6	-274.6	328.4	328.4	-220.8	-2
20.8								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.65	58.78	5.65	58.78	0.00	129.9
1.200	3.28	30.50	3.28	30.50	0.00	75.3
1.300	2.66	20.77	2.66	20.77	0.00	61.1
1.400	2.48	15.69	2.48	15.69	0.00	57.0
1.500	2.48	12.19	2.22	11.16	0.00	51.0
1.600	2.96	10.15	2.96	10.15	0.00	68.0
1.700	3.80	8.38	3.80	8.38	0.00	87.3
1.800	6.46	6.94	6.46	6.94	0.00	148.7
1.900	24.83	5.72	24.83	5.72	0.00	131.5
2.000	24.19	4.06	24.19	4.06	0.00	93.3
2.000	20.85	3.28	20.85	3.28	0.00	75.4
2.100	31.98	4.34	31.98	4.34	0.00	99.8
2.200	6.20	5.48	6.20	5.48	0.00	126.1
2.300	3.81	6.97	3.81	6.97	0.00	87.6
2.400	3.10	9.05	3.10	9.05	0.00	71.2
2.500	2.78	12.03	2.44	10.78	0.00	56.2
2.600	3.05	10.33	3.05	10.33	0.00	70.2
2.700	3.70	8.02	3.70	8.02	0.00	85.1
2.800	5.91	6.38	5.91	6.38	0.00	136.0
2.900	21.69	5.11	21.69	5.11	0.00	117.6
3.000	18.04	3.71	18.04	3.71	0.00	85.4
3.000	18.04	3.71	18.04	3.71	0.00	85.4
3.100	19.15	5.14	19.15	5.14	0.00	118.2
3.200	5.85	6.43	5.85	6.43	0.00	134.5
3.300	3.64	8.10	3.64	8.10	0.00	83.7
3.400	2.99	10.44	2.99	10.44	0.00	68.7
3.500	2.79	14.10	2.79	14.10	0.00	64.1
3.600	3.00	10.37	3.00	10.37	0.00	68.9
3.700	3.66	8.02	3.66	8.02	0.00	84.1
3.800	5.89	6.34	5.89	6.34	0.00	135.5
3.900	21.74	5.05	21.74	5.05	0.00	116.3
4.000	20.51	3.65	20.51	3.65	0.00	83.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	20.51	3.65	20.51	3.65	0.00	83.9
4.100	21.98	5.08	21.98	5.08	0.00	116.7
4.200	5.93	6.36	5.93	6.36	0.00	136.5
4.300	3.68	8.04	3.68	8.04	0.00	84.7
4.400	3.02	10.39	3.02	10.39	0.00	69.4
4.500	2.72	13.69	2.39	12.29	0.00	55.0
4.600	3.02	10.36	3.02	10.36	0.00	69.3
4.700	3.68	8.02	3.68	8.02	0.00	84.6
4.800	5.91	6.35	5.91	6.35	0.00	136.0
4.900	21.73	5.07	21.73	5.07	0.00	116.6
5.000	20.47	3.66	20.47	3.66	0.00	84.2
5.000	20.47	3.66	20.47	3.66	0.00	84.2
5.100	21.81	5.07	21.81	5.07	0.00	116.7
5.200	5.91	6.36	5.91	6.36	0.00	136.0
5.300	3.67	8.02	3.67	8.02	0.00	84.5
5.400	3.01	10.37	3.01	10.37	0.00	69.3
5.500	2.72	13.70	2.39	12.30	0.00	55.0
5.600	3.01	10.36	3.01	10.36	0.00	69.3
5.700	3.67	8.02	3.67	8.02	0.00	84.5
5.800	5.91	6.35	5.92	6.35	0.00	136.1
5.900	21.75	5.07	21.75	5.07	0.00	116.5
6.000	20.50	3.66	20.50	3.66	0.00	84.1
6.000	20.50	3.66	20.50	3.66	0.00	84.1
6.100	21.75	5.07	21.75	5.07	0.00	116.5
6.200	5.91	6.35	5.91	6.35	0.00	136.1
6.300	3.67	8.02	3.67	8.02	0.00	84.5
6.400	3.01	10.36	3.01	10.36	0.00	69.3
6.500	2.72	13.70	2.39	12.30	0.00	55.0
6.600	3.01	10.37	3.01	10.37	0.00	69.3
6.700	3.67	8.02	3.67	8.02	0.00	84.5
6.800	5.91	6.36	5.91	6.36	0.00	136.0
6.900	21.81	5.07	21.81	5.07	0.00	116.7
7.000	20.47	3.66	20.47	3.66	0.00	84.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	20.47	3.66	20.47	3.66	0.00	84.2
7.100	21.73	5.07	21.73	5.07	0.00	116.6
7.200	5.91	6.35	5.91	6.35	0.00	136.0
7.300	3.68	8.02	3.68	8.02	0.00	84.6
7.400	3.02	10.36	3.02	10.36	0.00	69.3
7.500	2.72	13.69	2.39	12.29	0.00	55.0
7.600	3.02	10.39	3.02	10.39	0.00	69.4
7.700	3.68	8.04	3.68	8.04	0.00	84.7
7.800	5.93	6.36	5.93	6.37	0.00	136.4
7.900	21.98	5.08	21.98	5.08	0.00	116.7
8.000	20.50	3.65	20.50	3.65	0.00	83.9
8.000	20.50	3.65	20.50	3.65	0.00	83.9
8.100	21.73	5.05	21.74	5.05	0.00	116.3
8.200	5.89	6.34	5.89	6.34	0.00	135.5
8.300	3.66	8.02	3.66	8.02	0.00	84.1
8.400	3.00	10.37	3.00	10.37	0.00	68.9
8.500	2.79	14.10	2.79	14.10	0.00	64.1
8.600	2.99	10.44	2.99	10.44	0.00	68.7
8.700	3.64	8.10	3.64	8.10	0.00	83.7
8.800	5.85	6.43	5.85	6.43	0.00	134.6
8.900	19.23	5.14	19.23	5.14	0.00	118.2
9.000	18.11	3.71	18.11	3.71	0.00	85.4
9.000	18.11	3.71	18.11	3.71	0.00	85.4
9.100	21.69	5.11	21.69	5.11	0.00	117.6
9.200	5.91	6.38	5.91	6.38	0.00	136.0
9.300	3.70	8.02	3.70	8.02	0.00	85.1
9.400	3.05	10.34	3.05	10.34	0.00	70.2
9.500	2.78	12.08	2.45	10.82	0.00	56.2
9.600	3.10	9.09	3.10	9.09	0.00	71.3
9.700	3.81	7.00	3.81	7.00	0.00	87.6
9.800	6.21	5.51	6.21	5.51	0.00	126.7
9.900	32.19	4.36	32.19	4.36	0.00	100.3
10.000	20.81	3.29	20.81	3.29	0.00	75.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 3F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	20.81	3.29	20.81	3.29	0.00	75.6
10.100	24.79	5.71	24.79	5.71	0.00	131.3
10.200	6.44	6.93	6.44	6.93	0.00	148.1
10.300	3.78	8.37	3.78	8.37	0.00	87.0
10.400	2.95	10.14	2.95	10.14	0.00	67.9
10.500	2.55	12.44	2.55	12.44	0.00	58.6
10.600	2.47	15.67	2.47	15.67	0.00	56.9
10.700	2.65	20.75	2.65	20.75	0.00	61.0
10.800	3.27	30.46	3.27	30.46	0.00	75.3
10.900	5.65	58.70	5.65	58.70	0.00	129.9
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R	0.00
1.100	1.6	16.6	55.92 R	43.02
1.200	2.7	28.5	90.67 R	69.75
1.300	3.4	35.6	113.26 R	87.12
1.400	3.6	37.9	123.63 R	95.10
1.500	3.4	35.4	120.14 L	92.42
1.600	2.8	28.0	107.58 L	82.76
1.700	1.7	15.8	83.73 L	64.41
1.800	0.1	-1.2	-50.95 R	-39.19
1.900	-1.9	-23.0	-57.32 R	-44.09
2.000	-4.4	-49.5	-81.24 R	-62.50
2.000	-4.4	-49.5	-81.24 R	-62.50
2.100	-2.5	-26.7	-61.15 L	-47.04
2.200	-1.0	-8.6	-52.26 L	-40.20
2.300	0.1	4.7	72.79 R	55.99
2.400	0.8	13.2	90.26 R	69.43
2.500	1.1	16.9	93.51 R	71.93
2.600	1.1	15.7	90.59 L	69.69
2.700	0.7	9.7	73.41 L	56.47
2.800	-0.1	-1.1	-46.41 R	-35.70
2.900	-1.3	-16.7	-54.34 R	-41.80
3.000	-2.9	-37.1	-74.75 L	-57.50
3.000	-2.9	-37.1	-74.75 L	-57.50
3.100	-1.2	-15.8	-54.33 L	-41.80
3.200	0.1	0.7	-46.45 L	-35.73
3.300	1.0	12.4	73.74 R	56.72
3.400	1.6	19.3	91.10 R	70.08
3.500	1.7	21.4	94.19 L	72.46
3.600	1.5	18.6	91.13 L	70.10
3.700	0.9	11.1	73.78 L	56.76
3.800	-0.1	-1.3	-46.66 R	-35.89
3.900	-1.5	-18.5	-54.59 R	-41.99
4.000	-3.3	-40.4	-74.97 L	-57.67

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.4	-74.97 L	0.00
4.100	-1.6	-18.7	-54.28 L	0.00
4.200	-0.2	-1.8	-46.39 L	0.00
4.300	0.8	10.3	73.52 R	0.00
4.400	1.3	17.6	90.85 R	0.00
4.500	1.5	20.2	93.92 L	0.00
4.600	1.4	17.8	90.87 L	0.00
4.700	0.8	10.6	73.56 L	0.00
4.800	-0.1	-1.3	-46.59 R	0.00
4.900	-1.5	-18.0	-54.52 R	0.00
5.000	-3.2	-39.6	-74.93 L	0.00
5.000	-3.2	-39.6	-74.93 L	0.00
5.100	-1.5	-18.0	-54.50 L	0.00
5.200	-0.1	-1.2	-46.58 L	0.00
5.300	0.8	10.8	73.56 R	0.00
5.400	1.4	18.0	90.88 R	0.00
5.500	1.6	20.5	93.94 L	0.00
5.600	1.4	18.0	90.88 L	0.00
5.700	0.8	10.7	73.56 L	0.00
5.800	-0.1	-1.4	-46.59 R	0.00
5.900	-1.5	-18.2	-54.52 R	0.00
6.000	-3.2	-39.8	-74.93 R	0.00
6.000	-3.2	-39.8	-74.93 R	0.00
6.100	-1.5	-18.2	-54.52 L	0.00
6.200	-0.1	-1.4	-46.59 L	0.00
6.300	0.8	10.7	73.56 R	0.00
6.400	1.4	18.0	90.88 R	0.00
6.500	1.6	20.5	93.94 R	0.00
6.600	1.4	18.0	90.88 L	0.00
6.700	0.8	10.8	73.56 L	0.00
6.800	-0.1	-1.2	-46.58 R	0.00
6.900	-1.5	-18.0	-54.50 R	0.00
7.000	-3.2	-39.6	-74.93 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.6	-74.93 R	0.00
7.100	-1.5	-18.0	-54.52 L	0.00
7.200	-0.1	-1.3	-46.59 L	0.00
7.300	0.8	10.6	73.56 R	0.00
7.400	1.4	17.8	90.87 R	0.00
7.500	1.5	20.2	93.92 R	0.00
7.600	1.3	17.6	90.85 L	0.00
7.700	0.8	10.3	73.52 L	0.00
7.800	-0.2	-1.8	-46.39 R	0.00
7.900	-1.6	-18.7	-54.27 R	0.00
8.000	-3.3	-40.4	-74.97 R	0.00
8.000	-3.3	-40.4	-74.97 R	0.00
8.100	-1.5	-18.5	-54.59 L	0.00
8.200	-0.1	-1.3	-46.66 L	0.00
8.300	0.9	11.1	73.78 R	0.00
8.400	1.5	18.6	91.12 R	0.00
8.500	1.7	21.4	94.19 R	0.00
8.600	1.6	19.3	91.10 L	0.00
8.700	1.0	12.4	73.73 L	0.00
8.800	0.1	0.7	-46.43 R	0.00
8.900	-1.2	-15.8	-54.32 R	0.00
9.000	-2.9	-37.1	-74.75 R	0.00
9.000	-2.9	-37.1	-74.75 R	0.00
9.100	-1.3	-16.7	-54.35 L	0.00
9.200	-0.1	-1.1	-46.41 L	0.00
9.300	0.7	9.7	73.40 R	0.00
9.400	1.1	15.7	90.57 R	0.00
9.500	1.1	16.9	93.48 L	0.00
9.600	0.8	13.2	90.21 L	0.00
9.700	0.1	4.7	72.73 L	0.00
9.800	-1.0	-8.5	-52.03 R	0.00
9.900	-2.5	-26.6	-60.88 R	0.00
10.000	-4.4	-49.4	-80.98 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
10.000	-4.4	-49.4	-80.98 L	0.00	-62.29	0.00
10.100	-1.9	-22.9	-57.40 L	0.00	-44.16	0.00
10.200	0.1	-1.1	-51.02 L	0.00	-39.25	0.00
10.300	1.7	15.9	83.93 R	0.00	64.56	0.00
10.400	2.8	28.1	107.77 R	0.00	82.90	0.00
10.500	3.5	35.5	120.31 R	0.00	92.55	0.00
10.600	3.7	37.9	123.76 L	0.00	95.20	0.00
10.700	3.4	35.6	113.35 L	0.00	87.19	0.00
10.800	2.7	28.5	90.74 L	0.00	69.80	0.00
10.900	1.6	16.7	55.95 L	0.00	43.04	0.00
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 4	1.000	359.4C	314.7	-314.7	-359.4C	359.4	314.7	-314.7	-359.
6	1.100	359.4C	314.7	-314.7	-359.4C	341.2	296.5	-332.9	-377.
6	1.200	359.4C	314.7	-314.7	-359.4C	328.2	283.5	-345.9	-390.
4	1.300	359.4C	314.7	-314.7	-359.4C	320.4	275.7	-353.7	-398.
9	1.400	359.4C	314.7	-314.7	-359.4C	317.9	273.2	-356.2	-400.
1	1.500	373.3C	278.2	-307.1	-373.3C	334.5	239.3	-346.0	-412.
2	1.600	359.4C	314.7	-314.7	-359.4C	328.6	283.9	-345.4	-390.
8	1.700	359.4C	314.7	-314.7	-359.4C	342.0	297.3	-332.1	-376.
3	1.800	359.4C	314.7	-314.7	-359.4C	360.5	315.8	-313.6	-358.
5	1.900	359.4C	314.7	-314.7	-359.4C	384.3	339.6	-289.8	-334.
5	2.000	359.4C	314.7	-314.7	-359.4C	413.3	368.6	-260.8	-305.
3	2.000	301.2C	264.1	-264.1	-301.2C	355.1	318.0	-210.2	-247.
0	2.100	301.2C	264.1	-264.1	-301.2C	330.4	293.3	-234.9	-272.
6	2.200	301.2C	264.1	-264.1	-301.2C	310.8	273.7	-254.4	-291.
9	2.300	301.2C	264.1	-264.1	-301.2C	296.5	259.3	-268.8	-305.
2	2.400	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.0	-315.
8	2.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
0	2.600	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.8	-318.
5	2.700	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
9	2.800	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
2	2.900	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.1	-283.

3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
2	3.100	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.
0	3.200	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
6	3.300	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
1	3.400	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
4	3.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
3	3.600	301.2C	264.1	-264.1	-301.2C	281.1	243.9	-284.2	-321.
1	3.700	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8	3.800	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
2	3.900	301.2C	264.1	-264.1	-301.2C	321.2	284.1	-244.1	-281.
5	4.000	301.2C	264.1	-264.1	-301.2C	344.9	307.8	-220.4	-257.

2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
5	6.100	301.2C	264.1	-264.1	-301.2C	320.9	283.8	-244.4	-281.
7	6.200	301.2C	264.1	-264.1	-301.2C	302.7	265.6	-262.6	-299.
7	6.300	301.2C	264.1	-264.1	-301.2C	289.7	252.6	-275.6	-312.
6	6.400	301.2C	264.1	-264.1	-301.2C	281.8	244.7	-283.4	-320.
8	6.500	314.7C	227.8	-256.3	-314.7C	292.7	205.8	-278.3	-336.
6	6.600	301.2C	264.1	-264.1	-301.2C	281.8	244.6	-283.5	-320.
8	6.700	301.2C	264.1	-264.1	-301.2C	289.6	252.4	-275.7	-312.
9	6.800	301.2C	264.1	-264.1	-301.2C	302.5	265.4	-262.7	-299.
8	6.900	301.2C	264.1	-264.1	-301.2C	320.6	283.5	-244.6	-281.
5	7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

4F1

Span ng	Moment Capacity				Available Capacity for LL+I			
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.
7.100	301.2C	264.1	-264.1	-301.2C	320.7	283.6	-244.6	-281.
7.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
7.300	301.2C	264.1	-264.1	-301.2C	289.8	252.6	-275.5	-312.
7.400	301.2C	264.1	-264.1	-301.2C	282.0	244.9	-283.2	-320.
7.500	314.7C	227.8	-256.3	-314.7C	293.0	206.1	-278.0	-336.
7.600	301.2C	264.1	-264.1	-301.2C	282.2	245.1	-283.1	-320.
7.700	301.2C	264.1	-264.1	-301.2C	290.1	253.0	-275.1	-312.
7.800	301.2C	264.1	-264.1	-301.2C	303.2	266.1	-262.1	-299.
7.900	301.2C	264.1	-264.1	-301.2C	321.5	284.3	-243.8	-280.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
8.100	301.2C	264.1	-264.1	-301.2C	321.2	284.0	-244.1	-281.
8.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
8.300	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8.400	301.2C	264.1	-264.1	-301.2C	281.1	244.0	-284.2	-321.
8.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
8.600	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
8.700	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
8.800	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
8.900	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.

2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.100	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.0	-283.
9	9.200	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
5	9.300	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
0	9.400	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.9	-318.
8	9.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
2	9.600	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.1	-315.
0	9.700	301.2C	264.1	-264.1	-301.2C	296.4	259.3	-268.9	-306.
6	9.800	301.2C	264.1	-264.1	-301.2C	310.8	273.6	-254.5	-291.
1	9.900	301.2C	264.1	-264.1	-301.2C	330.3	293.2	-235.0	-272.
4	10.000	301.2C	264.1	-264.1	-301.2C	355.0	317.9	-210.3	-247.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	6.10	52.27	5.30	59.29	0.00	143.1
1.200	3.62	27.16	3.13	30.67	0.00	84.4
1.300	2.83	18.51	2.43	20.85	0.00	65.7
1.400	2.57	13.98	2.21	15.74	0.00	59.7
1.500	2.78	10.86	1.99	12.94	0.00	53.8
1.600	3.06	9.04	2.64	10.21	0.00	71.3
1.700	4.08	7.45	3.55	8.45	0.00	95.8
1.800	7.61	6.16	6.66	7.03	0.00	166.2
1.900	25.38	5.06	22.42	5.84	0.00	136.5
2.000	24.21	3.21	21.59	3.76	0.00	86.7
2.000	20.80	2.59	18.63	3.04	0.00	69.8
2.100	36.69	3.84	32.57	4.45	0.00	103.7
2.200	7.36	4.87	6.49	5.58	0.00	131.5
2.300	4.07	6.20	3.56	7.05	0.00	96.2
2.400	3.18	8.06	2.77	9.14	0.00	74.8
2.500	3.17	10.72	2.24	13.01	0.00	60.6
2.600	3.14	9.20	2.73	10.41	0.00	73.7
2.700	3.96	7.13	3.46	8.10	0.00	93.3
2.800	7.04	5.66	6.17	6.46	0.00	152.9
2.900	22.15	4.53	19.57	5.21	0.00	122.3
3.000	18.08	3.00	16.12	3.49	0.00	81.0
3.000	18.08	3.00	16.12	3.49	0.00	81.0
3.100	19.51	4.55	17.24	5.23	0.00	122.8
3.200	6.97	5.70	6.11	6.50	0.00	154.0
3.300	3.90	7.20	3.40	8.16	0.00	91.8
3.400	3.08	9.29	2.67	10.50	0.00	72.1
3.500	2.95	12.55	2.56	14.18	0.00	69.1
3.600	3.08	9.23	2.68	10.43	0.00	72.3
3.700	3.92	7.12	3.42	8.08	0.00	92.3
3.800	7.01	5.63	6.15	6.42	0.00	152.0
3.900	22.18	4.47	19.62	5.15	0.00	120.7
4.000	20.50	2.94	18.30	3.43	0.00	79.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		bottom fiber		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	+bend	-bend		
4.000	20.50	2.94	18.30	3.43	0.00	79.4
4.100	22.43	4.49	19.84	5.18	0.00	121.3
4.200	7.06	5.65	6.19	6.45	0.00	152.5
4.300	3.95	7.15	3.44	8.11	0.00	92.9
4.400	3.11	9.25	2.70	10.46	0.00	72.8
4.500	3.12	12.19	2.19	14.75	0.00	59.2
4.600	3.10	9.21	2.69	10.42	0.00	72.8
4.700	3.94	7.12	3.43	8.09	0.00	92.7
4.800	7.04	5.64	6.17	6.43	0.00	152.2
4.900	22.18	4.49	19.61	5.17	0.00	121.1
5.000	20.47	2.95	18.26	3.45	0.00	79.8
5.000	20.47	2.95	18.26	3.45	0.00	79.8
5.100	22.27	4.49	19.70	5.17	0.00	121.2
5.200	7.03	5.64	6.17	6.44	0.00	152.3
5.300	3.94	7.13	3.43	8.09	0.00	92.7
5.400	3.10	9.22	2.69	10.43	0.00	72.7
5.500	3.12	12.20	2.19	14.76	0.00	59.1
5.600	3.10	9.22	2.69	10.43	0.00	72.7
5.700	3.94	7.13	3.43	8.09	0.00	92.7
5.800	7.04	5.64	6.18	6.43	0.00	152.1
5.900	22.20	4.48	19.63	5.16	0.00	121.0
6.000	20.50	2.95	18.29	3.44	0.00	79.6
6.000	20.50	2.95	18.29	3.44	0.00	79.6
6.100	22.20	4.48	19.63	5.16	0.00	121.0
6.200	7.04	5.64	6.18	6.43	0.00	152.1
6.300	3.94	7.13	3.43	8.09	0.00	92.7
6.400	3.10	9.22	2.69	10.43	0.00	72.7
6.500	3.12	12.20	2.19	14.76	0.00	59.1
6.600	3.10	9.22	2.69	10.43	0.00	72.7
6.700	3.94	7.13	3.43	8.09	0.00	92.7
6.800	7.03	5.64	6.17	6.44	0.00	152.3
6.900	22.28	4.49	19.70	5.17	0.00	121.2
7.000	20.47	2.95	18.26	3.45	0.00	79.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
7.000	20.47	2.95	18.26	3.45	0.00	79.8
7.100	22.18	4.49	19.61	5.17	0.00	121.1
7.200	7.04	5.64	6.17	6.43	0.00	152.2
7.300	3.94	7.12	3.43	8.09	0.00	92.7
7.400	3.10	9.21	2.69	10.42	0.00	72.8
7.500	3.12	12.19	2.19	14.75	0.00	59.2
7.600	3.11	9.25	2.70	10.46	0.00	72.8
7.700	3.95	7.15	3.44	8.11	0.00	92.9
7.800	7.06	5.65	6.19	6.45	0.00	152.5
7.900	22.43	4.49	19.84	5.18	0.00	121.3
8.000	20.50	2.94	18.30	3.43	0.00	79.4
8.000	20.50	2.94	18.30	3.43	0.00	79.4
8.100	22.18	4.47	19.62	5.15	0.00	120.7
8.200	7.01	5.63	6.15	6.42	0.00	152.0
8.300	3.92	7.12	3.42	8.08	0.00	92.3
8.400	3.09	9.23	2.68	10.43	0.00	72.3
8.500	2.95	12.55	2.56	14.18	0.00	69.1
8.600	3.08	9.29	2.67	10.50	0.00	72.1
8.700	3.90	7.20	3.40	8.16	0.00	91.8
8.800	6.97	5.70	6.11	6.50	0.00	154.0
8.900	19.60	4.55	17.32	5.23	0.00	122.8
9.000	18.17	3.00	16.19	3.49	0.00	80.9
9.000	18.17	3.00	16.19	3.49	0.00	80.9
9.100	22.15	4.53	19.57	5.21	0.00	122.2
9.200	7.04	5.66	6.17	6.46	0.00	152.9
9.300	3.96	7.13	3.46	8.10	0.00	93.3
9.400	3.14	9.20	2.73	10.41	0.00	73.7
9.500	3.17	10.77	2.24	13.06	0.00	60.6
9.600	3.18	8.10	2.77	9.18	0.00	74.8
9.700	4.07	6.23	3.57	7.09	0.00	96.2
9.800	7.37	4.89	6.49	5.61	0.00	132.1
9.900	36.60	3.86	32.49	4.47	0.00	104.2
10.000	20.77	2.60	18.60	3.06	0.00	70.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 4F1

Moment

Span	Rating Factor		Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
10.000	24.17	2.60	18.60	3.77	0.00	70.1
10.100	25.33	5.05	22.39	5.83	0.00	136.4
10.200	7.57	6.15	6.63	7.02	0.00	166.0
10.300	4.07	7.44	3.54	8.44	0.00	95.6
10.400	3.05	9.03	2.63	10.20	0.00	71.1
10.500	2.66	11.09	2.29	12.49	0.00	61.9
10.600	2.57	13.97	2.21	15.72	0.00	59.6
10.700	2.83	18.49	2.43	20.82	0.00	65.7
10.800	3.62	27.12	3.12	30.63	0.00	84.3
10.900	6.10	52.20	5.30	59.21	0.00	143.1
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	26.83	0.00	20.64	0.00
1.100	0.5	5.7	22.37	0.00	17.21	0.00
1.200	0.4	3.8	18.13	0.00	13.95	0.00
1.300	0.2	1.9	14.26	0.00	10.97	0.00
1.400	0.0	-0.1	10.59	0.00	8.15	0.00
1.500	-0.2	-2.0	-12.78	0.00	-9.83	0.00
1.600	-0.4	-3.9	-16.27	0.00	-12.51	0.00
1.700	-0.5	-5.8	-19.94	0.00	-15.34	0.00
1.800	-0.7	-7.8	-23.49	0.00	-18.07	0.00
1.900	-0.9	-9.7	-27.33	0.00	-21.02	0.00
2.000	-1.1	-11.6	-30.81	0.00	-23.70	0.00
2.000	0.8	-11.6	29.21	0.00	22.47	0.00
2.100	0.7	8.2	25.21	0.00	19.40	0.00
2.200	0.5	6.3	21.39	0.00	16.46	0.00
2.300	0.4	4.4	17.56	0.00	13.51	0.00
2.400	0.2	2.4	13.53	0.00	10.40	0.00
2.500	0.1	0.5	9.39	0.00	7.22	0.00
2.600	-0.1	-1.5	-13.42	0.00	-10.32	0.00
2.700	-0.2	-3.4	-17.45	0.00	-13.43	0.00
2.800	-0.4	-5.3	-21.27	0.00	-16.36	0.00
2.900	-0.6	-7.2	-25.11	0.00	-19.32	0.00
3.000	-0.7	-9.1	-29.01	0.00	-22.31	0.00
3.000	0.8	9.5	29.05	0.00	22.35	0.00
3.100	0.6	7.6	25.16	0.00	19.35	0.00
3.200	0.4	5.6	21.31	0.00	16.39	0.00
3.300	0.3	3.7	17.51	0.00	13.47	0.00
3.400	0.1	1.8	13.48	0.00	10.37	0.00
3.500	0.0	-0.1	9.35	0.00	7.19	0.00
3.600	-0.2	-2.1	-13.47	0.00	-10.36	0.00
3.700	-0.3	-4.0	-17.50	0.00	-13.46	0.00
3.800	-0.5	-5.9	-21.31	0.00	-16.39	0.00
3.900	-0.6	-7.8	-25.15	0.00	-19.35	0.00
4.000	-0.8	-9.7	-29.04	0.00	-22.34	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	29.05	0.00	22.35	0.00
4.100	0.6	7.7	25.16	0.00	19.35	0.00
4.200	0.5	5.8	21.31	0.00	16.39	0.00
4.300	0.3	3.9	17.51	0.00	13.47	0.00
4.400	0.2	2.0	13.48	0.00	10.37	0.00
4.500	0.0	0.1	9.34	0.00	7.19	0.00
4.600	-0.1	-1.9	-13.47	0.00	-10.36	0.00
4.700	-0.3	-3.8	-17.50	0.00	-13.46	0.00
4.800	-0.5	-5.7	-21.31	0.00	-16.39	0.00
4.900	-0.6	-7.7	-25.15	0.00	-19.35	0.00
5.000	-0.8	-9.6	-29.04	0.00	-22.34	0.00
5.000	0.8	9.6	29.05	0.00	22.34	0.00
5.100	0.6	7.7	25.16	0.00	19.35	0.00
5.200	0.5	5.8	21.31	0.00	16.39	0.00
5.300	0.3	3.8	17.50	0.00	13.47	0.00
5.400	0.1	1.9	13.47	0.00	10.36	0.00
5.500	0.0	0.0	9.34	0.00	7.19	0.00
5.600	-0.2	-2.0	-13.47	0.00	-10.36	0.00
5.700	-0.3	-3.9	-17.50	0.00	-13.46	0.00
5.800	-0.5	-5.8	-21.31	0.00	-16.39	0.00
5.900	-0.6	-7.7	-25.16	0.00	-19.35	0.00
6.000	-0.8	-9.6	-29.05	0.00	-22.34	0.00
6.000	0.8	9.6	29.05	0.00	22.34	0.00
6.100	0.6	7.7	25.16	0.00	19.35	0.00
6.200	0.5	5.8	21.31	0.00	16.39	0.00
6.300	0.3	3.9	17.50	0.00	13.46	0.00
6.400	0.2	2.0	13.47	0.00	10.36	0.00
6.500	0.0	0.0	9.34	0.00	7.19	0.00
6.600	-0.1	-1.9	-13.47	0.00	-10.36	0.00
6.700	-0.3	-3.8	-17.50	0.00	-13.47	0.00
6.800	-0.5	-5.8	-21.31	0.00	-16.39	0.00
6.900	-0.6	-7.7	-25.16	0.00	-19.35	0.00
7.000	-0.8	-9.6	-29.05	0.00	-22.34	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
 Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	29.04	0.00	22.34	0.00
7.100	0.6	7.7	25.15	0.00	19.35	0.00
7.200	0.5	5.7	21.31	0.00	16.39	0.00
7.300	0.3	3.8	17.50	0.00	13.46	0.00
7.400	0.1	1.9	13.47	0.00	10.36	0.00
7.500	0.0	0.0	9.34	0.00	-7.19	0.00
7.600	-0.2	-2.0	-13.48	0.00	-10.37	0.00
7.700	-0.3	-3.9	-17.51	0.00	-13.47	0.00
7.800	-0.5	-5.8	-21.31	0.00	-16.39	0.00
7.900	-0.6	-7.7	-25.16	0.00	-19.35	0.00
8.000	-0.8	-9.6	-29.05	0.00	-22.35	0.00
8.000	0.8	9.7	29.04	0.00	22.34	0.00
8.100	0.6	7.8	25.15	0.00	19.35	0.00
8.200	0.5	5.9	21.31	0.00	16.39	0.00
8.300	0.3	4.0	17.50	0.00	13.46	0.00
8.400	0.2	2.1	13.47	0.00	10.36	0.00
8.500	0.0	0.2	-9.35	0.00	-7.19	0.00
8.600	-0.1	-1.8	-13.48	0.00	-10.37	0.00
8.700	-0.3	-3.7	-17.51	0.00	-13.47	0.00
8.800	-0.4	-5.6	-21.31	0.00	-16.39	0.00
8.900	-0.6	-7.6	-25.16	0.00	-19.35	0.00
9.000	-0.8	-9.5	-29.05	0.00	-22.35	0.00
9.000	0.7	-9.5	29.01	0.00	22.31	0.00
9.100	0.6	7.2	25.11	0.00	19.31	0.00
9.200	0.4	5.3	21.27	0.00	16.36	0.00
9.300	0.2	3.4	17.45	0.00	13.42	0.00
9.400	0.1	1.5	13.41	0.00	10.32	0.00
9.500	-0.1	-0.5	-9.40	0.00	-7.23	0.00
9.600	-0.2	-2.4	-13.53	0.00	-10.41	0.00
9.700	-0.4	-4.3	-17.57	0.00	-13.51	0.00
9.800	-0.5	-6.3	-21.40	0.00	-16.46	0.00
9.900	-0.7	-8.2	-25.22	0.00	-19.40	0.00
10.000	-0.8	-10.1	-29.10	0.00	-22.38	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	30.80	0.00	23.69	0.00
10.100	0.9	9.7	27.32	0.00	21.01	0.00
10.200	0.7	7.8	23.47	0.00	18.06	0.00
10.300	0.5	5.8	19.92	0.00	15.33	0.00
10.400	0.4	3.9	16.25	0.00	12.50	0.00
10.500	0.2	2.0	12.76	0.00	9.82	0.00
10.600	0.0	0.1	-11.03	0.00	-8.49	0.00
10.700	-0.2	-1.9	-14.28	0.00	-10.98	0.00
10.800	-0.4	-3.8	-18.15	0.00	-13.96	0.00
10.900	-0.5	-5.7	-22.38	0.00	-17.22	0.00
11.000	-0.7	-7.6	-26.84	0.00	-20.65	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	171.7	-140.4	123.8
1.100	171.7	-138.4	125.9
1.200	171.7	-136.3	128.0
1.300	171.7	-134.2	130.0
1.400	171.7	-132.1	132.1
1.500	171.7	-130.0	134.2
1.600	171.7	-127.8	136.4
1.700	171.7	-125.7	138.5
1.800	171.7	-123.6	140.6
1.900	171.7	-121.5	142.7
2.000	171.7	-119.5	144.8
2.000	151.4	-119.5	105.5
2.100	151.4	-125.3	107.6
2.200	151.4	-123.2	109.6
2.300	151.4	-121.2	111.7
2.400	151.4	-119.1	113.8
2.500	151.4	-117.0	115.8
2.600	151.4	-114.9	118.0
2.700	151.4	-112.8	120.0
2.800	151.4	-110.8	122.1
2.900	151.4	-108.7	124.2
3.000	151.4	-106.6	117.1
3.000	151.4	-106.6	106.2
3.100	151.4	-124.6	108.3
3.200	151.4	-122.5	110.3
3.300	151.4	-120.4	112.4
3.400	151.4	-118.4	114.5
3.500	151.4	-116.3	116.5
3.600	151.4	-114.2	118.7
3.700	151.4	-112.1	120.7
3.800	151.4	-110.0	122.8
3.900	151.4	-108.0	124.9
4.000	151.4	-105.9	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.4	-105.9	106.0
4.100	151.4	-124.8	108.1
4.200	151.4	-122.7	110.2
4.300	151.4	-120.6	112.2
4.400	151.4	-118.6	114.3
4.500	151.4	-116.5	116.4
4.600	151.4	-114.4	118.5
4.700	151.4	-112.3	120.6
4.800	151.4	-110.2	122.6
4.900	151.4	-108.2	124.7
5.000	151.4	-106.1	117.2
5.000	151.4	-106.1	106.1
5.100	151.4	-124.7	108.1
5.200	151.4	-122.6	110.2
5.300	151.4	-120.6	112.3
5.400	151.4	-118.5	114.3
5.500	151.4	-116.4	116.4
5.600	151.4	-114.3	118.5
5.700	151.4	-112.3	120.6
5.800	151.4	-110.2	122.7
5.900	151.4	-108.1	124.7
6.000	151.4	-106.1	117.2
6.000	151.4	-106.1	106.1
6.100	151.4	-124.7	108.1
6.200	151.4	-122.7	110.2
6.300	151.4	-120.6	112.3
6.400	151.4	-118.5	114.3
6.500	151.4	-116.5	116.4
6.600	151.4	-114.3	118.5
6.700	151.4	-112.3	120.6
6.800	151.4	-110.2	122.6
6.900	151.4	-108.1	124.7
7.000	151.4	-106.1	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.4	-106.1	106.1
7.100	151.4	-124.7	108.2
7.200	151.4	-122.6	110.2
7.300	151.4	-120.6	112.3
7.400	151.4	-118.5	114.4
7.500	151.4	-116.4	116.4
7.600	151.4	-114.3	118.6
7.700	151.4	-112.2	120.6
7.800	151.4	-110.2	122.7
7.900	151.4	-108.1	124.8
8.000	151.4	-106.0	117.2
8.000	151.4	-106.0	105.9
8.100	151.4	-124.9	108.0
8.200	151.4	-122.8	110.1
8.300	151.4	-120.7	112.1
8.400	151.4	-118.7	114.2
8.500	151.4	-116.6	116.2
8.600	151.4	-114.5	118.4
8.700	151.4	-112.4	120.4
8.800	151.4	-110.3	122.5
8.900	151.4	-108.3	124.6
9.000	151.4	-106.2	117.2
9.000	151.4	-106.2	106.6
9.100	151.4	-124.2	108.7
9.200	151.4	-122.1	110.8
9.300	151.4	-120.0	112.8
9.400	151.4	-118.0	114.9
9.500	151.4	-115.9	117.0
9.600	151.4	-113.8	119.1
9.700	151.4	-111.7	121.1
9.800	151.4	-109.6	123.2
9.900	151.4	-107.6	125.3
10.000	151.4	-105.5	117.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	171.7	-105.5	119.5
10.100	171.7	-142.7	121.5
10.200	171.7	-140.6	123.6
10.300	171.7	-138.5	125.7
10.400	171.7	-136.4	127.8
10.500	171.7	-134.3	129.9
10.600	171.7	-132.1	132.1
10.700	171.7	-130.0	134.2
10.800	171.7	-127.9	136.3
10.900	171.7	-125.9	138.4
11.000	171.7	-123.8	132.8

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	55.33	4.61	0.00	124.5
1.100	54.51	5.63	0.00	151.9
1.200	44.12	7.06	0.00	190.5
1.300	23.86	9.12	0.00	246.1
1.400	14.47	12.47	0.00	336.8
1.500	10.17	18.17	0.00	274.7
1.600	7.86	29.64	0.00	212.2
1.700	6.31	61.36	0.00	170.3
1.800	5.26	206.64	0.00	142.1
1.900	4.45	209.72	0.00	120.1
2.000	3.88	212.80	0.00	104.7
2.000	3.88	3.61	0.00	97.5
2.100	39.62	4.27	0.00	115.2
2.200	38.97	5.12	0.00	138.4
2.300	38.31	6.36	0.00	171.7
2.400	20.95	8.41	0.00	227.1
2.500	12.61	12.33	0.00	333.0
2.600	8.56	20.23	0.00	231.2
2.700	6.46	33.88	0.00	174.5
2.800	5.21	34.46	0.00	140.6
2.900	4.33	34.92	0.00	116.9
3.000	3.68	32.94	0.00	99.2
3.000	3.68	3.66	0.00	98.7
3.100	39.43	4.30	0.00	116.2
3.200	38.78	5.18	0.00	139.8
3.300	38.12	6.42	0.00	173.4
3.400	20.39	8.49	0.00	229.3
3.500	12.46	12.47	0.00	336.4
3.600	8.48	20.44	0.00	228.9
3.700	6.41	38.41	0.00	173.0
3.800	5.16	39.07	0.00	139.5
3.900	4.29	39.58	0.00	115.9
4.000	3.65	37.15	0.00	98.5

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	3.65	3.65	0.00	98.5
4.100	39.49	4.30	0.00	116.0
4.200	38.84	5.17	0.00	139.6
4.300	38.19	6.41	0.00	173.1
4.400	20.42	8.48	0.00	229.0
4.500	12.48	12.45	0.00	336.2
4.600	8.49	20.41	0.00	229.2
4.700	6.42	38.34	0.00	173.3
4.800	5.17	39.00	0.00	139.7
4.900	4.30	39.51	0.00	116.1
5.000	3.65	37.14	0.00	98.6
5.000	3.65	3.65	0.00	98.6
5.100	39.49	4.30	0.00	116.1
5.200	38.84	5.17	0.00	139.6
5.300	38.18	6.41	0.00	173.2
5.400	20.42	8.49	0.00	229.1
5.500	12.47	12.46	0.00	336.5
5.600	8.48	20.42	0.00	229.1
5.700	6.41	38.20	0.00	173.1
5.800	5.17	38.85	0.00	139.6
5.900	4.30	39.36	0.00	116.1
6.000	3.65	36.98	0.00	98.6
6.000	3.65	3.65	0.00	98.6
6.100	39.51	4.30	0.00	116.1
6.200	38.85	5.17	0.00	139.6
6.300	38.20	6.41	0.00	173.1
6.400	20.42	8.48	0.00	229.1
6.500	12.47	12.46	0.00	336.4
6.600	8.49	20.42	0.00	229.1
6.700	6.41	38.18	0.00	173.2
6.800	5.17	38.84	0.00	139.6
6.900	4.30	39.35	0.00	116.1
7.000	3.65	36.97	0.00	98.6

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	3.65	3.65	0.00	98.6
7.100	39.66	4.30	0.00	116.1
7.200	39.00	5.17	0.00	139.7
7.300	38.35	6.42	0.00	173.3
7.400	20.41	8.49	0.00	229.2
7.500	12.46	12.47	0.00	336.4
7.600	8.48	20.42	0.00	229.0
7.700	6.41	38.19	0.00	173.1
7.800	5.17	38.84	0.00	139.6
7.900	4.30	39.35	0.00	116.0
8.000	3.65	36.96	0.00	98.6
8.000	3.65	3.65	0.00	98.5
8.100	39.74	4.29	0.00	115.9
8.200	39.08	5.16	0.00	139.5
8.300	38.42	6.41	0.00	173.0
8.400	20.44	8.48	0.00	228.9
8.500	12.48	12.45	0.00	336.2
8.600	8.49	20.39	0.00	229.3
8.700	6.42	38.12	0.00	173.4
8.800	5.18	38.78	0.00	139.8
8.900	4.30	39.29	0.00	116.2
9.000	3.66	36.95	0.00	98.7
9.000	3.66	3.68	0.00	98.7
9.100	35.20	4.33	0.00	116.9
9.200	34.62	5.21	0.00	140.6
9.300	34.03	6.47	0.00	174.6
9.400	20.22	8.57	0.00	231.3
9.500	12.34	12.61	0.00	333.1
9.600	8.41	20.95	0.00	227.1
9.700	6.36	38.30	0.00	171.7
9.800	5.12	38.95	0.00	138.4
9.900	4.27	39.46	0.00	115.2
10.000	3.63	36.93	0.00	97.9

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 4F1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.63	3.88	0.00	97.9
10.100	209.42	4.45	0.00	120.1
10.200	206.35	5.27	0.00	142.2
10.300	61.27	6.31	0.00	170.4
10.400	29.60	7.86	0.00	212.3
10.500	18.15	10.18	0.00	274.8
10.600	11.98	14.49	0.00	323.3
10.700	9.11	23.88	0.00	245.9
10.800	7.05	44.16	0.00	190.4
10.900	5.62	54.43	0.00	151.8
11.000	4.61	999.00	0.00	124.5

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity		Capacity		Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 27.3	327.3	327.3	-327.3	-327.3	327.3	327.3	-327.3	-3
1.100 45.5	327.3	327.3	-327.3	-327.3	309.0	309.0	-345.5	-3
1.200 58.5	327.3	327.3	-327.3	-327.3	296.0	296.0	-358.5	-3
1.300 66.3	327.3	327.3	-327.3	-327.3	288.3	288.3	-366.3	-3
1.400 68.8	327.3	327.3	-327.3	-327.3	285.7	285.7	-368.8	-3
1.500 28.1	319.4	289.3	-319.4	-289.3	280.6	250.4	-358.2	-3
1.600 58.0	327.3	327.3	-327.3	-327.3	296.5	296.5	-358.0	-3
1.700 44.7	327.3	327.3	-327.3	-327.3	309.8	309.8	-344.7	-3
1.800 26.2	327.3	327.3	-327.3	-327.3	328.4	328.4	-326.2	-3
1.900 02.4	327.3	327.3	-327.3	-327.3	352.2	352.2	-302.4	-3
2.000 73.4	327.3	327.3	-327.3	-327.3	381.2	381.2	-273.4	-2
2.000 20.7	274.6	274.6	-274.6	-274.6	328.5	328.6	-220.7	-2
2.100 45.4	274.6	274.6	-274.6	-274.6	303.8	303.8	-245.4	-2
2.200 65.0	274.6	274.6	-274.6	-274.6	284.3	284.3	-265.0	-2
2.300 79.4	274.6	274.6	-274.6	-274.6	269.9	269.9	-279.4	-2
2.400 88.6	274.6	274.6	-274.6	-274.6	260.7	260.7	-288.6	-2
2.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.5	-2
2.600 91.4	274.6	274.6	-274.6	-274.6	257.9	257.9	-291.4	-2
2.700 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
2.800 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
2.900 56.6	274.6	274.6	-274.6	-274.6	292.6	292.6	-256.6	-2

3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.100	274.6	274.6	-274.6	-274.6	291.6	291.6	-257.6	-2
57.7								
3.200	274.6	274.6	-274.6	-274.6	273.8	273.8	-275.4	-2
75.4								
3.300	274.6	274.6	-274.6	-274.6	261.2	261.2	-288.1	-2
88.1								
3.400	274.6	274.6	-274.6	-274.6	253.8	253.8	-295.5	-2
95.5								
3.500	274.6	274.6	-274.6	-274.6	251.5	251.5	-297.8	-2
97.8								
3.600	274.6	274.6	-274.6	-274.6	254.5	254.5	-294.8	-2
94.8								
3.700	274.6	274.6	-274.6	-274.6	262.7	262.7	-286.6	-2
86.6								
3.800	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
73.2								
3.900	274.6	274.6	-274.6	-274.6	294.6	294.6	-254.7	-2
54.7								
4.000	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
31.0								

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
 Rating Live Load: 4F1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
4.000 31.0	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
4.100 54.4	274.6	274.6	-274.6	-274.6	294.9	294.9	-254.4	-2
4.200 72.6	274.6	274.6	-274.6	-274.6	276.6	276.7	-272.6	-2
4.300 85.7	274.6	274.6	-274.6	-274.6	263.6	263.6	-285.7	-2
4.400 93.6	274.6	274.6	-274.6	-274.6	255.6	255.7	-293.6	-2
4.500 58.7	266.5	236.9	-266.5	-236.9	244.8	215.2	-288.3	-2
4.600 93.8	274.6	274.6	-274.6	-274.6	255.5	255.5	-293.8	-2
4.700 86.1	274.6	274.6	-274.6	-274.6	263.2	263.2	-286.1	-2
4.800 73.2	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
4.900 55.1	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.1	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.000 31.9	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
5.100 55.2	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.2	-2
5.200 73.3	274.6	274.6	-274.6	-274.6	276.0	276.0	-273.3	-2
5.300 86.3	274.6	274.6	-274.6	-274.6	263.0	263.0	-286.3	-2
5.400 94.1	274.6	274.6	-274.6	-274.6	255.2	255.2	-294.1	-2
5.500 59.0	266.5	236.9	-266.5	-236.9	244.5	214.9	-288.6	-2
5.600 94.0	274.6	274.6	-274.6	-274.6	255.3	255.3	-294.0	-2
5.700 86.1	274.6	274.6	-274.6	-274.6	263.1	263.1	-286.1	-2
5.800 73.1	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.1	-2
5.900 54.9	274.6	274.6	-274.6	-274.6	294.3	294.3	-254.9	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

4F1

Span g tt.	Moment Capacity		Available Capacity for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
7.000	274.6	274.6	317.4	317.4
31.9				
7.100	274.6	274.6	294.1	294.1
55.1				
7.200	274.6	274.6	276.1	276.1
73.2				
7.300	274.6	274.6	263.2	263.2
86.1				
7.400	274.6	274.6	255.5	255.5
93.8				
7.500	266.5	236.9	244.8	215.2
58.7				
7.600	274.6	274.6	255.6	255.6
93.6				
7.700	274.6	274.6	263.6	263.6
85.7				
7.800	274.6	274.6	276.6	276.6
72.6				
7.900	274.6	274.6	294.9	294.9
54.4				
8.000	274.6	274.6	318.3	318.3
31.0				
8.000	274.6	274.6	318.3	318.3
31.0				
8.100	274.6	274.6	294.6	294.6
54.7				
8.200	274.6	274.6	276.1	276.1
73.2				
8.300	274.6	274.6	262.7	262.7
86.6				
8.400	274.6	274.6	254.5	254.5
94.8				
8.500	274.6	274.6	251.5	251.5
97.8				
8.600	274.6	274.6	253.8	253.8
95.5				
8.700	274.6	274.6	261.2	261.2
88.0				
8.800	274.6	274.6	273.8	273.9
75.4				
8.900	274.6	274.6	291.6	291.6
57.6				

9.000 34.7	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
9.000 34.7	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
9.100 56.6	274.6	274.6	-274.6	-274.6	292.7	292.7	-256.6	-2
9.200 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
9.300 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
9.400 91.4	274.6	274.6	-274.6	-274.6	257.8	257.9	-291.4	-2
9.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.6	-2
9.600 88.7	274.6	274.6	-274.6	-274.6	260.6	260.6	-288.6	-2
9.700 79.4	274.6	274.6	-274.6	-274.6	269.8	269.8	-279.4	-2
9.800 65.1	274.6	274.6	-274.6	-274.6	284.2	284.2	-265.1	-2
9.900 45.5	274.6	274.6	-274.6	-274.6	303.7	303.7	-245.5	-2
10.000 20.8	274.6	274.6	-274.6	-274.6	328.4	328.4	-220.8	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.53	54.25	5.53	54.25	0.00	149.2
1.200	3.27	28.15	3.27	28.15	0.00	88.2
1.300	2.55	19.17	2.55	19.17	0.00	68.7
1.400	2.31	14.48	2.31	14.48	0.00	62.4
1.500	2.34	11.25	2.09	10.30	0.00	56.3
1.600	2.76	9.37	2.76	9.37	0.00	74.4
1.700	3.70	7.73	3.70	7.73	0.00	99.9
1.800	6.93	6.40	6.93	6.40	0.00	172.8
1.900	23.26	5.28	23.26	5.28	0.00	142.4
2.000	22.33	3.37	22.33	3.37	0.00	90.8
2.000	19.25	2.72	19.25	2.72	0.00	73.4
2.100	33.74	4.01	33.74	4.01	0.00	108.4
2.200	6.74	5.07	6.74	5.07	0.00	136.9
2.300	3.71	6.44	3.71	6.44	0.00	100.1
2.400	2.89	8.37	2.89	8.37	0.00	78.0
2.500	2.66	11.12	2.34	9.96	0.00	63.2
2.600	2.85	9.54	2.85	9.54	0.00	76.9
2.700	3.60	7.41	3.60	7.41	0.00	97.2
2.800	6.42	5.89	6.42	5.89	0.00	159.1
2.900	20.30	4.72	20.30	4.72	0.00	127.5
3.000	16.68	3.14	16.68	3.14	0.00	84.8
3.000	16.68	3.14	16.68	3.14	0.00	84.8
3.100	17.88	4.74	17.88	4.74	0.00	128.0
3.200	6.35	5.93	6.35	5.93	0.00	160.1
3.300	3.54	7.47	3.54	7.47	0.00	95.6
3.400	2.79	9.64	2.79	9.64	0.00	75.2
3.500	2.67	13.02	2.67	13.02	0.00	72.1
3.600	2.79	9.57	2.79	9.57	0.00	75.4
3.700	3.56	7.40	3.56	7.40	0.00	96.1
3.800	6.39	5.86	6.39	5.86	0.00	158.1
3.900	20.35	4.66	20.35	4.66	0.00	126.0
4.000	18.92	3.08	18.92	3.08	0.00	83.2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	18.92	3.08	18.92	3.08	0.00	83.2
4.100	20.57	4.69	20.57	4.69	0.00	126.5
4.200	6.44	5.88	6.44	5.88	0.00	158.7
4.300	3.59	7.42	3.59	7.42	0.00	96.8
4.400	2.81	9.59	2.81	9.59	0.00	76.0
4.500	2.61	12.64	2.29	11.34	0.00	61.9
4.600	2.81	9.56	2.81	9.56	0.00	75.9
4.700	3.58	7.40	3.58	7.40	0.00	96.6
4.800	6.42	5.86	6.42	5.86	0.00	158.3
4.900	20.34	4.68	20.34	4.68	0.00	126.3
5.000	18.89	3.10	18.89	3.10	0.00	83.6
5.000	18.89	3.10	18.89	3.10	0.00	83.6
5.100	20.43	4.68	20.43	4.68	0.00	126.4
5.200	6.42	5.87	6.42	5.87	0.00	158.4
5.300	3.58	7.41	3.58	7.41	0.00	96.5
5.400	2.81	9.57	2.81	9.57	0.00	75.8
5.500	2.60	12.65	2.29	11.35	0.00	61.8
5.600	2.81	9.56	2.81	9.56	0.00	75.8
5.700	3.58	7.40	3.58	7.40	0.00	96.6
5.800	6.42	5.86	6.42	5.86	0.00	158.3
5.900	20.36	4.68	20.36	4.68	0.00	126.3
6.000	18.92	3.09	18.92	3.09	0.00	83.4
6.000	18.92	3.09	18.92	3.09	0.00	83.4
6.100	20.36	4.68	20.36	4.68	0.00	126.3
6.200	6.42	5.86	6.42	5.86	0.00	158.3
6.300	3.58	7.40	3.58	7.40	0.00	96.6
6.400	2.81	9.56	2.81	9.56	0.00	75.8
6.500	2.60	12.65	2.29	11.35	0.00	61.8
6.600	2.81	9.57	2.81	9.57	0.00	75.8
6.700	3.58	7.41	3.58	7.41	0.00	96.5
6.800	6.42	5.87	6.42	5.87	0.00	158.4
6.900	20.43	4.68	20.43	4.68	0.00	126.4
7.000	18.89	3.10	18.89	3.10	0.00	83.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	18.89	3.10	18.89	3.10	0.00	83.6
7.100	20.34	4.68	20.34	4.68	0.00	126.3
7.200	6.42	5.86	6.42	5.86	0.00	158.3
7.300	3.58	7.40	3.58	7.40	0.00	96.6
7.400	2.81	9.56	2.81	9.56	0.00	75.9
7.500	2.61	12.64	2.29	11.34	0.00	61.9
7.600	2.81	9.59	2.81	9.59	0.00	76.0
7.700	3.59	7.42	3.59	7.42	0.00	96.8
7.800	6.44	5.88	6.44	5.88	0.00	158.7
7.900	20.58	4.69	20.58	4.69	0.00	126.5
8.000	18.92	3.08	18.92	3.08	0.00	83.2
8.000	18.92	3.08	18.92	3.08	0.00	83.2
8.100	20.35	4.66	20.35	4.66	0.00	126.0
8.200	6.39	5.85	6.39	5.86	0.00	158.1
8.300	3.56	7.40	3.56	7.40	0.00	96.1
8.400	2.79	9.57	2.79	9.57	0.00	75.4
8.500	2.67	13.02	2.67	13.02	0.00	72.1
8.600	2.79	9.64	2.79	9.64	0.00	75.2
8.700	3.54	7.47	3.54	7.47	0.00	95.7
8.800	6.35	5.93	6.35	5.93	0.00	160.2
8.900	17.97	4.74	17.97	4.74	0.00	128.1
9.000	16.75	3.14	16.75	3.14	0.00	84.8
9.000	16.75	3.14	16.75	3.14	0.00	84.8
9.100	20.30	4.72	20.30	4.72	0.00	127.5
9.200	6.42	5.89	6.42	5.89	0.00	159.0
9.300	3.60	7.41	3.60	7.41	0.00	97.2
9.400	2.85	9.54	2.85	9.55	0.00	76.9
9.500	2.66	11.17	2.34	10.01	0.00	63.2
9.600	2.89	8.41	2.89	8.41	0.00	78.0
9.700	3.71	6.47	3.71	6.47	0.00	100.2
9.800	6.74	5.09	6.74	5.09	0.00	137.6
9.900	33.65	4.03	33.65	4.03	0.00	108.9
10.000	19.21	2.73	19.22	2.73	0.00	73.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 4F1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	19.21	2.73	19.22	2.73	0.00	73.6
10.100	23.22	5.27	23.22	5.27	0.00	142.3
10.200	6.89	6.39	6.89	6.39	0.00	172.6
10.300	3.69	7.72	3.69	7.72	0.00	99.6
10.400	2.75	9.36	2.75	9.36	0.00	74.3
10.500	2.40	11.48	2.40	11.48	0.00	64.7
10.600	2.31	14.46	2.31	14.46	0.00	62.3
10.700	2.54	19.15	2.54	19.15	0.00	68.7
10.800	3.26	28.11	3.26	28.11	0.00	88.1
10.900	5.52	54.17	5.52	54.17	0.00	149.1
11.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	w/impact Lane	Live Load w/o impact Truck	w/o impact Lane
1.000	0.0	0.0	0.00 R	0.00	0.00	0.00
1.100	1.6	16.6	53.14 R	0.00	40.88	0.00
1.200	2.7	28.5	87.63 R	0.00	67.41	0.00
1.300	3.4	35.6	105.06 R	0.00	80.81	0.00
1.400	3.6	37.9	110.30 R	0.00	84.84	0.00
1.500	3.4	35.4	107.76 R	0.00	82.90	0.00
1.600	2.8	28.0	98.53 L	0.00	75.79	0.00
1.700	1.7	15.8	80.94 R	0.00	62.26	0.00
1.800	0.1	-1.2	58.49 R	0.00	44.99	0.00
1.900	-1.9	-23.0	-52.24 L	0.00	-40.18	0.00
2.000	-4.4	-49.5	-73.91 L	0.00	-56.85	0.00
2.000	-4.4	-49.5	-73.91 L	0.00	-56.85	0.00
2.100	-2.5	-26.7	-55.28 L	0.00	-42.52	0.00
2.200	-1.0	-8.6	46.35 R	0.00	35.65	0.00
2.300	0.1	4.7	66.63 R	0.00	51.25	0.00
2.400	0.8	13.2	80.88 R	0.00	62.21	0.00
2.500	1.1	16.9	85.46 R	0.00	65.73	0.00
2.600	1.1	15.7	83.58 L	0.00	64.29	0.00
2.700	0.7	9.7	72.10 R	0.00	55.46	0.00
2.800	-0.1	-1.1	54.28 R	0.00	41.75	0.00
2.900	-1.3	-16.7	-46.73 R	0.00	-35.95	0.00
3.000	-2.9	-37.1	-59.39 L	0.00	-45.69	0.00
3.000	-2.9	-37.1	-59.39 L	0.00	-45.69	0.00
3.100	-1.2	-15.8	-46.79 L	0.00	-35.99	0.00
3.200	0.1	0.7	55.29 L	0.00	42.53	0.00
3.300	1.0	12.4	73.00 L	0.00	56.15	0.00
3.400	1.6	19.3	84.06 R	0.00	64.66	0.00
3.500	1.7	21.4	86.36 L	0.00	66.43	0.00
3.600	1.5	18.6	84.03 L	0.00	64.64	0.00
3.700	0.9	11.1	72.46 R	0.00	55.74	0.00
3.800	-0.1	-1.3	54.50 R	0.00	41.92	0.00
3.900	-1.5	-18.5	-47.00 R	0.00	-36.15	0.00
4.000	-3.3	-40.4	-59.57 L	0.00	-45.82	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.3	-40.4	-59.57 L	0.00
4.100	-1.6	-18.7	-46.72 L	0.00
4.200	-0.2	-1.8	54.23 L	0.00
4.300	0.8	10.3	72.17 L	0.00
4.400	1.3	17.6	83.80 R	0.00
4.500	1.5	20.2	85.78 R	0.00
4.600	1.4	17.8	83.83 L	0.00
4.700	0.8	10.6	72.24 R	0.00
4.800	-0.1	-1.3	54.34 R	0.00
4.900	-1.5	-18.0	-46.96 R	0.00
5.000	-3.2	-39.6	-59.66 R	0.00
5.000	-3.2	-39.6	-59.66 R	0.00
5.100	-1.5	-18.0	-46.94 L	0.00
5.200	-0.1	-1.2	54.31 L	0.00
5.300	0.8	10.8	72.22 L	0.00
5.400	1.4	18.0	83.84 R	0.00
5.500	1.6	20.5	85.80 R	0.00
5.600	1.4	18.0	83.84 L	0.00
5.700	0.8	10.7	72.24 R	0.00
5.800	-0.1	-1.4	54.34 R	0.00
5.900	-1.5	-18.2	-46.95 R	0.00
6.000	-3.2	-39.8	-59.63 R	0.00
6.000	-3.2	-39.8	-59.63 R	0.00
6.100	-1.5	-18.2	-46.95 L	0.00
6.200	-0.1	-1.4	54.34 L	0.00
6.300	0.8	10.7	72.24 L	0.00
6.400	1.4	18.0	83.84 R	0.00
6.500	1.6	20.5	85.80 L	0.00
6.600	1.4	18.0	83.84 L	0.00
6.700	0.8	10.8	72.22 R	0.00
6.800	-0.1	-1.2	54.31 R	0.00
6.900	-1.5	-18.0	-46.94 R	0.00
7.000	-3.2	-39.6	-59.66 L	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-3.2	-39.6	-59.66 L	0.00
7.100	-1.5	-18.0	-46.96 L	0.00
7.200	-0.1	-1.3	54.34 L	0.00
7.300	0.8	10.6	72.24 L	0.00
7.400	1.4	17.8	83.83 R	0.00
7.500	1.5	20.2	85.78 L	0.00
7.600	1.3	17.6	83.79 L	0.00
7.700	0.8	10.3	72.17 R	0.00
7.800	-0.2	-1.8	54.23 R	0.00
7.900	-1.6	-18.7	-46.72 R	0.00
8.000	-3.3	-40.4	-59.57 R	0.00
8.000	-3.3	-40.4	-59.57 R	0.00
8.100	-1.5	-18.5	-47.00 L	0.00
8.200	-0.1	-1.3	54.50 L	0.00
8.300	0.9	11.1	72.46 L	0.00
8.400	1.5	18.6	84.03 R	0.00
8.500	1.7	21.4	86.34 R	0.00
8.600	1.6	19.3	84.06 L	0.00
8.700	1.0	12.4	72.98 R	0.00
8.800	0.1	0.7	55.26 R	0.00
8.900	-1.2	-15.8	-46.77 R	0.00
9.000	-2.9	-37.1	-59.40 R	0.00
9.000	-2.9	-37.1	-59.40 R	0.00
9.100	-1.3	-16.7	-46.73 L	0.00
9.200	-0.1	-1.1	54.28 L	0.00
9.300	0.7	9.7	72.10 L	0.00
9.400	1.1	15.7	83.57 R	0.00
9.500	1.1	16.9	85.43 L	0.00
9.600	0.8	13.2	80.84 L	0.00
9.700	0.1	4.7	66.58 L	0.00
9.800	-1.0	-8.5	46.31 L	0.00
9.900	-2.5	-26.6	-55.04 R	0.00
10.000	-4.4	-49.4	-73.72 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	-4.4	-49.4	-73.72 R	0.00	-56.71	0.00
10.100	-1.9	-22.9	-52.22 R	0.00	-40.17	0.00
10.200	0.1	-1.1	58.64 L	0.00	45.11	0.00
10.300	1.7	15.9	81.12 L	0.00	62.40	0.00
10.400	2.8	28.1	98.68 R	0.00	75.91	0.00
10.500	3.5	35.5	107.92 L	0.00	83.01	0.00
10.600	3.7	37.9	110.40 L	0.00	84.92	0.00
10.700	3.4	35.6	105.14 L	0.00	80.88	0.00
10.800	2.7	28.5	87.67 L	0.00	67.44	0.00
10.900	1.6	16.7	53.16 L	0.00	40.89	0.00
11.000	0.0	0.0	0.00 R	0.00	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

5C1

Span ng	Moment Capacity				Available Capacity for LL+I				
	Positive	Bending	Negative	Bending	Positive	Bending	Negative	Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott	
. 4	1.000	359.4C	314.7	-314.7	-359.4C	359.4	314.7	-314.7	-359.
6	1.100	359.4C	314.7	-314.7	-359.4C	341.2	296.5	-332.9	-377.
6	1.200	359.4C	314.7	-314.7	-359.4C	328.2	283.5	-345.9	-390.
4	1.300	359.4C	314.7	-314.7	-359.4C	320.4	275.7	-353.7	-398.
9	1.400	359.4C	314.7	-314.7	-359.4C	317.9	273.2	-356.2	-400.
1	1.500	373.3C	278.2	-307.1	-373.3C	334.5	239.3	-346.0	-412.
2	1.600	359.4C	314.7	-314.7	-359.4C	328.6	283.9	-345.4	-390.
8	1.700	359.4C	314.7	-314.7	-359.4C	342.0	297.3	-332.1	-376.
3	1.800	359.4C	314.7	-314.7	-359.4C	360.5	315.8	-313.6	-358.
5	1.900	359.4C	314.7	-314.7	-359.4C	384.3	339.6	-289.8	-334.
5	2.000	359.4C	314.7	-314.7	-359.4C	413.3	368.6	-260.8	-305.
3	2.000	301.2C	264.1	-264.1	-301.2C	355.1	318.0	-210.2	-247.
0	2.100	301.2C	264.1	-264.1	-301.2C	330.4	293.3	-234.9	-272.
6	2.200	301.2C	264.1	-264.1	-301.2C	310.8	273.7	-254.4	-291.
9	2.300	301.2C	264.1	-264.1	-301.2C	296.5	259.3	-268.8	-305.
2	2.400	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.0	-315.
8	2.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
0	2.600	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.8	-318.
5	2.700	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
9	2.800	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
2	2.900	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.1	-283.

3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
3	3.000	301.2C	264.1	-264.1	-301.2C	341.1	304.0	-224.1	-261.
2	3.100	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.
0	3.200	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
6	3.300	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
1	3.400	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
4	3.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
3	3.600	301.2C	264.1	-264.1	-301.2C	281.1	243.9	-284.2	-321.
1	3.700	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
8	3.800	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
2	3.900	301.2C	264.1	-264.1	-301.2C	321.2	284.1	-244.1	-281.
5	4.000	301.2C	264.1	-264.1	-301.2C	344.9	307.8	-220.4	-257.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

5C1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
5	4.000	301.2C	264.1	-264.1	-301.2C	344.9	307.8	-220.4	-257.
9	4.100	301.2C	264.1	-264.1	-301.2C	321.5	284.3	-243.8	-280.
2	4.200	301.2C	264.1	-264.1	-301.2C	303.2	266.1	-262.1	-299.
3	4.300	301.2C	264.1	-264.1	-301.2C	290.1	253.0	-275.1	-312.
2	4.400	301.2C	264.1	-264.1	-301.2C	282.2	245.1	-283.1	-320.
5	4.500	314.7C	227.8	-256.3	-314.7C	293.0	206.1	-278.0	-336.
4	4.600	301.2C	264.1	-264.1	-301.2C	282.0	244.9	-283.2	-320.
6	4.700	301.2C	264.1	-264.1	-301.2C	289.8	252.6	-275.5	-312.
8	4.800	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
7	4.900	301.2C	264.1	-264.1	-301.2C	320.7	283.6	-244.6	-281.
5	5.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.
5	5.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.
8	5.100	301.2C	264.1	-264.1	-301.2C	320.6	283.5	-244.6	-281.
9	5.200	301.2C	264.1	-264.1	-301.2C	302.5	265.4	-262.7	-299.
8	5.300	301.2C	264.1	-264.1	-301.2C	289.6	252.4	-275.7	-312.
6	5.400	301.2C	264.1	-264.1	-301.2C	281.8	244.6	-283.5	-320.
8	5.500	314.7C	227.8	-256.3	-314.7C	292.7	205.8	-278.3	-336.
6	5.600	301.2C	264.1	-264.1	-301.2C	281.8	244.7	-283.4	-320.
7	5.700	301.2C	264.1	-264.1	-301.2C	289.7	252.6	-275.6	-312.
7	5.800	301.2C	264.1	-264.1	-301.2C	302.7	265.6	-262.6	-299.
5	5.900	301.2C	264.1	-264.1	-301.2C	320.9	283.8	-244.4	-281.

2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
2	6.000	301.2C	264.1	-264.1	-301.2C	344.2	307.1	-221.0	-258.
5	6.100	301.2C	264.1	-264.1	-301.2C	320.9	283.8	-244.4	-281.
7	6.200	301.2C	264.1	-264.1	-301.2C	302.7	265.6	-262.6	-299.
7	6.300	301.2C	264.1	-264.1	-301.2C	289.7	252.6	-275.6	-312.
6	6.400	301.2C	264.1	-264.1	-301.2C	281.8	244.7	-283.4	-320.
8	6.500	314.7C	227.8	-256.3	-314.7C	292.7	205.8	-278.3	-336.
6	6.600	301.2C	264.1	-264.1	-301.2C	281.8	244.6	-283.5	-320.
8	6.700	301.2C	264.1	-264.1	-301.2C	289.6	252.4	-275.7	-312.
9	6.800	301.2C	264.1	-264.1	-301.2C	302.5	265.4	-262.7	-299.
8	6.900	301.2C	264.1	-264.1	-301.2C	320.6	283.5	-244.6	-281.
5	7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

5C1

ng	Span	Moment Capacity				Available Capacity for LL+I			
		Positive Bending		Negative Bending		Positive Bending		Negative Bending	
		Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
.									
5	7.000	301.2C	264.1	-264.1	-301.2C	343.9	306.8	-221.3	-258.
7	7.100	301.2C	264.1	-264.1	-301.2C	320.7	283.6	-244.6	-281.
8	7.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
6	7.300	301.2C	264.1	-264.1	-301.2C	289.8	252.6	-275.5	-312.
4	7.400	301.2C	264.1	-264.1	-301.2C	282.0	244.9	-283.2	-320.
5	7.500	314.7C	227.8	-256.3	-314.7C	293.0	206.1	-278.0	-336.
2	7.600	301.2C	264.1	-264.1	-301.2C	282.2	245.1	-283.1	-320.
3	7.700	301.2C	264.1	-264.1	-301.2C	290.1	253.0	-275.1	-312.
2	7.800	301.2C	264.1	-264.1	-301.2C	303.2	266.1	-262.1	-299.
9	7.900	301.2C	264.1	-264.1	-301.2C	321.5	284.3	-243.8	-280.
5	8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
5	8.000	301.2C	264.1	-264.1	-301.2C	344.9	307.7	-220.4	-257.
2	8.100	301.2C	264.1	-264.1	-301.2C	321.2	284.0	-244.1	-281.
8	8.200	301.2C	264.1	-264.1	-301.2C	302.6	265.5	-262.6	-299.
1	8.300	301.2C	264.1	-264.1	-301.2C	289.3	252.2	-276.0	-313.
3	8.400	301.2C	264.1	-264.1	-301.2C	281.1	244.0	-284.2	-321.
4	8.500	301.2C	264.1	-264.1	-301.2C	278.0	240.9	-287.2	-324.
1	8.600	301.2C	264.1	-264.1	-301.2C	280.3	243.2	-284.9	-322.
6	8.700	301.2C	264.1	-264.1	-301.2C	287.8	250.7	-277.5	-314.
0	8.800	301.2C	264.1	-264.1	-301.2C	300.4	263.3	-264.9	-302.
2	8.900	301.2C	264.1	-264.1	-301.2C	318.2	281.1	-247.1	-284.

2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.000	301.2C	264.1	-264.1	-301.2C	341.2	304.0	-224.1	-261.
2	9.100	301.2C	264.1	-264.1	-301.2C	319.2	282.1	-246.0	-283.
9	9.200	301.2C	264.1	-264.1	-301.2C	302.5	265.3	-262.8	-299.
5	9.300	301.2C	264.1	-264.1	-301.2C	290.9	253.7	-274.4	-311.
0	9.400	301.2C	264.1	-264.1	-301.2C	284.4	247.3	-280.9	-318.
8	9.500	314.7C	227.8	-256.3	-314.7C	296.7	209.8	-274.3	-332.
2	9.600	301.2C	264.1	-264.1	-301.2C	287.2	250.1	-278.1	-315.
0	9.700	301.2C	264.1	-264.1	-301.2C	296.4	259.3	-268.9	-306.
6	9.800	301.2C	264.1	-264.1	-301.2C	310.8	273.6	-254.5	-291.
1	9.900	301.2C	264.1	-264.1	-301.2C	330.3	293.2	-235.0	-272.
4	10.000	301.2C	264.1	-264.1	-301.2C	355.0	317.9	-210.3	-247.

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	6.42	59.96	5.58	68.01	0.00	223.1
1.200	3.74	31.15	3.23	35.17	0.00	129.4
1.300	3.05	21.23	2.62	23.92	0.00	105.0
1.400	2.88	16.04	2.48	18.05	0.00	99.1
1.500	3.10	12.46	2.22	14.84	0.00	88.8
1.600	3.34	10.37	2.88	11.71	0.00	115.3
1.700	4.22	8.55	3.67	9.69	0.00	146.9
1.800	6.16	7.06	5.40	8.06	0.00	216.0
1.900	13.08	5.55	11.55	6.40	0.00	221.9
2.000	31.68	3.53	28.25	4.13	0.00	141.1
2.000	27.22	2.84	24.37	3.35	0.00	113.7
2.100	15.37	4.25	13.64	4.92	0.00	170.0
2.200	6.71	5.66	5.91	6.49	0.00	226.5
2.300	4.45	6.74	3.89	7.67	0.00	155.7
2.400	3.55	7.65	3.09	8.68	0.00	123.7
2.500	3.47	7.98	2.45	9.68	0.00	98.2
2.600	3.40	8.24	2.96	9.34	0.00	118.4
2.700	4.03	7.55	3.52	8.58	0.00	140.8
2.800	5.57	6.54	4.89	7.46	0.00	195.5
2.900	11.34	5.26	10.02	6.06	0.00	210.6
3.000	21.97	3.77	19.58	4.40	0.00	151.0
3.000	21.97	3.77	19.58	4.40	0.00	151.0
3.100	10.80	5.28	9.54	6.07	0.00	211.2
3.200	5.43	6.58	4.76	7.51	0.00	190.5
3.300	3.94	7.64	3.43	8.66	0.00	137.3
3.400	3.34	8.42	2.89	9.51	0.00	115.7
3.500	3.22	8.75	2.79	9.88	0.00	111.6
3.600	3.35	8.37	2.90	9.47	0.00	116.1
3.700	3.99	7.57	3.48	8.59	0.00	139.2
3.800	5.55	6.50	4.87	7.41	0.00	194.9
3.900	11.35	5.19	10.04	5.98	0.00	207.7
4.000	26.80	3.70	23.92	4.32	0.00	148.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber -bend	bottom fiber +bend		
4.000	26.80	3.70	23.92	4.32	0.00	148.0
4.100	11.46	5.22	10.14	6.01	0.00	208.7
4.200	5.59	6.52	4.91	7.45	0.00	196.3
4.300	4.02	7.59	3.51	8.61	0.00	140.2
4.400	3.37	8.38	2.92	9.48	0.00	117.0
4.500	3.42	8.49	2.40	10.28	0.00	96.1
4.600	3.36	8.37	2.92	9.47	0.00	116.9
4.700	4.01	7.57	3.50	8.59	0.00	139.9
4.800	5.57	6.51	4.89	7.43	0.00	195.4
4.900	11.38	5.21	10.06	6.00	0.00	208.3
5.000	26.76	3.71	23.87	4.33	0.00	148.4
5.000	26.76	3.71	23.87	4.33	0.00	148.4
5.100	11.39	5.21	10.07	6.00	0.00	208.5
5.200	5.57	6.51	4.89	7.43	0.00	195.5
5.300	4.01	7.58	3.49	8.60	0.00	139.8
5.400	3.36	8.37	2.92	9.47	0.00	116.7
5.500	3.41	8.49	2.40	10.28	0.00	95.9
5.600	3.36	8.37	2.92	9.46	0.00	116.7
5.700	4.01	7.57	3.50	8.59	0.00	139.8
5.800	5.57	6.51	4.89	7.43	0.00	195.5
5.900	11.39	5.20	10.07	5.99	0.00	208.2
6.000	26.78	3.71	23.89	4.33	0.00	148.3
6.000	26.78	3.71	23.89	4.33	0.00	148.3
6.100	11.39	5.20	10.07	5.99	0.00	208.2
6.200	5.57	6.51	4.89	7.43	0.00	195.5
6.300	4.01	7.57	3.50	8.59	0.00	139.8
6.400	3.36	8.37	2.92	9.46	0.00	116.7
6.500	3.41	8.49	2.40	10.28	0.00	95.9
6.600	3.36	8.37	2.92	9.47	0.00	116.7
6.700	4.01	7.58	3.49	8.60	0.00	139.8
6.800	5.57	6.51	4.89	7.43	0.00	195.5
6.900	11.40	5.21	10.07	6.00	0.00	208.5
7.000	26.76	3.71	23.87	4.33	0.00	148.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	+bend	-bend		
7.000	26.76	3.71	23.87	4.33	0.00	148.4
7.100	11.38	5.21	10.06	6.00	0.00	208.3
7.200	5.57	6.51	4.89	7.43	0.00	195.4
7.300	4.01	7.57	3.50	8.59	0.00	139.9
7.400	3.36	8.37	2.92	9.47	0.00	116.9
7.500	3.42	8.49	2.40	10.28	0.00	96.1
7.600	3.37	8.38	2.92	9.48	0.00	117.0
7.700	4.02	7.59	3.51	8.61	0.00	140.2
7.800	5.59	6.52	4.91	7.45	0.00	196.3
7.900	11.46	5.22	10.14	6.01	0.00	208.8
8.000	26.80	3.70	23.91	4.32	0.00	148.0
8.000	26.80	3.70	23.91	4.32	0.00	148.0
8.100	11.35	5.19	10.04	5.98	0.00	207.7
8.200	5.55	6.50	4.87	7.41	0.00	194.9
8.300	3.99	7.57	3.48	8.59	0.00	139.2
8.400	3.35	8.37	2.90	9.47	0.00	116.1
8.500	3.22	8.75	2.79	9.88	0.00	111.6
8.600	3.34	8.42	2.89	9.51	0.00	115.7
8.700	3.94	7.64	3.43	8.66	0.00	137.4
8.800	5.44	6.58	4.76	7.51	0.00	190.6
8.900	10.82	5.28	9.56	6.08	0.00	211.3
9.000	22.08	3.77	19.68	4.40	0.00	150.9
9.000	22.08	3.77	19.68	4.40	0.00	150.9
9.100	11.33	5.26	10.02	6.06	0.00	210.6
9.200	5.57	6.54	4.89	7.46	0.00	195.5
9.300	4.03	7.56	3.52	8.58	0.00	140.8
9.400	3.40	8.25	2.96	9.34	0.00	118.4
9.500	3.47	8.00	2.45	9.70	0.00	98.2
9.600	3.55	7.68	3.09	8.70	0.00	123.7
9.700	4.45	6.76	3.89	7.70	0.00	155.8
9.800	6.71	5.68	5.91	6.51	0.00	227.4
9.900	15.39	4.27	13.66	4.94	0.00	170.8
10.000	27.17	2.85	24.33	3.36	0.00	114.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	31.62	2.85	24.33	4.14	0.00	114.1
10.100	13.02	5.55	11.51	6.41	0.00	222.0
10.200	6.15	7.05	5.38	8.06	0.00	215.3
10.300	4.21	8.53	3.66	9.68	0.00	146.5
10.400	3.33	10.36	2.88	11.70	0.00	115.1
10.500	2.97	12.72	2.56	14.33	0.00	102.2
10.600	2.88	16.02	2.47	18.03	0.00	98.9
10.700	3.05	21.20	2.62	23.89	0.00	104.9
10.800	3.74	31.11	3.23	35.13	0.00	129.3
10.900	6.42	59.87	5.58	67.91	0.00	223.1
11.000	999.00	999.00	999.00	999.00	0.00	999.0

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.7	7.6	25.15	0.00	19.35	0.00
1.100	0.5	5.7	21.26	0.00	16.35	0.00
1.200	0.4	3.8	17.53	0.00	13.48	0.00
1.300	0.2	1.9	14.01	0.00	10.78	0.00
1.400	0.0	-0.1	-11.04	0.00	-8.49	0.00
1.500	-0.2	-2.0	-13.47	0.00	-10.36	0.00
1.600	-0.4	-3.9	-15.76	0.00	-12.12	0.00
1.700	-0.5	-5.8	-18.58	0.00	-14.30	0.00
1.800	-0.7	-7.8	-21.71	0.00	-16.70	0.00
1.900	-0.9	-9.7	-24.64	0.00	-18.96	0.00
2.000	-1.1	-11.6	-27.33	0.00	-21.02	0.00
2.000	0.8	-11.6	26.82	0.00	20.63	0.00
2.100	0.7	8.2	23.53	0.00	18.10	0.00
2.200	0.5	6.3	20.12	0.00	15.47	0.00
2.300	0.4	4.4	16.82	0.00	12.94	0.00
2.400	0.2	2.4	14.27	0.00	10.98	0.00
2.500	0.1	0.5	11.67	0.00	8.98	0.00
2.600	-0.1	-1.5	-13.41	0.00	-10.31	0.00
2.700	-0.2	-3.4	-16.46	0.00	-12.66	0.00
2.800	-0.4	-5.3	-19.66	0.00	-15.12	0.00
2.900	-0.6	-7.2	-22.87	0.00	-17.59	0.00
3.000	-0.7	-9.1	-25.93	0.00	-19.95	0.00
3.000	0.8	9.5	25.91	0.00	19.93	0.00
3.100	0.6	7.6	22.88	0.00	17.60	0.00
3.200	0.4	5.6	19.69	0.00	15.15	0.00
3.300	0.3	3.7	16.50	0.00	12.69	0.00
3.400	0.1	1.8	13.45	0.00	10.35	0.00
3.500	0.0	-0.1	-10.98	0.00	-8.45	0.00
3.600	-0.2	-2.1	-13.45	0.00	-10.35	0.00
3.700	-0.3	-4.0	-16.50	0.00	-12.69	0.00
3.800	-0.5	-5.9	-19.69	0.00	-15.15	0.00
3.900	-0.6	-7.8	-22.90	0.00	-17.62	0.00
4.000	-0.8	-9.7	-25.96	0.00	-19.97	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.8	-9.7	25.97	0.00	19.97	0.00
4.100	0.6	7.7	22.91	0.00	17.62	0.00
4.200	0.5	5.8	19.70	0.00	15.16	0.00
4.300	0.3	3.9	16.50	0.00	12.70	0.00
4.400	0.2	2.0	13.45	0.00	10.35	0.00
4.500	0.0	0.1	10.99	0.00	8.45	0.00
4.600	-0.1	-1.9	-13.45	0.00	-10.35	0.00
4.700	-0.3	-3.8	-16.50	0.00	-12.69	0.00
4.800	-0.5	-5.7	-19.69	0.00	-15.15	0.00
4.900	-0.6	-7.7	-22.90	0.00	-17.62	0.00
5.000	-0.8	-9.6	-25.96	0.00	-19.97	0.00
5.000	0.8	9.6	25.96	0.00	19.97	0.00
5.100	0.6	7.7	22.91	0.00	17.62	0.00
5.200	0.5	5.8	19.70	0.00	15.15	0.00
5.300	0.3	3.8	16.50	0.00	12.69	0.00
5.400	0.1	1.9	13.45	0.00	10.35	0.00
5.500	0.0	0.0	10.99	0.00	8.45	0.00
5.600	-0.2	-2.0	-13.45	0.00	-10.35	0.00
5.700	-0.3	-3.9	-16.50	0.00	-12.69	0.00
5.800	-0.5	-5.8	-19.70	0.00	-15.15	0.00
5.900	-0.6	-7.7	-22.90	0.00	-17.62	0.00
6.000	-0.8	-9.6	-25.96	0.00	-19.97	0.00
6.000	0.8	9.6	25.96	0.00	19.97	0.00
6.100	0.6	7.7	22.90	0.00	17.62	0.00
6.200	0.5	5.8	19.70	0.00	15.15	0.00
6.300	0.3	3.9	16.50	0.00	12.69	0.00
6.400	0.2	2.0	13.45	0.00	10.35	0.00
6.500	0.0	0.0	10.99	0.00	8.45	0.00
6.600	-0.1	-1.9	-13.45	0.00	-10.35	0.00
6.700	-0.3	-3.8	-16.50	0.00	-12.69	0.00
6.800	-0.5	-5.8	-19.70	0.00	-15.15	0.00
6.900	-0.6	-7.7	-22.91	0.00	-17.62	0.00
7.000	-0.8	-9.6	-25.96	0.00	-19.97	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
7.000	0.8	-9.6	25.96	0.00	19.97	0.00
7.100	0.6	7.7	22.90	0.00	17.62	0.00
7.200	0.5	5.7	19.69	0.00	15.15	0.00
7.300	0.3	3.8	16.50	0.00	12.69	0.00
7.400	0.1	1.9	13.45	0.00	10.35	0.00
7.500	0.0	0.0	-10.99	0.00	8.45	0.00
7.600	-0.2	-2.0	-13.45	0.00	-10.35	0.00
7.700	-0.3	-3.9	-16.50	0.00	-12.70	0.00
7.800	-0.5	-5.8	-19.70	0.00	-15.16	0.00
7.900	-0.6	-7.7	-22.91	0.00	-17.62	0.00
8.000	-0.8	-9.6	-25.97	0.00	-19.97	0.00
8.000	0.8	9.7	25.96	0.00	19.97	0.00
8.100	0.6	7.8	22.90	0.00	17.62	0.00
8.200	0.5	5.9	19.69	0.00	15.15	0.00
8.300	0.3	4.0	16.50	0.00	12.69	0.00
8.400	0.2	2.1	13.45	0.00	10.35	0.00
8.500	0.0	0.2	10.98	0.00	8.45	0.00
8.600	-0.1	-1.8	-13.45	0.00	-10.35	0.00
8.700	-0.3	-3.7	-16.50	0.00	-12.69	0.00
8.800	-0.4	-5.6	-19.69	0.00	-15.15	0.00
8.900	-0.6	-7.6	-22.88	0.00	-17.60	0.00
9.000	-0.8	-9.5	-25.91	0.00	-19.93	0.00
9.000	0.7	-9.5	25.93	0.00	19.95	0.00
9.100	0.6	7.2	22.87	0.00	17.59	0.00
9.200	0.4	5.3	19.65	0.00	15.12	0.00
9.300	0.2	3.4	16.45	0.00	12.66	0.00
9.400	0.1	1.5	13.40	0.00	10.31	0.00
9.500	-0.1	-0.5	-11.66	0.00	-8.97	0.00
9.600	-0.2	-2.4	-13.88	0.00	-10.68	0.00
9.700	-0.4	-4.3	-16.82	0.00	-12.94	0.00
9.800	-0.5	-6.3	-20.12	0.00	-15.48	0.00
9.900	-0.7	-8.2	-23.53	0.00	-18.10	0.00
10.000	-0.8	-10.1	-26.68	0.00	-20.52	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
10.000	1.1	11.6	27.32	0.00	21.02	0.00
10.100	0.9	9.7	24.64	0.00	18.95	0.00
10.200	0.7	7.8	21.70	0.00	16.69	0.00
10.300	0.5	5.8	18.57	0.00	14.29	0.00
10.400	0.4	3.9	15.74	0.00	12.11	0.00
10.500	0.2	2.0	13.46	0.00	10.35	0.00
10.600	0.0	0.1	11.03	0.00	8.49	0.00
10.700	-0.2	-1.9	-14.02	0.00	-10.78	0.00
10.800	-0.4	-3.8	-17.53	0.00	-13.49	0.00
10.900	-0.5	-5.7	-21.26	0.00	-16.36	0.00
11.000	-0.7	-7.6	-25.16	0.00	-19.35	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	171.7	-140.4	123.8
1.100	171.7	-138.4	125.9
1.200	171.7	-136.3	128.0
1.300	171.7	-134.2	130.0
1.400	171.7	-132.1	132.1
1.500	171.7	-130.0	134.2
1.600	171.7	-127.8	136.4
1.700	171.7	-125.7	138.5
1.800	171.7	-123.6	140.6
1.900	171.7	-121.5	142.7
2.000	171.7	-119.5	144.8
2.000	151.4	-119.5	105.5
2.100	151.4	-125.3	107.6
2.200	151.4	-123.2	109.6
2.300	151.4	-121.2	111.7
2.400	151.4	-119.1	113.8
2.500	151.4	-117.0	115.8
2.600	151.4	-114.9	118.0
2.700	151.4	-112.8	120.0
2.800	151.4	-110.8	122.1
2.900	151.4	-108.7	124.2
3.000	151.4	-106.6	117.1
3.000	151.4	-106.6	106.2
3.100	151.4	-124.6	108.3
3.200	151.4	-122.5	110.3
3.300	151.4	-120.4	112.4
3.400	151.4	-118.4	114.5
3.500	151.4	-116.3	116.5
3.600	151.4	-114.2	118.7
3.700	151.4	-112.1	120.7
3.800	151.4	-110.0	122.8
3.900	151.4	-108.0	124.9
4.000	151.4	-105.9	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.4	-105.9	106.0
4.100	151.4	-124.8	108.1
4.200	151.4	-122.7	110.2
4.300	151.4	-120.6	112.2
4.400	151.4	-118.6	114.3
4.500	151.4	-116.5	116.4
4.600	151.4	-114.4	118.5
4.700	151.4	-112.3	120.6
4.800	151.4	-110.2	122.6
4.900	151.4	-108.2	124.7
5.000	151.4	-106.1	117.2
5.000	151.4	-106.1	106.1
5.100	151.4	-124.7	108.1
5.200	151.4	-122.6	110.2
5.300	151.4	-120.6	112.3
5.400	151.4	-118.5	114.3
5.500	151.4	-116.4	116.4
5.600	151.4	-114.3	118.5
5.700	151.4	-112.3	120.6
5.800	151.4	-110.2	122.7
5.900	151.4	-108.1	124.7
6.000	151.4	-106.1	117.2
6.000	151.4	-106.1	106.1
6.100	151.4	-124.7	108.1
6.200	151.4	-122.7	110.2
6.300	151.4	-120.6	112.3
6.400	151.4	-118.5	114.3
6.500	151.4	-116.5	116.4
6.600	151.4	-114.3	118.5
6.700	151.4	-112.3	120.6
6.800	151.4	-110.2	122.6
6.900	151.4	-108.1	124.7
7.000	151.4	-106.1	117.2

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.4	-106.1	106.1
7.100	151.4	-124.7	108.2
7.200	151.4	-122.6	110.2
7.300	151.4	-120.6	112.3
7.400	151.4	-118.5	114.4
7.500	151.4	-116.4	116.4
7.600	151.4	-114.3	118.6
7.700	151.4	-112.2	120.6
7.800	151.4	-110.2	122.7
7.900	151.4	-108.1	124.8
8.000	151.4	-106.0	117.2
8.000	151.4	-106.0	105.9
8.100	151.4	-124.9	108.0
8.200	151.4	-122.8	110.1
8.300	151.4	-120.7	112.1
8.400	151.4	-118.7	114.2
8.500	151.4	-116.6	116.2
8.600	151.4	-114.5	118.4
8.700	151.4	-112.4	120.4
8.800	151.4	-110.3	122.5
8.900	151.4	-108.3	124.6
9.000	151.4	-106.2	117.2
9.000	151.4	-106.2	106.6
9.100	151.4	-124.2	108.7
9.200	151.4	-122.1	110.8
9.300	151.4	-120.0	112.8
9.400	151.4	-118.0	114.9
9.500	151.4	-115.9	117.0
9.600	151.4	-113.8	119.1
9.700	151.4	-111.7	121.1
9.800	151.4	-109.6	123.2
9.900	151.4	-107.6	125.3
10.000	151.4	-105.5	117.3

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
10.000	171.7	-105.5	119.5
10.100	171.7	-142.7	121.5
10.200	171.7	-140.6	123.6
10.300	171.7	-138.5	125.7
10.400	171.7	-136.4	127.8
10.500	171.7	-134.3	129.9
10.600	171.7	-132.1	132.1
10.700	171.7	-130.0	134.2
10.800	171.7	-127.9	136.3
10.900	171.7	-125.9	138.4
11.000	171.7	-123.8	132.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	67.91	4.92	0.00	196.8
1.100	37.41	5.92	0.00	236.8
1.200	23.95	7.30	0.00	292.0
1.300	15.87	9.28	0.00	371.4
1.400	11.96	12.11	0.00	478.5
1.500	9.65	16.03	0.00	386.0
1.600	8.11	21.78	0.00	324.5
1.700	6.77	32.26	0.00	270.6
1.800	5.70	55.84	0.00	227.8
1.900	4.93	142.70	0.00	197.3
2.000	4.37	277.36	0.00	174.8
2.000	4.37	3.93	0.00	157.3
2.100	39.61	4.57	0.00	182.9
2.200	25.99	5.45	0.00	218.0
2.300	18.41	6.64	0.00	265.7
2.400	13.75	7.97	0.00	318.9
2.500	10.70	9.93	0.00	397.1
2.600	8.57	12.48	0.00	342.8
2.700	6.86	16.42	0.00	274.2
2.800	5.64	23.08	0.00	225.4
2.900	4.75	35.33	0.00	190.1
3.000	4.11	40.01	0.00	164.5
3.000	4.11	4.10	0.00	164.0
3.100	39.20	4.73	0.00	189.3
3.200	25.71	5.60	0.00	224.2
3.300	18.19	6.81	0.00	272.5
3.400	13.59	8.51	0.00	340.4
3.500	10.59	10.64	0.00	423.7
3.600	8.49	13.66	0.00	339.5
3.700	6.80	18.28	0.00	271.8
3.800	5.59	25.83	0.00	223.5
3.900	4.72	39.46	0.00	188.6
4.000	4.08	51.70	0.00	163.2

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.08	4.08	0.00	163.2
4.100	39.26	4.72	0.00	188.7
4.200	25.74	5.59	0.00	223.7
4.300	18.22	6.80	0.00	272.0
4.400	13.61	8.49	0.00	339.8
4.500	10.61	10.59	0.00	423.7
4.600	8.50	13.61	0.00	340.1
4.700	6.81	18.22	0.00	272.3
4.800	5.60	25.79	0.00	223.9
4.900	4.72	39.42	0.00	188.9
5.000	4.09	48.39	0.00	163.5
5.000	4.09	4.09	0.00	163.4
5.100	39.26	4.72	0.00	188.9
5.200	25.73	5.59	0.00	223.8
5.300	18.20	6.80	0.00	272.2
5.400	13.60	8.50	0.00	340.0
5.500	10.60	10.60	0.00	423.8
5.600	8.50	13.61	0.00	339.9
5.700	6.80	18.21	0.00	272.1
5.800	5.59	25.74	0.00	223.8
5.900	4.72	39.27	0.00	188.8
6.000	4.09	48.33	0.00	163.4
6.000	4.09	4.09	0.00	163.4
6.100	39.27	4.72	0.00	188.8
6.200	25.74	5.59	0.00	223.8
6.300	18.21	6.80	0.00	272.1
6.400	13.61	8.50	0.00	339.9
6.500	10.60	10.60	0.00	423.8
6.600	8.50	13.60	0.00	340.0
6.700	6.80	18.20	0.00	272.2
6.800	5.59	25.73	0.00	223.8
6.900	4.72	39.26	0.00	188.9
7.000	4.09	48.33	0.00	163.4

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.09	4.09	0.00	163.4
7.100	39.42	4.72	0.00	188.9
7.200	25.79	5.60	0.00	223.9
7.300	18.22	6.81	0.00	272.3
7.400	13.61	8.50	0.00	340.1
7.500	10.60	10.60	0.00	423.9
7.600	8.49	13.61	0.00	339.8
7.700	6.80	18.22	0.00	272.0
7.800	5.59	25.74	0.00	223.7
7.900	4.72	39.26	0.00	188.7
8.000	4.08	48.31	0.00	163.3
8.000	4.08	4.08	0.00	163.2
8.100	39.47	4.72	0.00	188.6
8.200	25.84	5.59	0.00	223.5
8.300	18.28	6.80	0.00	271.9
8.400	13.66	8.49	0.00	339.6
8.500	10.65	10.59	0.00	423.4
8.600	8.51	13.59	0.00	340.4
8.700	6.81	18.19	0.00	272.5
8.800	5.60	25.71	0.00	224.1
8.900	4.73	39.20	0.00	189.3
9.000	4.10	48.30	0.00	164.0
9.000	4.10	4.11	0.00	164.0
9.100	35.48	4.75	0.00	190.1
9.200	23.14	5.64	0.00	225.4
9.300	16.45	6.86	0.00	274.3
9.400	12.49	8.57	0.00	342.8
9.500	9.94	10.70	0.00	397.5
9.600	8.20	13.75	0.00	327.8
9.700	6.64	18.41	0.00	265.6
9.800	5.45	26.00	0.00	218.0
9.900	4.57	39.59	0.00	182.9
10.000	3.95	48.31	0.00	158.2

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
10.000	3.95	4.37	0.00	158.2
10.100	142.50	4.93	0.00	197.3
10.200	55.76	5.70	0.00	227.9
10.300	32.21	6.77	0.00	270.8
10.400	21.75	8.12	0.00	324.7
10.500	16.01	9.65	0.00	386.2
10.600	12.10	11.97	0.00	478.9
10.700	9.28	15.88	0.00	371.0
10.800	7.30	23.95	0.00	291.9
10.900	5.92	37.40	0.00	236.7
11.000	4.92	999.00	0.00	196.8

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity				Available Capacity for LL+I			
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000 27.3	327.3	327.3	-327.3	-327.3	327.3	327.3	-327.3	-3
1.100 45.5	327.3	327.3	-327.3	-327.3	309.0	309.0	-345.5	-3
1.200 58.5	327.3	327.3	-327.3	-327.3	296.0	296.0	-358.5	-3
1.300 66.3	327.3	327.3	-327.3	-327.3	288.3	288.3	-366.3	-3
1.400 68.8	327.3	327.3	-327.3	-327.3	285.7	285.7	-368.8	-3
1.500 28.1	319.4	289.3	-319.4	-289.3	280.6	250.4	-358.2	-3
1.600 58.0	327.3	327.3	-327.3	-327.3	296.5	296.5	-358.0	-3
1.700 44.7	327.3	327.3	-327.3	-327.3	309.8	309.8	-344.7	-3
1.800 26.2	327.3	327.3	-327.3	-327.3	328.4	328.4	-326.2	-3
1.900 02.4	327.3	327.3	-327.3	-327.3	352.2	352.2	-302.4	-3
2.000 73.4	327.3	327.3	-327.3	-327.3	381.2	381.2	-273.4	-2
2.000 20.7	274.6	274.6	-274.6	-274.6	328.5	328.6	-220.7	-2
2.100 45.4	274.6	274.6	-274.6	-274.6	303.8	303.8	-245.4	-2
2.200 65.0	274.6	274.6	-274.6	-274.6	284.3	284.3	-265.0	-2
2.300 79.4	274.6	274.6	-274.6	-274.6	269.9	269.9	-279.4	-2
2.400 88.6	274.6	274.6	-274.6	-274.6	260.7	260.7	-288.6	-2
2.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.5	-2
2.600 91.4	274.6	274.6	-274.6	-274.6	257.9	257.9	-291.4	-2
2.700 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
2.800 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
2.900 56.6	274.6	274.6	-274.6	-274.6	292.6	292.6	-256.6	-2

3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.000	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
34.7								
3.100	274.6	274.6	-274.6	-274.6	291.6	291.6	-257.6	-2
57.7								
3.200	274.6	274.6	-274.6	-274.6	273.8	273.8	-275.4	-2
75.4								
3.300	274.6	274.6	-274.6	-274.6	261.2	261.2	-288.1	-2
88.1								
3.400	274.6	274.6	-274.6	-274.6	253.8	253.8	-295.5	-2
95.5								
3.500	274.6	274.6	-274.6	-274.6	251.5	251.5	-297.8	-2
97.8								
3.600	274.6	274.6	-274.6	-274.6	254.5	254.5	-294.8	-2
94.8								
3.700	274.6	274.6	-274.6	-274.6	262.7	262.7	-286.6	-2
86.6								
3.800	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.2	-2
73.2								
3.900	274.6	274.6	-274.6	-274.6	294.6	294.6	-254.7	-2
54.7								
4.000	274.6	274.6	-274.6	-274.6	318.3	318.3	-231.0	-2
31.0								

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
4.000 31.0	274.6	274.6	318.3	318.3
4.100 54.4	274.6	274.6	294.9	294.9
4.200 72.6	274.6	274.6	276.6	276.7
4.300 85.7	274.6	274.6	263.6	263.6
4.400 93.6	274.6	274.6	255.6	255.7
4.500 58.7	266.5	236.9	244.8	215.2
4.600 93.8	274.6	274.6	255.5	255.5
4.700 86.1	274.6	274.6	263.2	263.2
4.800 73.2	274.6	274.6	276.1	276.1
4.900 55.1	274.6	274.6	294.1	294.1
5.000 31.9	274.6	274.6	317.4	317.4
5.000 31.9	274.6	274.6	317.4	317.4
5.100 55.2	274.6	274.6	294.1	294.1
5.200 73.3	274.6	274.6	276.0	276.0
5.300 86.3	274.6	274.6	263.0	263.0
5.400 94.1	274.6	274.6	255.2	255.2
5.500 59.0	266.5	236.9	244.5	214.9
5.600 94.0	274.6	274.6	255.3	255.3
5.700 86.1	274.6	274.6	263.1	263.1
5.800 73.1	274.6	274.6	276.1	276.1
5.900 54.9	274.6	274.6	294.3	294.3

6.000	274.6	274.6	-274.6	-274.6	317.7	317.7	-231.6	-2
31.6								
6.000	274.6	274.6	-274.6	-274.6	317.7	317.7	-231.6	-2
31.6								
6.100	274.6	274.6	-274.6	-274.6	294.3	294.3	-254.9	-2
54.9								
6.200	274.6	274.6	-274.6	-274.6	276.1	276.1	-273.1	-2
73.1								
6.300	274.6	274.6	-274.6	-274.6	263.1	263.1	-286.1	-2
86.1								
6.400	274.6	274.6	-274.6	-274.6	255.3	255.3	-294.0	-2
94.0								
6.500	266.5	236.9	-266.5	-236.9	244.5	214.9	-288.6	-2
59.0								
6.600	274.6	274.6	-274.6	-274.6	255.2	255.2	-294.1	-2
94.1								
6.700	274.6	274.6	-274.6	-274.6	263.0	263.0	-286.3	-2
86.3								
6.800	274.6	274.6	-274.6	-274.6	276.0	276.0	-273.3	-2
73.3								
6.900	274.6	274.6	-274.6	-274.6	294.1	294.1	-255.2	-2
55.2								
7.000	274.6	274.6	-274.6	-274.6	317.4	317.4	-231.9	-2
31.9								

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S05

Rating Type:

OPER.

Rating Live Load:

5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I	
	Positive Bending Top	Negative Bending Bott.	Positive Bending Top	Negative Bending Bott.
7.000	274.6	274.6	317.4	317.4
31.9				
7.100	274.6	274.6	294.1	294.1
55.1				
7.200	274.6	274.6	276.1	276.1
73.2				
7.300	274.6	274.6	263.2	263.2
86.1				
7.400	274.6	274.6	255.5	255.5
93.8				
7.500	266.5	236.9	244.8	215.2
58.7				
7.600	274.6	274.6	255.6	255.6
93.6				
7.700	274.6	274.6	263.6	263.6
85.7				
7.800	274.6	274.6	276.6	276.6
72.6				
7.900	274.6	274.6	294.9	294.9
54.4				
8.000	274.6	274.6	318.3	318.3
31.0				
8.000	274.6	274.6	318.3	318.3
31.0				
8.100	274.6	274.6	294.6	294.6
54.7				
8.200	274.6	274.6	276.1	276.1
73.2				
8.300	274.6	274.6	262.7	262.7
86.6				
8.400	274.6	274.6	254.5	254.5
94.8				
8.500	274.6	274.6	251.5	251.5
97.8				
8.600	274.6	274.6	253.8	253.8
95.5				
8.700	274.6	274.6	261.2	261.2
88.0				
8.800	274.6	274.6	273.8	273.9
75.4				
8.900	274.6	274.6	291.6	291.6
57.6				

9.000 34.7	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
9.000 34.7	274.6	274.6	-274.6	-274.6	314.6	314.6	-234.7	-2
9.100 56.6	274.6	274.6	-274.6	-274.6	292.7	292.7	-256.6	-2
9.200 73.4	274.6	274.6	-274.6	-274.6	275.9	275.9	-273.4	-2
9.300 85.0	274.6	274.6	-274.6	-274.6	264.3	264.3	-285.0	-2
9.400 91.4	274.6	274.6	-274.6	-274.6	257.8	257.9	-291.4	-2
9.500 55.0	266.5	236.9	-266.5	-236.9	248.5	218.9	-284.6	-2
9.600 88.7	274.6	274.6	-274.6	-274.6	260.6	260.6	-288.6	-2
9.700 79.4	274.6	274.6	-274.6	-274.6	269.8	269.8	-279.4	-2
9.800 65.1	274.6	274.6	-274.6	-274.6	284.2	284.2	-265.1	-2
9.900 45.5	274.6	274.6	-274.6	-274.6	303.7	303.7	-245.5	-2
10.000 20.8	274.6	274.6	-274.6	-274.6	328.4	328.4	-220.8	-2

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	5.82	62.22	5.82	62.22	0.00	232.6
1.200	3.38	32.28	3.38	32.28	0.00	135.1
1.300	2.74	21.99	2.74	21.99	0.00	109.8
1.400	2.59	16.60	2.59	16.60	0.00	103.6
1.500	2.60	12.90	2.32	11.82	0.00	93.0
1.600	3.01	10.75	3.01	10.75	0.00	120.4
1.700	3.83	8.87	3.83	8.87	0.00	153.1
1.800	5.61	7.34	5.61	7.34	0.00	224.6
1.900	11.98	5.79	11.98	5.79	0.00	231.6
2.000	29.21	3.70	29.21	3.70	0.00	148.0
2.000	25.18	2.99	25.18	2.99	0.00	119.5
2.100	14.13	4.44	14.13	4.44	0.00	177.6
2.200	6.13	5.90	6.13	5.90	0.00	235.9
2.300	4.05	7.01	4.05	7.01	0.00	162.0
2.400	3.22	7.94	3.22	7.94	0.00	128.9
2.500	2.91	8.28	2.56	7.42	0.00	102.5
2.600	3.09	8.56	3.09	8.56	0.00	123.4
2.700	3.66	7.84	3.67	7.84	0.00	146.6
2.800	5.08	6.80	5.08	6.80	0.00	203.3
2.900	10.39	5.49	10.39	5.49	0.00	219.7
3.000	20.26	3.95	20.26	3.95	0.00	158.1
3.000	20.26	3.95	20.26	3.95	0.00	158.1
3.100	9.90	5.51	9.90	5.51	0.00	220.3
3.200	4.95	6.84	4.95	6.84	0.00	198.1
3.300	3.58	7.93	3.58	7.93	0.00	143.1
3.400	3.02	8.73	3.02	8.73	0.00	120.7
3.500	2.91	9.07	2.91	9.07	0.00	116.5
3.600	3.03	8.68	3.03	8.69	0.00	121.2
3.700	3.62	7.86	3.63	7.86	0.00	145.0
3.800	5.07	6.76	5.07	6.76	0.00	202.6
3.900	10.41	5.42	10.41	5.42	0.00	216.7
4.000	24.74	3.88	24.74	3.88	0.00	155.1

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	24.74	3.88	24.74	3.88	0.00	155.1
4.100	10.52	5.45	10.52	5.45	0.00	217.8
4.200	5.10	6.78	5.10	6.78	0.00	204.0
4.300	3.65	7.88	3.65	7.88	0.00	146.1
4.400	3.05	8.69	3.05	8.69	0.00	122.0
4.500	2.85	8.81	2.51	7.91	0.00	100.3
4.600	3.05	8.68	3.05	8.68	0.00	121.9
4.700	3.64	7.86	3.64	7.86	0.00	145.7
4.800	5.08	6.77	5.08	6.77	0.00	203.2
4.900	10.44	5.43	10.44	5.43	0.00	217.3
5.000	24.69	3.89	24.69	3.89	0.00	155.5
5.000	24.69	3.89	24.69	3.89	0.00	155.5
5.100	10.45	5.44	10.45	5.44	0.00	217.5
5.200	5.08	6.78	5.08	6.78	0.00	203.2
5.300	3.64	7.87	3.64	7.87	0.00	145.7
5.400	3.04	8.68	3.04	8.68	0.00	121.8
5.500	2.85	8.81	2.50	7.90	0.00	100.2
5.600	3.05	8.68	3.05	8.68	0.00	121.8
5.700	3.64	7.86	3.64	7.86	0.00	145.7
5.800	5.08	6.77	5.08	6.77	0.00	203.3
5.900	10.44	5.43	10.44	5.43	0.00	217.2
6.000	24.72	3.88	24.72	3.88	0.00	155.3
6.000	24.72	3.88	24.72	3.88	0.00	155.3
6.100	10.44	5.43	10.44	5.43	0.00	217.2
6.200	5.08	6.77	5.08	6.77	0.00	203.3
6.300	3.64	7.86	3.64	7.86	0.00	145.7
6.400	3.05	8.68	3.05	8.68	0.00	121.8
6.500	2.85	8.81	2.50	7.90	0.00	100.2
6.600	3.04	8.68	3.04	8.68	0.00	121.8
6.700	3.64	7.87	3.64	7.87	0.00	145.7
6.800	5.08	6.78	5.08	6.78	0.00	203.2
6.900	10.45	5.44	10.45	5.44	0.00	217.5
7.000	24.69	3.89	24.69	3.89	0.00	155.5

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	24.69	3.89	24.69	3.89	0.00	155.5
7.100	10.44	5.43	10.44	5.43	0.00	217.3
7.200	5.08	6.77	5.08	6.77	0.00	203.2
7.300	3.64	7.86	3.64	7.86	0.00	145.7
7.400	3.05	8.68	3.05	8.68	0.00	121.9
7.500	2.85	8.81	2.51	7.91	0.00	100.3
7.600	3.05	8.69	3.05	8.69	0.00	122.0
7.700	3.65	7.88	3.65	7.88	0.00	146.1
7.800	5.10	6.78	5.10	6.78	0.00	204.1
7.900	10.52	5.45	10.52	5.45	0.00	217.8
8.000	24.74	3.88	24.74	3.88	0.00	155.1
8.000	24.74	3.88	24.74	3.88	0.00	155.1
8.100	10.41	5.42	10.41	5.42	0.00	216.7
8.200	5.07	6.76	5.07	6.76	0.00	202.6
8.300	3.62	7.86	3.63	7.86	0.00	145.0
8.400	3.03	8.69	3.03	8.69	0.00	121.2
8.500	2.91	9.07	2.91	9.07	0.00	116.5
8.600	3.02	8.73	3.02	8.73	0.00	120.8
8.700	3.58	7.93	3.58	7.93	0.00	143.2
8.800	4.96	6.85	4.96	6.85	0.00	198.2
8.900	9.91	5.51	9.91	5.51	0.00	220.3
9.000	20.36	3.95	20.36	3.95	0.00	158.0
9.000	20.36	3.95	20.36	3.95	0.00	158.0
9.100	10.39	5.49	10.39	5.49	0.00	219.6
9.200	5.08	6.80	5.08	6.80	0.00	203.3
9.300	3.67	7.85	3.67	7.85	0.00	146.6
9.400	3.09	8.56	3.09	8.56	0.00	123.4
9.500	2.91	8.30	2.56	7.43	0.00	102.5
9.600	3.22	7.97	3.22	7.97	0.00	129.0
9.700	4.05	7.03	4.05	7.03	0.00	162.1
9.800	6.14	5.92	6.14	5.92	0.00	236.8
9.900	14.15	4.46	14.15	4.46	0.00	178.4
10.000	25.14	2.99	25.14	2.99	0.00	119.8

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S05

Rating Type: OPER.
Rating Live Load: 5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
10.000	25.14	2.99	25.14	2.99	0.00	119.8
10.100	11.93	5.79	11.93	5.79	0.00	231.7
10.200	5.60	7.33	5.60	7.33	0.00	223.9
10.300	3.82	8.86	3.82	8.86	0.00	152.7
10.400	3.00	10.73	3.00	10.73	0.00	120.2
10.500	2.67	13.17	2.67	13.17	0.00	106.9
10.600	2.59	16.58	2.59	16.58	0.00	103.5
10.700	2.74	21.96	2.74	21.96	0.00	109.7
10.800	3.38	32.24	3.38	32.24	0.00	135.1
10.900	5.81	62.13	5.81	62.13	0.00	232.5
11.000	999.00	999.00	999.00	999.00	0.00	999.0