

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 23.91

Comments:

Member I. D. B01 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	1.917	235.5	235.5	35.000	0.0
1	P	5.417	0.0	0.0	0.000	7.9
1	P	12.417	0.0	0.0	0.000	6.5
1	P	19.417	0.0	0.0	0.000	7.2
1	P	26.417	0.0	0.0	0.000	7.2
1	P	33.420	0.0	0.0	0.000	7.9

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	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
1.474 0	226.71	226.71	0.86	35.44	48790.0	16497.3	56771.8	1376.7	934.2	885.
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.

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	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
1.474	124.77	124.77	7.48	28.82	35673.1	16497.3	4766.2	1238.0	934.2	885.0
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5

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 23.91

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	119.1	119.1	33.330	0.0
1	P	5.417	0.0	0.0	0.000	22.6
1	P	12.417	0.0	0.0	0.000	18.6
1	P	19.417	0.0	0.0	0.000	20.6
1	P	26.417	0.0	0.0	0.000	20.6
1	P	33.420	0.0	0.0	0.000	22.6

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 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 9	230.31	230.31	1.00	35.50	49684.6	17296.1	49511.6	1399.7	999.7	900.	
-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. 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	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	128.37	128.37	7.56	28.94	36291.4	17296.1	4803.1	1253.8	999.7	900.9
-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 23.91

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	119.1	119.1	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	15.9
1	P	19.417	0.0	0.0	0.000	17.6
1	P	26.417	0.0	0.0	0.000	17.6
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. B03

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus					
			Top	Bott.	+Bend	-Bend	+Bend		-Bend			
					Top	Bott.	Top	Bott.	Top	Bott.		
.												
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.		
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.		
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.		
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.		
1.474 6	227.01	227.01	0.91	35.39	49217.3	16617.2	53966.0	1390.8	936.4	895.		
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.		
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.		
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.		
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.		
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.		
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.		

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	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
1.474	125.07	125.07	7.56	28.74	35956.6	16617.2	4754.6	1251.2	936.4	895.6
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5

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 23.91

Comments:

Member I. D. B04 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	119.1	119.1	33.330	0.0
1	P	5.417	0.0	0.0	0.000	20.2
1	P	12.417	0.0	0.0	0.000	16.6
1	P	19.417	0.0	0.0	0.000	18.4
1	P	26.417	0.0	0.0	0.000	18.4
1	P	33.420	0.0	0.0	0.000	20.2

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. 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	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
1.474 8	227.71	227.71	1.01	35.29	49948.4	16803.2	49622.5	1415.2	939.2	912.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	

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	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
1.474	125.77	125.77	7.70	28.60	36428.9	16803.2	4730.9	1273.7	939.2	912.8
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5

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 23.91

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	119.1	119.1	33.330	0.0
1	P	5.417	0.0	0.0	0.000	19.9
1	P	12.417	0.0	0.0	0.000	16.4
1	P	19.417	0.0	0.0	0.000	18.1
1	P	26.417	0.0	0.0	0.000	18.1
1	P	33.420	0.0	0.0	0.000	19.9

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	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
1.474	126.27	126.27	7.81	28.49	36804.5	16954.0	4714.1	1291.7	941.6	926.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5

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 23.91

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	119.1	119.1	33.330	0.0
1	P	5.417	0.0	0.0	0.000	20.2
1	P	12.417	0.0	0.0	0.000	16.6
1	P	19.417	0.0	0.0	0.000	18.4
1	P	26.417	0.0	0.0	0.000	18.4
1	P	33.420	0.0	0.0	0.000	20.2

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 Inertia		Section Modulus						
			Top	Bott.	+Bend	-Bend	+Bend		-Bend				
					Top	Bott.	Top	Bott.	Top	Bott.			
.													
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.			
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.			
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.			
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.			
1.474 1	228.01	228.01	1.06	35.24	50378.0	16915.3	47475.0	1429.6	941.0	923.			
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.			
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.			
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.			
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.			
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.			
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.			

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	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
1.474	126.07	126.07	7.78	28.52	36707.9	16915.3	4718.4	1287.1	941.0	923.1
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5

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 23.91

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	119.1	119.1	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	15.9
1	P	19.417	0.0	0.0	0.000	17.6
1	P	26.417	0.0	0.0	0.000	17.6
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. 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	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
1.474 9	228.41	228.41	1.12	35.18	50824.1	17030.9	45467.1	1444.6	942.8	933.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.	
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.	

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	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
1.474	126.47	126.47	7.86	28.44	36996.9	17030.9	4705.7	1301.0	942.8	933.9
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5

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 23.91

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	119.1	119.1	33.330	0.0
1	P	5.417	0.0	0.0	0.000	22.6
1	P	12.417	0.0	0.0	0.000	18.6
1	P	19.417	0.0	0.0	0.000	20.6
1	P	26.417	0.0	0.0	0.000	20.6
1	P	33.420	0.0	0.0	0.000	22.6

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.

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 1	232.91	232.91	1.38	35.12	52710.6	18131.9	38158.0	1500.9	1013.8	974.
-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	130.97	130.97	8.10	28.40	38267.1	18131.9	4723.6	1347.5	1013.8	974.1
-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 23.91

Comments:

Member I. D. B09 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	1.917	235.5	235.5	35.000	0.0
1	P	5.417	0.0	0.0	0.000	7.9
1	P	12.417	0.0	0.0	0.000	6.5
1	P	19.417	0.0	0.0	0.000	7.2
1	P	26.417	0.0	0.0	0.000	7.2
1	P	33.420	0.0	0.0	0.000	7.9

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 Inertia		Section Modulus							
			Top	Bott.	+Bend	-Bend	+Bend		-Bend					
					Top	Bott.	Top	Bott.	Top	Bott.				
.														
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.				
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.				
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.				
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.				
1.474 8	227.21	227.21	0.95	35.35	49526.8	16712.8	52266.2	1400.9	938.5	903.				
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.				
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.				
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.				
-1.000 7	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.				
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.				
-1.000 5	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.				

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	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
1.474	125.27	125.27	7.62	28.68	36167.6	16712.8	4748.9	1260.9	938.5	903.8
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	17145.4	4693.3	1314.9	944.7	944.7
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5
-1.000	126.87	126.87	7.94	28.36	37284.2	23209.5	4693.3	1314.9	1553.8	1086.5

BRIDGE / MEMBER DATA

Structure I. D. HAM500

Material of Construction SS
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 8

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	
	23.917	23.917	23.917	23.917	23.917	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	23.917	23.917	23.917	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	23.917	1	0		0.0	0.0
2	1	23.917	1	0		0.0	0.0
3	1	23.917	1	0		0.0	0.0
4	1	23.917	1	0		0.0	0.0
5	1	23.917	1	0		0.0	0.0
6	1	23.917	1	0		0.0	0.0
7	1	23.917	1	0		0.0	0.0
8	1	23.917	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	23.917	0.0
1	P	11.958	0.0	0.0	0.000	0.1
2	W	0.000	765.0	765.0	23.917	0.0
2	P	11.958	0.0	0.0	0.000	0.1
3	W	0.000	765.0	765.0	23.917	0.0
3	P	11.958	0.0	0.0	0.000	0.1
4	W	0.000	765.0	765.0	23.917	0.0
4	P	11.958	0.0	0.0	0.000	0.1
5	W	0.000	765.0	765.0	23.917	0.0
5	P	11.958	0.0	0.0	0.000	0.1
6	W	0.000	765.0	765.0	23.917	0.0
6	P	11.958	0.0	0.0	0.000	0.1
7	W	0.000	765.0	765.0	23.917	0.0
7	P	11.958	0.0	0.0	0.000	0.1
8	W	0.000	765.0	765.0	23.917	0.0
8	P	11.958	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	20.99	19.76	0.40	0.0	0.0	33.
1.100	20.99	19.76	0.40	0.0	0.0	33.
1.200	20.99	19.76	0.40	0.0	0.0	33.
1.300	20.99	19.76	0.40	0.0	0.0	33.
1.400	20.99	19.76	0.40	0.0	0.0	33.
1.500	20.99	19.76	0.40	0.0	0.0	33.
1.600	20.99	19.76	0.40	0.0	0.0	33.
1.700	20.99	19.76	0.40	0.0	0.0	33.
1.800	20.99	19.76	0.40	0.0	0.0	33.
1.900	20.99	19.76	0.40	0.0	0.0	33.
2.000	20.99	19.76	0.40	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.

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	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
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.	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 Top	Bott.	-Bend 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

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	1.2	15.2	62.06 L	39.19	47.74	30.15
1.200	2.1	26.0	100.45 L	66.77	77.27	51.36
1.300	2.6	32.4	117.89 L	84.85	90.68	65.27
1.400	2.8	34.4	117.79 L	92.13	90.61	70.87
1.500	2.6	32.1	113.58 L	91.16	87.37	70.12
1.600	2.0	25.2	103.37 L	81.03	79.51	62.33
1.700	1.1	14.0	88.88 L	64.70	68.37	49.77
1.800	-0.2	-1.7	55.44 L	42.24	42.64	32.49
1.900	-1.8	-21.7	-53.85 R	-54.31	-41.42	-41.78
2.000	-3.8	-46.0	-100.91 L	-90.69	-77.62	-69.76
2.000	-3.8	-46.0	-100.91 L	-90.69	-77.62	-69.76
2.100	-2.1	-25.0	-67.67 R	-56.20	-52.06	-43.23
2.200	-0.7	-8.4	59.45 R	40.91	45.73	31.47
2.300	0.3	3.9	83.79 R	60.87	64.45	46.83
2.400	0.9	11.7	92.63 R	72.64	71.26	55.87
2.500	1.2	15.2	88.69 L	77.29	68.22	59.45
2.600	1.1	14.2	90.93 L	72.82	69.95	56.01
2.700	0.7	8.8	81.52 L	61.38	62.71	47.22
2.800	-0.1	-1.0	56.42 L	42.82	43.40	32.94
2.900	-1.3	-15.1	-54.60 L	-50.59	-42.00	-38.91
3.000	-2.8	-33.7	-95.40 L	-84.60	-73.38	-65.08
3.000	-2.8	-33.7	-95.40 L	-84.60	-73.38	-65.08
3.100	-1.2	-14.2	-55.60 R	-50.39	-42.77	-38.76
3.200	0.0	0.8	56.67 R	43.00	43.59	33.08
3.300	0.9	11.5	81.57 R	62.17	62.75	47.83
3.400	1.4	17.8	91.09 R	73.64	70.07	56.65
3.500	1.6	19.7	87.89 L	78.07	67.61	60.06
3.600	1.4	17.1	90.97 L	73.39	69.98	56.45
3.700	0.8	10.1	81.41 L	61.68	62.62	47.45
3.800	-0.1	-1.2	56.45 L	42.78	43.42	32.90
3.900	-1.4	-16.9	-54.66 L	-51.04	-42.05	-39.26
4.000	-3.0	-37.0	-95.00 L	-85.49	-73.08	-65.76

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	-3.0	-37.0	-95.00 L	-85.49	-73.08	-65.76
4.100	-1.4	-17.2	-54.73 R	-51.14	-42.10	-39.34
4.200	-0.2	-1.7	56.47 R	42.17	43.44	32.44
4.300	0.7	9.5	81.41 R	61.47	62.62	47.28
4.400	1.3	16.2	90.98 R	73.08	69.99	56.22
4.500	1.5	18.6	87.83 L	77.68	67.56	59.75
4.600	1.3	16.5	90.98 L	73.15	69.98	56.27
4.700	0.8	9.9	81.40 L	61.60	62.61	47.38
4.800	-0.1	-1.0	56.45 L	42.85	43.42	32.96
4.900	-1.3	-16.3	-54.67 L	-50.83	-42.05	-39.10
5.000	-2.9	-35.9	-94.97 R	-85.13	-73.06	-65.48
5.000	-2.9	-35.9	-94.97 R	-85.13	-73.06	-65.48
5.100	-1.3	-16.3	-54.67 R	-50.85	-42.05	-39.12
5.200	-0.1	-1.0	56.45 R	42.38	43.42	32.60
5.300	0.8	9.9	81.40 R	61.60	62.61	47.39
5.400	1.3	16.5	90.98 R	73.15	69.98	56.27
5.500	1.5	18.6	87.83 R	77.68	67.56	59.75
5.600	1.3	16.2	90.98 L	73.08	69.99	56.22
5.700	0.7	9.5	81.41 L	61.47	62.62	47.28
5.800	-0.2	-1.7	56.47 L	42.64	43.44	32.80
5.900	-1.4	-17.2	-54.73 L	-51.12	-42.10	-39.32
6.000	-3.0	-37.0	-94.99 L	-85.49	-73.07	-65.76
6.000	-3.0	-37.0	-94.99 L	-85.49	-73.07	-65.76
6.100	-1.4	-16.9	-54.66 R	-51.07	-42.05	-39.28
6.200	-0.1	-1.2	56.45 R	42.30	43.42	32.54
6.300	0.8	10.1	81.41 R	61.68	62.62	47.45
6.400	1.4	17.1	90.97 R	73.39	69.98	56.45
6.500	1.6	19.7	87.89 R	78.07	67.61	60.06
6.600	1.4	17.8	91.09 L	73.64	70.07	56.65
6.700	0.9	11.5	81.57 L	62.17	62.74	47.83
6.800	0.0	0.8	56.67 L	43.47	43.59	33.44
6.900	-1.2	-14.2	-55.60 L	-50.37	-42.77	-38.74
7.000	-2.8	-33.7	-95.28 L	-84.60	-73.29	-65.08

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	-2.8	-33.7	-95.28 L	-84.60	-73.29	-65.08
7.100	-1.3	-15.1	-54.60 R	-50.61	-42.00	-38.93
7.200	-0.1	-1.0	56.43 R	42.35	43.40	32.58
7.300	0.7	8.8	81.52 R	61.38	62.71	47.22
7.400	1.1	14.2	90.93 R	72.82	69.95	56.01
7.500	1.2	15.2	88.69 R	77.29	68.22	59.45
7.600	0.9	11.7	92.63 L	72.64	71.26	55.87
7.700	0.3	3.9	83.79 L	60.87	64.45	46.82
7.800	-0.7	-8.4	59.45 L	40.91	45.73	31.47
7.900	-2.1	-25.0	-67.67 L	-56.18	-52.05	-43.21
8.000	-3.8	-46.0	-100.87 R	-90.69	-77.59	-69.76
8.000	-3.8	-46.0	-100.87 R	-90.69	-77.59	-69.76
8.100	-1.8	-21.7	-53.85 L	-54.33	-41.42	-41.79
8.200	-0.2	-1.7	55.44 R	41.77	42.64	32.13
8.300	1.1	14.0	88.88 R	64.70	68.37	49.77
8.400	2.0	25.2	103.37 R	81.03	79.51	62.33
8.500	2.6	32.1	113.58 R	91.16	87.37	70.12
8.600	2.8	34.4	117.79 R	92.13	90.61	70.87
8.700	2.6	32.4	117.89 R	84.85	90.68	65.27
8.800	2.1	26.0	100.45 R	66.77	77.27	51.36
8.900	1.2	15.2	62.06 R	39.19	47.74	30.15
9.000	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	
. 4	1.000	180.4C	161.2	-161.2	-180.4C	180.4	161.2	-161.2	-180.
2	1.100	180.4C	161.2	-161.2	-180.4C	170.5	151.4	-171.0	-190.
2	1.200	180.4C	161.2	-161.2	-180.4C	163.6	144.4	-178.0	-197.
4	1.300	180.4C	161.2	-161.2	-180.4C	159.4	140.2	-182.2	-201.
7	1.400	180.4C	161.2	-161.2	-180.4C	158.1	138.9	-183.5	-202.
2	1.500	180.4C	161.2	-161.2	-180.4C	159.6	140.4	-182.0	-201.
7	1.600	180.4C	161.2	-161.2	-180.4C	164.1	144.9	-177.5	-196.
4	1.700	180.4C	161.2	-161.2	-180.4C	171.3	152.2	-170.2	-189.
3	1.800	180.4C	161.2	-161.2	-180.4C	181.5	162.3	-160.1	-179.
3	1.900	180.4C	161.2	-161.2	-180.4C	194.4	175.3	-147.1	-166.
5	2.000	180.4C	161.2	-161.2	-180.4C	210.3	191.1	-131.3	-150.
5	2.000	180.4C	161.2	-161.2	-180.4C	210.3	191.1	-131.3	-150.
1	2.100	180.4C	161.2	-161.2	-180.4C	196.6	177.4	-144.9	-164.
9	2.200	180.4C	161.2	-161.2	-180.4C	185.8	166.7	-155.7	-174.
9	2.300	180.4C	161.2	-161.2	-180.4C	177.9	158.7	-163.7	-182.
0	2.400	180.4C	161.2	-161.2	-180.4C	172.8	153.6	-168.8	-188.
2	2.500	180.4C	161.2	-161.2	-180.4C	170.5	151.3	-171.0	-190.
6	2.600	180.4C	161.2	-161.2	-180.4C	171.2	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	181.0	161.8	-160.5	-179.
5	2.900	180.4C	161.2	-161.2	-180.4C	190.2	171.0	-151.4	-170.

5	3.000	180.4C	161.2	-161.2	-180.4C	202.2	183.1	-139.3	-158.
5	3.000	180.4C	161.2	-161.2	-180.4C	202.2	183.1	-139.3	-158.
1	3.100	180.4C	161.2	-161.2	-180.4C	189.6	170.4	-151.9	-171.
9	3.200	180.4C	161.2	-161.2	-180.4C	179.9	160.7	-161.7	-180.
8	3.300	180.4C	161.2	-161.2	-180.4C	172.9	153.8	-168.6	-187.
9	3.400	180.4C	161.2	-161.2	-180.4C	168.9	149.7	-172.7	-191.
2	3.500	180.4C	161.2	-161.2	-180.4C	167.6	148.4	-174.0	-193.
5	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	154.6	-167.8	-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	191.4	172.2	-150.2	-169.
3	4.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.1	-156.

3	6.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.1	-156.
3	6.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.1	-156.
4	6.100	180.4C	161.2	-161.2	-180.4C	191.4	172.2	-150.2	-169.
6	6.200	180.4C	161.2	-161.2	-180.4C	181.2	162.0	-160.4	-179.
9	6.300	180.4C	161.2	-161.2	-180.4C	173.8	154.6	-167.8	-186.
5	6.400	180.4C	161.2	-161.2	-180.4C	169.3	150.1	-172.3	-191.
2	6.500	180.4C	161.2	-161.2	-180.4C	167.6	148.4	-174.0	-193.
9	6.600	180.4C	161.2	-161.2	-180.4C	168.9	149.7	-172.7	-191.
8	6.700	180.4C	161.2	-161.2	-180.4C	172.9	153.8	-168.6	-187.
9	6.800	180.4C	161.2	-161.2	-180.4C	179.9	160.7	-161.7	-180.
1	6.900	180.4C	161.2	-161.2	-180.4C	189.6	170.4	-151.9	-171.
5	7.000	180.4C	161.2	-161.2	-180.4C	202.2	183.1	-139.3	-158.

9.000 180.4C 161.2 -161.2 -180.4C 180.4 161.2 -161.2 -180.
4

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	
1.000	999.00	999.00	999.00	999.00	HS 999.00 999.0
1.100	2.75	32.92	2.44	36.61	HS 48.78 87.8
1.200	1.63	17.13	1.44	18.98	HS 28.74 51.7
1.300	1.35	11.69	1.19	12.92	HS 23.79 42.8
1.400	1.34	8.83	1.18	9.75	HS 23.58 42.4
1.500	1.40	7.01	1.24	7.74	HS 24.72 44.5
1.600	1.59	5.69	1.40	6.31	HS 28.03 50.5
1.700	1.93	4.68	1.71	5.21	HS 34.24 61.6
1.800	3.27	3.85	2.93	4.31	HS 58.55 105.4
1.900	9.44	2.71	8.51	3.06	HS 54.18 97.5
2.000	15.10	1.30	13.72	1.49	HS 26.03 46.8
2.000	15.10	1.30	13.72	1.49	HS 26.03 46.8
2.100	9.19	2.14	8.30	2.42	HS 42.84 77.1
2.200	3.13	2.78	2.80	3.13	HS 55.68 100.2
2.300	2.12	3.53	1.89	3.94	HS 37.88 68.2
2.400	1.87	4.57	1.66	5.09	HS 33.16 59.7
2.500	1.92	6.24	1.71	6.94	HS 34.13 61.4
2.600	1.88	6.12	1.67	6.81	HS 33.43 60.2
2.700	2.14	4.80	1.91	5.35	HS 38.15 68.7
2.800	3.21	3.84	2.87	4.30	HS 57.37 103.3
2.900	7.88	2.77	7.09	3.12	HS 55.45 99.8
3.000	10.07	1.46	9.12	1.66	HS 29.21 52.6
3.000	10.07	1.46	9.12	1.66	HS 29.21 52.6
3.100	7.61	2.73	6.84	3.08	HS 54.66 98.4
3.200	3.17	3.84	2.84	4.29	HS 56.71 102.1
3.300	2.12	4.82	1.88	5.37	HS 37.70 67.9
3.400	1.85	6.21	1.64	6.90	HS 32.86 59.1
3.500	1.91	8.23	1.69	9.14	HS 33.77 60.8
3.600	1.86	6.24	1.65	6.94	HS 33.00 59.4
3.700	2.13	4.84	1.90	5.39	HS 37.99 68.4
3.800	3.21	3.84	2.87	4.30	HS 57.39 103.3
3.900	8.08	2.75	7.27	3.10	HS 54.95 98.9
4.000	13.24	1.44	12.00	1.65	HS 28.87 52.0

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

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	13.24	1.44	12.00	1.65	HS 28.87	52.0
4.100	7.98	2.74	7.18	3.09	HS 54.83	98.7
4.200	3.21	3.83	2.87	4.29	HS 57.48	103.5
4.300	2.14	4.82	1.90	5.37	HS 38.10	68.6
4.400	1.87	6.22	1.66	6.91	HS 33.12	59.6
4.500	1.92	8.12	1.70	9.02	HS 33.96	61.1
4.600	1.87	6.23	1.65	6.92	HS 33.10	59.6
4.700	2.14	4.83	1.90	5.39	HS 38.03	68.5
4.800	3.21	3.84	2.87	4.30	HS 57.34	103.2
4.900	7.99	2.76	7.19	3.11	HS 55.11	99.2
5.000	12.98	1.45	11.76	1.65	HS 29.03	52.3
5.000	12.98	1.45	11.76	1.65	HS 29.03	52.3
5.100	7.86	2.76	7.07	3.11	HS 55.11	99.2
5.200	3.21	3.84	2.87	4.30	HS 57.34	103.2
5.300	2.14	4.83	1.90	5.39	HS 38.03	68.5
5.400	1.87	6.23	1.65	6.92	HS 33.10	59.6
5.500	1.92	8.12	1.70	9.02	HS 33.96	61.1
5.600	1.87	6.22	1.66	6.91	HS 33.12	59.6
5.700	2.14	4.82	1.90	5.37	HS 38.10	68.6
5.800	3.21	3.83	2.87	4.29	HS 57.48	103.5
5.900	8.11	2.74	7.30	3.09	HS 54.83	98.7
6.000	13.24	1.44	12.00	1.65	HS 28.88	52.0
6.000	13.24	1.44	12.00	1.65	HS 28.88	52.0
6.100	7.95	2.75	7.15	3.10	HS 54.95	98.9
6.200	3.21	3.84	2.87	4.30	HS 57.39	103.3
6.300	2.13	4.84	1.90	5.39	HS 37.99	68.4
6.400	1.86	6.24	1.65	6.94	HS 33.00	59.4
6.500	1.91	8.23	1.69	9.14	HS 33.77	60.8
6.600	1.85	6.21	1.64	6.90	HS 32.86	59.1
6.700	2.12	4.82	1.88	5.37	HS 37.70	67.9
6.800	3.17	3.84	2.84	4.29	HS 56.71	102.1
6.900	7.73	2.73	6.95	3.08	HS 54.66	98.4
7.000	10.07	1.46	9.12	1.66	HS 29.25	52.6

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		
7.000	10.07	1.46	9.12	1.66	HS 29.25	52.6
7.100	7.76	2.77	6.97	3.12	HS 55.44	99.8
7.200	3.21	3.84	2.87	4.30	HS 57.37	103.3
7.300	2.14	4.79	1.91	5.35	HS 38.15	68.7
7.400	1.88	6.12	1.67	6.81	HS 33.43	60.2
7.500	1.92	6.24	1.71	6.94	HS 34.13	61.4
7.600	1.87	4.57	1.66	5.09	HS 33.16	59.7
7.700	2.12	3.53	1.89	3.94	HS 37.88	68.2
7.800	3.13	2.78	2.80	3.13	HS 55.68	100.2
7.900	9.37	2.14	8.45	2.42	HS 42.84	77.1
8.000	15.10	1.30	13.72	1.49	HS 26.04	46.9
8.000	15.10	1.30	13.72	1.49	HS 26.04	46.9
8.100	9.27	2.71	8.35	3.06	HS 54.16	97.5
8.200	3.27	3.85	2.93	4.31	HS 58.55	105.4
8.300	1.93	4.68	1.71	5.21	HS 34.24	61.6
8.400	1.59	5.69	1.40	6.31	HS 28.03	50.5
8.500	1.40	7.01	1.24	7.74	HS 24.72	44.5
8.600	1.34	8.83	1.18	9.75	HS 23.58	42.4
8.700	1.35	11.69	1.19	12.92	HS 23.79	42.8
8.800	1.63	17.13	1.44	18.98	HS 28.74	51.7
8.900	2.75	32.92	2.44	36.61	HS 48.78	87.8
9.000	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	0.6	7.3	31.19	24.40	24.00	18.77
1.100	0.4	5.4	25.95	20.89	19.96	16.07
1.200	0.3	3.6	21.00	17.56	16.15	13.51
1.300	0.1	1.8	16.43	14.43	12.64	11.10
1.400	0.0	-0.1	12.31	11.52	9.47	8.86
1.500	-0.2	-1.9	-15.37	-13.95	-11.82	-10.73
1.600	-0.3	-3.8	-18.34	-16.67	-14.11	-12.83
1.700	-0.5	-5.6	-22.80	-19.32	-17.54	-14.86
1.800	-0.6	-7.4	-27.72	-21.85	-21.32	-16.81
1.900	-0.8	-9.3	-32.21	-24.21	-24.77	-18.62
2.000	-0.9	-11.1	-36.19	-26.36	-27.84	-20.28
2.000	0.8	-11.1	33.50	26.13	25.77	20.10
2.100	0.6	7.9	29.37	23.54	22.59	18.11
2.200	0.5	6.0	24.68	20.73	18.98	15.95
2.300	0.3	4.2	20.51	17.81	15.77	13.70
2.400	0.2	2.4	17.12	14.86	13.17	11.43
2.500	0.0	0.6	-13.52	11.97	-10.40	9.21
2.600	-0.1	-1.4	-17.02	-14.82	-13.09	-11.40
2.700	-0.3	-3.2	-20.39	-17.75	-15.68	-13.65
2.800	-0.4	-5.0	-24.99	-20.63	-19.22	-15.87
2.900	-0.6	-6.8	-29.62	-23.37	-22.79	-17.97
3.000	-0.7	-8.7	-33.97	-25.86	-26.13	-19.89
3.000	0.7	9.0	33.80	25.99	26.00	20.00
3.100	0.6	7.2	29.42	23.47	22.63	18.05
3.200	0.4	5.4	24.77	20.70	19.05	15.92
3.300	0.3	3.5	20.31	17.79	15.63	13.69
3.400	0.1	1.7	16.93	14.84	13.02	11.41
3.500	0.0	-0.1	13.39	-12.04	10.30	-9.26
3.600	-0.2	-2.0	-16.92	-14.95	-13.02	-11.50
3.700	-0.3	-3.8	-20.31	-17.90	-15.62	-13.77
3.800	-0.5	-5.7	-24.79	-20.80	-19.07	-16.00
3.900	-0.6	-7.5	-29.44	-23.57	-22.64	-18.13
4.000	-0.8	-9.3	-33.81	-26.09	-26.01	-20.07

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
4.000	0.7	-9.3	33.80	26.06	26.00	20.04
4.100	0.6	7.4	29.42	23.54	22.63	18.10
4.200	0.5	5.6	24.77	20.77	19.06	15.98
4.300	0.3	3.7	20.30	17.86	15.62	13.74
4.400	0.2	1.9	16.91	14.91	13.01	11.47
4.500	0.0	0.1	13.38	12.00	10.29	9.23
4.600	-0.1	-1.8	-16.91	-14.88	-13.01	-11.45
4.700	-0.3	-3.6	-20.30	-17.84	-15.62	-13.72
4.800	-0.4	-5.5	-24.77	-20.74	-19.06	-15.96
4.900	-0.6	-7.3	-29.42	-23.51	-22.63	-18.08
5.000	-0.7	-9.1	-33.80	-26.03	-26.00	-20.02
5.000	0.7	9.1	33.80	26.03	26.00	20.02
5.100	0.6	7.3	29.42	23.51	22.63	18.08
5.200	0.4	5.5	24.77	20.74	19.06	15.96
5.300	0.3	3.6	20.30	17.84	15.62	13.72
5.400	0.1	1.8	16.91	14.88	13.01	11.45
5.500	0.0	-0.1	13.38	-12.00	10.29	-9.23
5.600	-0.2	-1.9	-16.91	-14.91	-13.01	-11.47
5.700	-0.3	-3.7	-20.30	-17.86	-15.62	-13.74
5.800	-0.5	-5.6	-24.77	-20.77	-19.06	-15.98
5.900	-0.6	-7.4	-29.42	-23.54	-22.63	-18.10
6.000	-0.7	-9.2	-33.80	-26.06	-26.00	-20.04
6.000	0.8	9.3	33.81	26.09	26.01	20.07
6.100	0.6	7.5	29.44	23.57	22.64	18.13
6.200	0.5	5.7	24.79	20.80	19.07	16.00
6.300	0.3	3.8	20.31	17.90	15.62	13.77
6.400	0.2	2.0	16.92	14.95	13.02	11.50
6.500	0.0	0.2	13.39	12.04	10.30	9.26
6.600	-0.1	-1.7	-16.93	-14.84	-13.02	-11.41
6.700	-0.3	-3.5	-20.31	-17.79	-15.63	-13.69
6.800	-0.4	-5.4	-24.77	-20.70	-19.05	-15.92
6.900	-0.6	-7.2	-29.42	-23.47	-22.63	-18.05
7.000	-0.7	-9.0	-33.80	-25.99	-26.00	-20.00

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
7.000	0.7	-9.0	33.97	25.86	26.13	19.89
7.100	0.6	6.8	29.62	23.37	22.79	17.97
7.200	0.4	5.0	24.99	20.63	19.22	15.87
7.300	0.3	3.2	20.39	17.75	15.68	13.65
7.400	0.1	1.4	17.02	14.82	13.09	11.40
7.500	0.0	-0.5	13.52	-11.97	10.40	-9.21
7.600	-0.2	-2.4	-17.12	-14.86	-13.17	-11.43
7.700	-0.3	-4.2	-20.51	-17.81	-15.77	-13.70
7.800	-0.5	-6.0	-24.68	-20.73	-18.98	-15.95
7.900	-0.6	-7.9	-29.37	-23.54	-22.59	-18.11
8.000	-0.8	-9.7	-33.82	-26.13	-26.01	-20.10
8.000	0.9	11.1	36.19	26.36	27.84	20.28
8.100	0.8	9.3	32.21	24.21	24.77	18.62
8.200	0.6	7.4	27.72	21.85	21.32	16.81
8.300	0.5	5.6	22.80	19.32	17.54	14.86
8.400	0.3	3.8	18.34	16.67	14.11	12.83
8.500	0.2	1.9	15.37	13.95	11.82	10.73
8.600	0.0	0.1	-12.31	-11.52	-9.47	-8.86
8.700	-0.1	-1.8	-16.43	-14.43	-12.64	-11.10
8.800	-0.3	-3.6	-21.00	-17.56	-16.15	-13.51
8.900	-0.4	-5.4	-25.95	-20.89	-19.96	-16.07
9.000	-0.6	-7.3	-31.19	-24.40	-24.00	-18.77

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	90.8	-74.5	65.1
1.100	90.8	-73.3	66.3
1.200	90.8	-72.2	67.5
1.300	90.8	-71.0	68.7
1.400	90.8	-69.8	69.9
1.500	90.8	-68.6	71.0
1.600	90.8	-67.4	72.3
1.700	90.8	-66.2	73.5
1.800	90.8	-65.0	74.7
1.900	90.8	-63.8	75.8
2.000	90.8	-62.6	77.0
2.000	90.8	-62.6	63.5
2.100	90.8	-74.9	64.7
2.200	90.8	-73.7	65.9
2.300	90.8	-72.6	67.1
2.400	90.8	-71.4	68.3
2.500	90.8	-70.2	69.5
2.600	90.8	-69.0	70.7
2.700	90.8	-67.8	71.9
2.800	90.8	-66.6	73.1
2.900	90.8	-65.4	74.3
3.000	90.8	-64.2	70.2
3.000	90.8	-64.2	64.0
3.100	90.8	-74.5	65.1
3.200	90.8	-73.3	66.3
3.300	90.8	-72.1	67.5
3.400	90.8	-70.9	68.7
3.500	90.8	-69.8	69.9
3.600	90.8	-68.5	71.1
3.700	90.8	-67.3	72.3
3.800	90.8	-66.2	73.5
3.900	90.8	-65.0	74.7
4.000	90.8	-63.8	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	-63.8	63.8
4.100	90.8	-74.6	65.0
4.200	90.8	-73.4	66.2
4.300	90.8	-72.2	67.4
4.400	90.8	-71.1	68.6
4.500	90.8	-69.9	69.8
4.600	90.8	-68.6	71.0
4.700	90.8	-67.5	72.2
4.800	90.8	-66.3	73.4
4.900	90.8	-65.1	74.6
5.000	90.8	-63.9	70.3
5.000	90.8	-63.9	63.9
5.100	90.8	-74.6	65.1
5.200	90.8	-73.4	66.3
5.300	90.8	-72.2	67.5
5.400	90.8	-71.0	68.6
5.500	90.8	-69.8	69.8
5.600	90.8	-68.6	71.1
5.700	90.8	-67.4	72.2
5.800	90.8	-66.2	73.4
5.900	90.8	-65.0	74.6
6.000	90.8	-63.8	70.3
6.000	90.8	-63.8	63.8
6.100	90.8	-74.7	65.0
6.200	90.8	-73.5	66.2
6.300	90.8	-72.3	67.3
6.400	90.8	-71.1	68.5
6.500	90.8	-69.9	69.7
6.600	90.8	-68.7	70.9
6.700	90.8	-67.5	72.1
6.800	90.8	-66.3	73.3
6.900	90.8	-65.1	74.5
7.000	90.8	-64.0	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	-64.0	64.2
7.100	90.8	-74.3	65.4
7.200	90.8	-73.1	66.6
7.300	90.8	-71.9	67.8
7.400	90.8	-70.7	69.0
7.500	90.8	-69.5	70.1
7.600	90.8	-68.3	71.4
7.700	90.8	-67.1	72.6
7.800	90.8	-65.9	73.7
7.900	90.8	-64.7	74.9
8.000	90.8	-63.5	70.3
8.000	90.8	-63.5	62.6
8.100	90.8	-75.8	63.8
8.200	90.8	-74.7	65.0
8.300	90.8	-73.5	66.2
8.400	90.8	-72.3	67.4
8.500	90.8	-71.1	68.6
8.600	90.8	-69.9	69.8
8.700	90.8	-68.7	71.0
8.800	90.8	-67.5	72.2
8.900	90.8	-66.3	73.3
9.000	90.8	-65.1	70.2

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)
1.000	35.12	2.09	HS 41.75	75.1
1.100	23.53	2.56	HS 51.11	92.0
1.200	12.07	3.21	HS 64.28	115.7
1.300	8.00	4.18	HS 83.60	150.5
1.400	5.89	5.67	HS 113.48	204.3
1.500	4.46	7.48	HS 89.27	160.7
1.600	3.67	10.91	HS 73.45	132.2
1.700	2.90	16.61	HS 58.05	104.5
1.800	2.34	28.04	HS 46.89	84.4
1.900	1.98	61.26	HS 39.62	71.3
2.000	1.73	135.55	HS 34.61	62.3
2.000	1.73	1.90	HS 34.61	62.3
2.100	25.95	2.20	HS 44.07	79.3
2.200	17.18	2.67	HS 53.41	96.1
2.300	11.02	3.27	HS 65.44	117.8
2.400	7.47	3.99	HS 79.76	143.6
2.500	5.19	5.15	HS 103.04	185.5
2.600	4.05	7.54	HS 81.04	145.9
2.700	3.32	10.72	HS 66.47	119.6
2.800	2.66	16.32	HS 53.29	95.9
2.900	2.21	18.69	HS 44.15	79.5
3.000	1.89	17.68	HS 37.80	68.0
3.000	1.89	1.89	HS 37.80	68.0
3.100	23.30	2.21	HS 44.29	79.7
3.200	16.49	2.68	HS 53.57	96.4
3.300	10.74	3.32	HS 66.47	119.7
3.400	7.56	4.06	HS 81.18	146.1
3.500	5.21	5.22	HS 104.17	187.5
3.600	4.05	7.59	HS 81.00	145.8
3.700	3.32	10.94	HS 66.32	119.4
3.800	2.67	16.90	HS 53.37	96.1
3.900	2.21	23.73	HS 44.14	79.4
4.000	1.89	22.63	HS 37.73	67.9

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)
4.000	1.89	1.89	HS 37.73	67.9
4.100	23.72	2.21	HS 44.20	79.6
4.200	16.75	2.67	HS 53.45	96.2
4.300	10.87	3.32	HS 66.40	119.5
4.400	7.58	4.05	HS 81.10	146.0
4.500	5.22	5.21	HS 104.28	187.7
4.600	4.06	7.58	HS 81.17	146.1
4.700	3.32	10.81	HS 66.46	119.6
4.800	2.67	16.62	HS 53.50	96.3
4.900	2.21	23.46	HS 44.24	79.6
5.000	1.89	22.41	HS 37.81	68.1
5.000	1.89	1.89	HS 37.81	68.1
5.100	23.46	2.21	HS 44.24	79.6
5.200	16.62	2.67	HS 53.50	96.3
5.300	10.81	3.32	HS 66.46	119.6
5.400	7.58	4.06	HS 81.17	146.1
5.500	5.22	5.22	HS 104.33	187.8
5.600	4.05	7.58	HS 81.10	146.0
5.700	3.32	10.87	HS 66.40	119.5
5.800	2.67	16.75	HS 53.45	96.2
5.900	2.21	23.72	HS 44.20	79.6
6.000	1.89	22.64	HS 37.78	68.0
6.000	1.89	1.89	HS 37.73	67.9
6.100	23.73	2.21	HS 44.14	79.4
6.200	16.90	2.67	HS 53.37	96.1
6.300	10.94	3.32	HS 66.32	119.4
6.400	7.59	4.05	HS 81.00	145.8
6.500	5.22	5.20	HS 104.11	187.4
6.600	4.06	7.56	HS 81.18	146.1
6.700	3.32	10.74	HS 66.47	119.7
6.800	2.68	16.49	HS 53.57	96.4
6.900	2.21	23.30	HS 44.29	79.7
7.000	1.89	22.27	HS 37.85	68.1

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	1.89	1.89	HS 37.80	68.0
7.100	19.58	2.21	HS 44.15	79.5
7.200	16.32	2.66	HS 53.29	95.9
7.300	10.72	3.32	HS 66.47	119.6
7.400	7.54	4.05	HS 81.04	145.9
7.500	5.16	5.19	HS 103.10	185.6
7.600	3.99	7.47	HS 79.76	143.6
7.700	3.27	11.02	HS 65.44	117.8
7.800	2.67	17.18	HS 53.41	96.1
7.900	2.20	25.74	HS 44.07	79.3
8.000	1.88	24.15	HS 37.58	67.6
8.000	1.88	1.73	HS 34.61	62.3
8.100	61.26	1.98	HS 39.62	71.3
8.200	28.04	2.34	HS 46.89	84.4
8.300	16.61	2.90	HS 58.05	104.5
8.400	10.91	3.67	HS 73.45	132.2
8.500	7.48	4.46	HS 89.21	160.6
8.600	5.67	5.89	HS 113.48	204.3
8.700	4.18	8.00	HS 83.60	150.5
8.800	3.21	12.07	HS 64.28	115.7
8.900	2.56	23.53	HS 51.11	92.0
9.000	2.09	33.07	HS 41.75	75.1

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
1.000 67.6	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
1.100 77.5	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1
1.200 84.5	178.9	178.9	-156.4	-156.4	150.8	150.8	-184.5	-1
1.300 88.6	181.6	181.6	-153.6	-153.6	146.7	146.7	-188.6	-1
1.400 89.9	182.5	182.5	-152.8	-152.8	145.3	145.3	-189.9	-1
1.500 88.4	181.5	181.5	-153.8	-153.8	146.9	146.9	-188.4	-1
1.600 84.0	178.5	178.5	-156.8	-156.8	151.3	151.3	-184.0	-1
1.700 76.7	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
1.800 66.5	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
1.900 53.6	158.3	158.3	-177.0	-177.0	181.7	181.7	-153.6	-1
2.000 37.8	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
2.000 37.8	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
2.100 51.4	156.8	156.8	-178.5	-178.5	183.9	183.9	-151.4	-1
2.200 62.2	164.0	164.0	-171.3	-171.3	173.1	173.1	-162.2	-1
2.300 70.1	169.3	169.3	-166.0	-166.0	165.2	165.2	-170.1	-1
2.400 75.2	172.7	172.7	-162.6	-162.6	160.1	160.1	-175.2	-1
2.500 77.5	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1
2.600 76.8	173.8	173.8	-161.5	-161.5	158.4	158.4	-176.8	-1
2.700 73.3	171.4	171.4	-163.8	-163.8	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	161.5	161.5	-173.8	-173.8	176.9	176.9	-158.4	-1
58.4								
3.200	168.0	168.0	-167.3	-167.3	167.1	167.1	-168.1	-1
68.1								
3.300	172.6	172.6	-162.7	-162.7	160.2	160.2	-175.1	-1
75.1								
3.400	175.3	175.3	-160.0	-160.0	156.1	156.1	-179.2	-1
79.2								
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	-160.2	-160.2	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	-175.0	-175.0	178.6	178.6	-156.6	-1
56.6								
4.000	151.6	151.6	-183.7	-183.7	191.7	191.7	-143.6	-1
43.6								

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 43.6	151.6	151.6	-183.7	-183.7	191.7	191.7	-143.6	-1
4.100 56.5	160.2	160.2	-175.1	-175.1	178.8	178.8	-156.5	-1
4.200 66.5	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
4.300 73.8	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.8	-1
4.400 78.1	174.6	174.6	-160.6	-160.6	157.1	157.1	-178.1	-1
4.500 79.7	175.7	175.7	-159.6	-159.6	155.6	155.6	-179.7	-1
4.600 78.3	174.7	174.7	-160.5	-160.5	157.0	157.0	-178.3	-1
4.700 74.1	171.9	171.9	-163.4	-163.4	161.2	161.2	-174.1	-1
4.800 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
4.900 57.1	160.6	160.6	-174.7	-174.7	178.2	178.2	-157.1	-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 57.1	160.6	160.6	-174.7	-174.7	178.2	178.2	-157.1	-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 78.3	174.7	174.7	-160.5	-160.5	157.0	157.0	-178.3	-1
5.500 79.7	175.7	175.7	-159.6	-159.6	155.6	155.6	-179.7	-1
5.600 78.1	174.6	174.6	-160.6	-160.6	157.1	157.1	-178.1	-1
5.700 73.8	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.8	-1
5.800 66.5	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
5.900 56.5	160.2	160.2	-175.1	-175.1	178.8	178.8	-156.5	-1

6.000 43.6	151.6	151.6	-183.7	-183.7	191.7	191.7	-143.6	-1
6.000 43.6	151.6	151.6	-183.7	-183.7	191.7	191.7	-143.6	-1
6.100 56.6	160.3	160.3	-175.0	-175.0	178.6	178.6	-156.6	-1
6.200 66.8	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
6.300 74.2	172.0	172.0	-163.3	-163.3	161.1	161.1	-174.2	-1
6.400 78.7	175.0	175.0	-160.2	-160.2	156.6	156.6	-178.7	-1
6.500 80.4	176.2	176.2	-159.1	-159.1	154.9	154.9	-180.4	-1
6.600 79.2	175.3	175.3	-160.0	-160.0	156.1	156.1	-179.2	-1
6.700 75.1	172.6	172.6	-162.7	-162.7	160.2	160.2	-175.1	-1
6.800 68.1	168.0	168.0	-167.3	-167.3	167.1	167.1	-168.1	-1
6.900 58.4	161.5	161.5	-173.8	-173.8	176.9	176.9	-158.4	-1
7.000 45.8	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1

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 45.8	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
7.100 57.8	161.1	161.1	-174.2	-174.2	177.5	177.5	-157.8	-1
7.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
7.300 73.3	171.4	171.4	-163.8	-163.8	162.0	162.0	-173.3	-1
7.400 76.8	173.8	173.8	-161.5	-161.5	158.4	158.4	-176.8	-1
7.500 77.5	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1
7.600 75.2	172.7	172.7	-162.6	-162.6	160.1	160.1	-175.2	-1
7.700 70.1	169.3	169.3	-166.0	-166.0	165.2	165.2	-170.1	-1
7.800 62.2	164.0	164.0	-171.3	-171.3	173.1	173.1	-162.2	-1
7.900 51.4	156.8	156.8	-178.5	-178.5	183.9	183.9	-151.4	-1
8.000 37.8	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
8.000 37.8	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
8.100 53.6	158.3	158.3	-177.0	-177.0	181.7	181.7	-153.6	-1
8.200 66.5	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
8.300 76.7	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
8.400 84.0	178.5	178.5	-156.8	-156.8	151.3	151.3	-184.0	-1
8.500 88.4	181.5	181.5	-153.8	-153.8	146.9	146.9	-188.4	-1
8.600 89.9	182.5	182.5	-152.8	-152.8	145.3	145.3	-189.9	-1
8.700 88.6	181.6	181.6	-153.6	-153.6	146.7	146.7	-188.6	-1
8.800 84.5	178.9	178.9	-156.4	-156.4	150.8	150.8	-184.5	-1
8.900 77.5	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1

9.000	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
67.6								

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	2.54	34.16	2.54	34.16	HS 50.86	91.5
1.200	1.50	17.75	1.50	17.75	HS 30.03	54.0
1.300	1.24	12.10	1.24	12.10	HS 24.88	44.8
1.400	1.23	9.14	1.23	9.14	HS 24.68	44.4
1.500	1.29	7.25	1.29	7.25	HS 25.86	46.5
1.600	1.46	5.90	1.46	5.90	HS 29.28	52.7
1.700	1.78	4.86	1.78	4.86	HS 35.69	64.2
1.800	3.04	4.01	3.04	4.01	HS 60.88	109.6
1.900	8.83	2.83	8.83	2.83	HS 56.56	101.8
2.000	14.19	1.37	14.19	1.37	HS 27.31	49.1
2.000	14.19	1.37	14.19	1.37	HS 27.31	49.1
2.100	8.60	2.24	8.60	2.24	HS 44.74	80.5
2.200	2.91	2.90	2.91	2.90	HS 57.99	104.4
2.300	1.97	3.66	1.97	3.66	HS 39.42	71.0
2.400	1.73	4.74	1.73	4.74	HS 34.56	62.2
2.500	1.78	6.47	1.78	6.47	HS 35.58	64.0
2.600	1.74	6.35	1.74	6.35	HS 34.85	62.7
2.700	1.99	4.98	1.99	4.98	HS 39.73	71.5
2.800	2.98	4.00	2.98	4.00	HS 59.65	107.4
2.900	7.35	2.89	7.35	2.89	HS 57.81	104.1
3.000	9.44	1.53	9.44	1.53	HS 30.56	55.0
3.000	9.44	1.53	9.44	1.53	HS 30.56	55.0
3.100	7.10	2.85	7.10	2.85	HS 56.98	102.6
3.200	2.95	3.99	2.95	3.99	HS 58.99	106.2
3.300	1.96	5.00	1.96	5.00	HS 39.28	70.7
3.400	1.71	6.44	1.71	6.44	HS 34.28	61.7
3.500	1.76	8.54	1.76	8.54	HS 35.24	63.4
3.600	1.72	6.47	1.72	6.47	HS 34.42	62.0
3.700	1.98	5.02	1.98	5.02	HS 39.57	71.2
3.800	2.98	3.99	2.98	3.99	HS 59.68	107.4
3.900	7.54	2.87	7.54	2.87	HS 57.31	103.2
4.000	12.42	1.51	12.42	1.51	HS 30.23	54.4

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		
4.000	12.42	1.51	12.42	1.51	HS 30.23	54.4
4.100	7.45	2.86	7.45	2.86	HS 57.19	102.9
4.200	2.99	3.98	2.99	3.98	HS 59.76	107.6
4.300	1.98	5.01	1.98	5.01	HS 39.68	71.4
4.400	1.73	6.45	1.73	6.45	HS 34.54	62.2
4.500	1.77	8.42	1.77	8.42	HS 35.43	63.8
4.600	1.73	6.46	1.73	6.46	HS 34.51	62.1
4.700	1.98	5.02	1.98	5.02	HS 39.61	71.3
4.800	2.98	4.00	2.98	4.00	HS 59.62	107.3
4.900	7.46	2.87	7.46	2.87	HS 57.46	103.4
5.000	12.17	1.52	12.17	1.52	HS 30.39	54.7
5.000	12.17	1.52	12.17	1.52	HS 30.39	54.7
5.100	7.34	2.87	7.34	2.87	HS 57.46	103.4
5.200	2.98	4.00	2.98	4.00	HS 59.62	107.3
5.300	1.98	5.02	1.98	5.02	HS 39.61	71.3
5.400	1.73	6.46	1.73	6.46	HS 34.51	62.1
5.500	1.77	8.42	1.77	8.42	HS 35.43	63.8
5.600	1.73	6.45	1.73	6.45	HS 34.54	62.2
5.700	1.98	5.01	1.98	5.01	HS 39.68	71.4
5.800	2.99	3.98	2.99	3.98	HS 59.76	107.6
5.900	7.57	2.86	7.57	2.86	HS 57.19	102.9
6.000	12.42	1.51	12.42	1.51	HS 30.23	54.4
6.000	12.42	1.51	12.42	1.51	HS 30.23	54.4
6.100	7.42	2.87	7.42	2.87	HS 57.31	103.2
6.200	2.98	3.99	2.98	3.99	HS 59.68	107.4
6.300	1.98	5.02	1.98	5.02	HS 39.57	71.2
6.400	1.72	6.47	1.72	6.47	HS 34.42	62.0
6.500	1.76	8.54	1.76	8.54	HS 35.24	63.4
6.600	1.71	6.44	1.71	6.44	HS 34.28	61.7
6.700	1.96	5.00	1.96	5.00	HS 39.28	70.7
6.800	2.95	3.99	2.95	3.99	HS 58.99	106.2
6.900	7.22	2.85	7.22	2.85	HS 56.98	102.6
7.000	9.44	1.53	9.44	1.53	HS 30.60	55.1

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	9.44	1.53	9.44	1.53	HS 30.60	55.1
7.100	7.24	2.89	7.24	2.89	HS 57.81	104.1
7.200	2.98	4.00	2.98	4.00	HS 59.65	107.4
7.300	1.99	4.98	1.99	4.98	HS 39.73	71.5
7.400	1.74	6.35	1.74	6.35	HS 34.85	62.7
7.500	1.78	6.47	1.78	6.47	HS 35.58	64.0
7.600	1.73	4.74	1.73	4.74	HS 34.56	62.2
7.700	1.97	3.66	1.97	3.66	HS 39.42	71.0
7.800	2.91	2.90	2.91	2.90	HS 57.99	104.4
7.900	8.76	2.24	8.76	2.24	HS 44.74	80.5
8.000	14.19	1.37	14.19	1.37	HS 27.31	49.2
8.000	14.19	1.37	14.19	1.37	HS 27.31	49.2
8.100	8.66	2.83	8.66	2.83	HS 56.54	101.8
8.200	3.04	4.01	3.04	4.01	HS 60.88	109.6
8.300	1.78	4.86	1.78	4.86	HS 35.69	64.2
8.400	1.46	5.90	1.46	5.90	HS 29.28	52.7
8.500	1.29	7.25	1.29	7.25	HS 25.86	46.5
8.600	1.23	9.14	1.23	9.14	HS 24.68	44.4
8.700	1.24	12.10	1.24	12.10	HS 24.88	44.8
8.800	1.50	17.75	1.50	17.75	HS 30.03	54.0
8.900	2.54	34.16	2.54	34.16	HS 50.86	91.5
9.000	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: 5C1T

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	1.2	15.2	50.81 R	39.08
1.200	2.1	26.0	83.90 R	64.54
1.300	2.6	32.4	100.64 R	77.41
1.400	2.8	34.4	105.90 R	81.46
1.500	2.6	32.1	103.89 L	79.92
1.600	2.0	25.2	95.59 L	73.53
1.700	1.1	14.0	76.85 L	59.12
1.800	-0.2	-1.7	52.97 R	40.74
1.900	-1.8	-21.7	-46.28 L	-35.60
2.000	-3.8	-46.0	-73.05 R	-56.19
2.000	-3.8	-46.0	-73.05 R	-56.19
2.100	-2.1	-25.0	-53.56 L	-41.20
2.200	-0.7	-8.4	46.63 R	35.87
2.300	0.3	3.9	69.73 R	53.64
2.400	0.9	11.7	81.12 R	62.40
2.500	1.2	15.2	85.16 L	65.51
2.600	1.1	14.2	82.25 L	63.27
2.700	0.7	8.8	71.38 R	54.91
2.800	-0.1	-1.0	53.40 R	41.08
2.900	-1.3	-15.1	-43.80 R	-33.69
3.000	-2.8	-33.7	-59.27 L	-45.60
3.000	-2.8	-33.7	-59.27 L	-45.60
3.100	-1.2	-14.2	-42.36 L	-32.58
3.200	0.0	0.8	54.76 L	42.12
3.300	0.9	11.5	73.11 L	56.24
3.400	1.4	17.8	85.31 R	65.62
3.500	1.6	19.7	88.32 R	67.94
3.600	1.4	17.1	84.00 L	64.62
3.700	0.8	10.1	72.21 R	55.54
3.800	-0.1	-1.2	53.38 R	41.06
3.900	-1.4	-16.9	-44.23 R	-34.02
4.000	-3.0	-37.0	-59.67 R	-45.90

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-37.0	-59.67 R	0.00
4.100	-1.4	-17.2	-45.02 L	0.00
4.200	-0.2	-1.7	52.93 L	0.00
4.300	0.7	9.5	71.90 L	0.00
4.400	1.3	16.2	83.54 R	0.00
4.500	1.5	18.6	87.09 L	0.00
4.600	1.3	16.5	83.76 L	0.00
4.700	0.8	9.9	71.79 R	0.00
4.800	-0.1	-1.0	53.63 R	0.00
4.900	-1.3	-16.3	-44.14 R	0.00
5.000	-2.9	-35.9	-59.25 R	0.00
5.000	-2.9	-35.9	-59.25 R	0.00
5.100	-1.3	-16.3	-44.14 L	0.00
5.200	-0.1	-1.0	53.63 L	0.00
5.300	0.8	9.9	71.79 L	0.00
5.400	1.3	16.5	83.76 R	0.00
5.500	1.5	18.6	87.09 R	0.00
5.600	1.3	16.2	83.53 L	0.00
5.700	0.7	9.5	71.90 R	0.00
5.800	-0.2	-1.7	52.93 R	0.00
5.900	-1.4	-17.2	-45.02 R	0.00
6.000	-3.0	-37.0	-59.67 L	0.00
6.000	-3.0	-37.0	-59.67 L	0.00
6.100	-1.4	-16.9	-44.23 L	0.00
6.200	-0.1	-1.2	53.38 L	0.00
6.300	0.8	10.1	72.21 L	0.00
6.400	1.4	17.1	84.00 R	0.00
6.500	1.6	19.7	88.32 L	0.00
6.600	1.4	17.8	85.31 L	0.00
6.700	0.9	11.5	73.11 R	0.00
6.800	0.0	0.8	54.76 R	0.00
6.900	-1.2	-14.2	-42.36 R	0.00
7.000	-2.8	-33.7	-59.26 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

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	-2.8	-33.7	-59.26	R	0.00	0.00
7.100	-1.3	-15.1	-43.80	L	0.00	0.00
7.200	-0.1	-1.0	53.40	L	0.00	0.00
7.300	0.7	8.8	71.38	L	0.00	0.00
7.400	1.1	14.2	82.25	R	0.00	0.00
7.500	1.2	15.2	85.16	R	0.00	0.00
7.600	0.9	11.7	81.12	L	0.00	0.00
7.700	0.3	3.9	69.73	L	0.00	0.00
7.800	-0.7	-8.4	46.63	L	0.00	0.00
7.900	-2.1	-25.0	-53.56	R	0.00	0.00
8.000	-3.8	-46.0	-73.05	L	0.00	0.00
8.000	-3.8	-46.0	-73.05	L	0.00	0.00
8.100	-1.8	-21.7	-46.28	R	0.00	0.00
8.200	-0.2	-1.7	52.97	L	0.00	0.00
8.300	1.1	14.0	76.85	R	0.00	0.00
8.400	2.0	25.2	95.59	R	0.00	0.00
8.500	2.6	32.1	103.89	R	0.00	0.00
8.600	2.8	34.4	105.90	L	0.00	0.00
8.700	2.6	32.4	100.64	L	0.00	0.00
8.800	2.1	26.0	83.90	L	0.00	0.00
8.900	1.2	15.2	50.81	L	0.00	0.00
9.000	0.0	0.0	0.00	R	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1T

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	
. 6	1.000	300.6C	268.7	-268.7	-300.6C	300.6	268.7	-268.7	-300.
0	1.100	300.6C	268.7	-268.7	-300.6C	284.2	252.3	-285.0	-317.
7	1.200	300.6C	268.7	-268.7	-300.6C	272.6	240.6	-296.7	-328.
6	1.300	300.6C	268.7	-268.7	-300.6C	265.7	233.7	-303.6	-335.
8	1.400	300.6C	268.7	-268.7	-300.6C	263.5	231.5	-305.8	-337.
3	1.500	300.6C	268.7	-268.7	-300.6C	266.0	234.0	-303.3	-335.
9	1.600	300.6C	268.7	-268.7	-300.6C	273.4	241.4	-295.9	-327.
7	1.700	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
8	1.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
2	1.900	300.6C	268.7	-268.7	-300.6C	324.1	292.1	-245.2	-277.
8	2.000	300.6C	268.7	-268.7	-300.6C	350.4	318.4	-218.9	-250.
8	2.000	300.6C	268.7	-268.7	-300.6C	350.4	318.4	-218.9	-250.
6	2.100	300.6C	268.7	-268.7	-300.6C	327.7	295.7	-241.6	-273.
5	2.200	300.6C	268.7	-268.7	-300.6C	309.7	277.8	-259.5	-291.
8	2.300	300.6C	268.7	-268.7	-300.6C	296.5	264.5	-272.8	-304.
3	2.400	300.6C	268.7	-268.7	-300.6C	288.0	256.0	-281.3	-313.
1	2.500	300.6C	268.7	-268.7	-300.6C	284.2	252.2	-285.1	-317.
0	2.600	300.6C	268.7	-268.7	-300.6C	285.3	253.3	-284.0	-316.
1	2.700	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
5	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
2	2.900	300.6C	268.7	-268.7	-300.6C	317.0	285.1	-252.3	-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.
2	3.100	300.6C	268.7	-268.7	-300.6C	316.1	284.1	-253.2	-285.
5	3.200	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
0	3.300	300.6C	268.7	-268.7	-300.6C	288.2	256.3	-281.0	-313.
8	3.400	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-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.
6	3.700	300.6C	268.7	-268.7	-300.6C	289.7	257.7	-279.6	-311.
3	3.800	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
3	3.900	300.6C	268.7	-268.7	-300.6C	319.0	287.0	-250.3	-282.
6	4.000	300.6C	268.7	-268.7	-300.6C	340.7	308.7	-228.6	-260.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1T

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	340.7	308.7	-228.6	-260.
1	4.100	300.6C	268.7	-268.7	-300.6C	319.2	287.2	-250.1	-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	290.4	258.4	-278.9	-310.
1	4.400	300.6C	268.7	-268.7	-300.6C	283.1	251.1	-286.2	-318.
7	4.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
4	4.600	300.6C	268.7	-268.7	-300.6C	282.9	250.9	-286.4	-318.
3	4.700	300.6C	268.7	-268.7	-300.6C	289.9	258.0	-279.3	-311.
5	4.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
0	4.900	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-283.
8	5.000	300.6C	268.7	-268.7	-300.6C	339.5	307.5	-229.8	-261.
8	5.000	300.6C	268.7	-268.7	-300.6C	339.5	307.5	-229.8	-261.
0	5.100	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-283.
5	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	289.9	258.0	-279.3	-311.
4	5.400	300.6C	268.7	-268.7	-300.6C	282.9	250.9	-286.4	-318.
7	5.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
1	5.600	300.6C	268.7	-268.7	-300.6C	283.1	251.1	-286.2	-318.
8	5.700	300.6C	268.7	-268.7	-300.6C	290.4	258.4	-278.9	-310.
8	5.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
1	5.900	300.6C	268.7	-268.7	-300.6C	319.2	287.2	-250.1	-282.

6	6.000	300.6C	268.7	-268.7	-300.6C	340.7	308.7	-228.6	-260.
6	6.000	300.6C	268.7	-268.7	-300.6C	340.7	308.7	-228.6	-260.
3	6.100	300.6C	268.7	-268.7	-300.6C	319.0	287.0	-250.3	-282.
3	6.200	300.6C	268.7	-268.7	-300.6C	302.0	270.0	-267.3	-299.
6	6.300	300.6C	268.7	-268.7	-300.6C	289.7	257.7	-279.6	-311.
1	6.400	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
9	6.500	300.6C	268.7	-268.7	-300.6C	279.4	247.4	-289.9	-321.
8	6.600	300.6C	268.7	-268.7	-300.6C	281.4	249.4	-287.9	-319.
0	6.700	300.6C	268.7	-268.7	-300.6C	288.2	256.3	-281.0	-313.
5	6.800	300.6C	268.7	-268.7	-300.6C	299.8	267.8	-269.5	-301.
2	6.900	300.6C	268.7	-268.7	-300.6C	316.1	284.1	-253.2	-285.
2	7.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1T

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.
.									
2	7.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
2	7.100	300.6C	268.7	-268.7	-300.6C	317.0	285.1	-252.3	-284.
5	7.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
1	7.300	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
0	7.400	300.6C	268.7	-268.7	-300.6C	285.3	253.3	-284.0	-316.
1	7.500	300.6C	268.7	-268.7	-300.6C	284.2	252.2	-285.1	-317.
3	7.600	300.6C	268.7	-268.7	-300.6C	288.0	256.0	-281.3	-313.
8	7.700	300.6C	268.7	-268.7	-300.6C	296.5	264.5	-272.8	-304.
5	7.800	300.6C	268.7	-268.7	-300.6C	309.7	277.8	-259.5	-291.
6	7.900	300.6C	268.7	-268.7	-300.6C	327.7	295.7	-241.6	-273.
8	8.000	300.6C	268.7	-268.7	-300.6C	350.4	318.4	-218.9	-250.
8	8.000	300.6C	268.7	-268.7	-300.6C	350.4	318.4	-218.9	-250.
2	8.100	300.6C	268.7	-268.7	-300.6C	324.1	292.1	-245.2	-277.
8	8.200	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
7	8.300	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
9	8.400	300.6C	268.7	-268.7	-300.6C	273.4	241.4	-295.9	-327.
3	8.500	300.6C	268.7	-268.7	-300.6C	266.0	234.0	-303.3	-335.
8	8.600	300.6C	268.7	-268.7	-300.6C	263.5	231.5	-305.8	-337.
6	8.700	300.6C	268.7	-268.7	-300.6C	265.7	233.7	-303.6	-335.
7	8.800	300.6C	268.7	-268.7	-300.6C	272.6	240.6	-296.7	-328.
0	8.900	300.6C	268.7	-268.7	-300.6C	284.2	252.3	-285.0	-317.

9.000 300.6C 268.7 -268.7 -300.6C 300.6 268.7 -268.7 -300.

6

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1T

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	5.59	56.69	4.97	63.05	0.00	397.2
1.200	3.25	29.50	2.87	32.68	0.00	229.4
1.300	2.64	20.13	2.32	22.25	0.00	185.8
1.400	2.49	15.20	2.19	16.80	0.00	174.9
1.500	2.56	12.06	2.25	13.34	0.00	180.2
1.600	2.86	9.81	2.53	10.87	0.00	202.1
1.700	3.72	8.06	3.30	8.97	0.00	264.0
1.800	5.71	6.63	5.11	7.43	0.00	408.5
1.900	13.23	5.30	11.92	5.99	0.00	423.9
2.000	29.98	3.00	27.24	3.43	0.00	239.7
2.000	29.98	3.00	27.24	3.43	0.00	239.7
2.100	15.29	4.51	13.80	5.11	0.00	360.8
2.200	6.64	5.63	5.96	6.32	0.00	450.3
2.300	4.25	6.45	3.79	7.21	0.00	303.5
2.400	3.55	7.05	3.16	7.86	0.00	252.5
2.500	3.34	7.57	2.96	8.41	0.00	236.9
2.600	3.47	7.70	3.08	8.57	0.00	246.4
2.700	4.08	7.33	3.63	8.17	0.00	290.5
2.800	5.65	6.70	5.05	7.50	0.00	404.1
2.900	11.18	5.76	10.06	6.49	0.00	460.8
3.000	20.98	3.92	18.99	4.46	0.00	313.4
3.000	20.98	3.92	18.99	4.46	0.00	313.4
3.100	10.73	5.98	9.64	6.73	0.00	478.2
3.200	5.47	7.07	4.89	7.91	0.00	391.3
3.300	3.94	7.85	3.51	8.74	0.00	280.4
3.400	3.30	8.41	2.92	9.35	0.00	233.9
3.500	3.16	8.46	2.80	9.40	0.00	224.1
3.600	3.36	8.17	2.98	9.08	0.00	238.3
3.700	4.01	7.48	3.57	8.34	0.00	285.5
3.800	5.66	6.68	5.06	7.48	0.00	404.6
3.900	11.56	5.66	10.40	6.38	0.00	452.7
4.000	27.07	3.83	24.52	4.37	0.00	306.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1T

Moment

Span	Rating Factor		Moment		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
4.000	27.07	3.83	24.52	4.37	0.00	306.5
4.100	11.81	5.55	10.63	6.26	0.00	444.4
4.200	5.72	6.55	5.11	7.34	0.00	408.8
4.300	4.04	7.36	3.59	8.20	0.00	287.6
4.400	3.39	8.03	3.01	8.93	0.00	240.5
4.500	3.22	8.39	2.85	9.32	0.00	228.3
4.600	3.38	8.20	2.99	9.11	0.00	239.6
4.700	4.04	7.50	3.59	8.36	0.00	287.4
4.800	5.63	6.70	5.03	7.50	0.00	402.4
4.900	11.43	5.69	10.28	6.41	0.00	455.0
5.000	26.81	3.88	24.28	4.42	0.00	310.2
5.000	26.81	3.88	24.28	4.42	0.00	310.2
5.100	11.43	5.69	10.28	6.41	0.00	455.0
5.200	5.63	6.70	5.03	7.50	0.00	402.4
5.300	4.04	7.50	3.59	8.36	0.00	287.4
5.400	3.38	8.16	2.99	9.07	0.00	239.6
5.500	3.22	8.39	2.85	9.32	0.00	228.3
5.600	3.39	8.06	3.01	8.96	0.00	240.5
5.700	4.04	7.36	3.60	8.20	0.00	287.6
5.800	5.72	6.55	5.11	7.34	0.00	408.8
5.900	11.81	5.55	10.63	6.26	0.00	444.4
6.000	28.17	3.83	25.53	4.37	0.00	306.5
6.000	28.17	3.83	25.53	4.37	0.00	306.5
6.100	11.56	5.66	10.40	6.38	0.00	452.7
6.200	5.66	6.68	5.06	7.48	0.00	404.6
6.300	4.01	7.48	3.57	8.34	0.00	285.5
6.400	3.36	8.17	2.98	9.08	0.00	238.3
6.500	3.16	8.46	2.80	9.40	0.00	224.1
6.600	3.30	8.42	2.92	9.35	0.00	233.9
6.700	3.94	7.85	3.51	8.74	0.00	280.4
6.800	5.47	7.07	4.89	7.91	0.00	391.3
6.900	10.73	5.98	9.64	6.73	0.00	478.2
7.000	20.98	3.92	18.99	4.46	0.00	313.5

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1T

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	20.98	3.92	18.99	4.46	0.00	313.5
7.100	11.18	5.76	10.06	6.49	0.00	460.8
7.200	5.65	6.70	5.05	7.50	0.00	404.1
7.300	4.08	7.33	3.63	8.17	0.00	290.5
7.400	3.47	7.70	3.08	8.57	0.00	246.4
7.500	3.34	7.57	2.96	8.41	0.00	236.9
7.600	3.55	7.05	3.16	7.86	0.00	252.5
7.700	4.25	6.45	3.79	7.21	0.00	303.5
7.800	6.64	5.63	5.96	6.32	0.00	450.3
7.900	15.29	4.51	13.80	5.11	0.00	360.8
8.000	29.98	3.00	27.24	3.43	0.00	239.7
8.000	29.98	3.00	27.24	3.43	0.00	239.7
8.100	13.23	5.30	11.92	5.99	0.00	423.9
8.200	5.71	6.63	5.11	7.43	0.00	408.5
8.300	3.72	8.06	3.30	8.97	0.00	264.0
8.400	2.86	9.81	2.53	10.87	0.00	202.1
8.500	2.56	12.06	2.25	13.34	0.00	180.2
8.600	2.49	15.20	2.19	16.80	0.00	174.9
8.700	2.64	20.13	2.32	22.25	0.00	185.8
8.800	3.25	29.50	2.87	32.68	0.00	229.4
8.900	5.59	56.69	4.97	63.05	0.00	397.2
9.000	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: 5C1T

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	0.6	7.3	25.07	0.00	19.28	0.00
1.100	0.4	5.4	21.24	0.00	16.34	0.00
1.200	0.3	3.6	17.54	0.00	13.49	0.00
1.300	0.1	1.8	14.03	0.00	10.79	0.00
1.400	0.0	-0.1	-11.06	0.00	-8.51	0.00
1.500	-0.2	-1.9	-13.29	0.00	-10.23	0.00
1.600	-0.3	-3.8	-15.87	0.00	-12.21	0.00
1.700	-0.5	-5.6	-18.62	0.00	-14.33	0.00
1.800	-0.6	-7.4	-21.45	0.00	-16.50	0.00
1.900	-0.8	-9.3	-24.44	0.00	-18.80	0.00
2.000	-0.9	-11.1	-27.13	0.00	-20.87	0.00
2.000	0.8	-11.1	26.51	0.00	20.39	0.00
2.100	0.6	7.9	23.58	0.00	18.14	0.00
2.200	0.5	6.0	20.19	0.00	15.53	0.00
2.300	0.3	4.2	16.67	0.00	12.82	0.00
2.400	0.2	2.4	13.97	0.00	10.75	0.00
2.500	0.0	0.6	11.58	0.00	8.91	0.00
2.600	-0.1	-1.4	-13.22	0.00	-10.17	0.00
2.700	-0.3	-3.2	-16.16	0.00	-12.43	0.00
2.800	-0.4	-5.0	-19.38	0.00	-14.91	0.00
2.900	-0.6	-6.8	-22.61	0.00	-17.39	0.00
3.000	-0.7	-8.7	-25.68	0.00	-19.76	0.00
3.000	0.7	9.0	25.95	0.00	19.96	0.00
3.100	0.6	7.2	22.99	0.00	17.69	0.00
3.200	0.4	5.4	19.81	0.00	15.24	0.00
3.300	0.3	3.5	16.57	0.00	12.75	0.00
3.400	0.1	1.7	13.57	0.00	10.44	0.00
3.500	0.0	-0.1	-11.30	0.00	-8.69	0.00
3.600	-0.2	-2.0	-13.83	0.00	-10.64	0.00
3.700	-0.3	-3.8	-16.79	0.00	-12.92	0.00
3.800	-0.5	-5.7	-20.08	0.00	-15.45	0.00
3.900	-0.6	-7.5	-23.31	0.00	-17.93	0.00
4.000	-0.8	-9.3	-26.30	0.00	-20.23	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

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	0.7	-9.3	26.09	0.00	20.07	0.00
4.100	0.6	7.4	23.11	0.00	17.77	0.00
4.200	0.5	5.6	19.89	0.00	15.30	0.00
4.300	0.3	3.7	16.62	0.00	12.78	0.00
4.400	0.2	1.9	13.65	0.00	10.50	0.00
4.500	0.0	0.1	11.15	0.00	8.58	0.00
4.600	-0.1	-1.8	-13.64	0.00	-10.49	0.00
4.700	-0.3	-3.6	-16.59	0.00	-12.76	0.00
4.800	-0.4	-5.5	-19.87	0.00	-15.28	0.00
4.900	-0.6	-7.3	-23.07	0.00	-17.74	0.00
5.000	-0.7	-9.1	-26.04	0.00	-20.03	0.00
5.000	0.7	9.1	26.04	0.00	20.03	0.00
5.100	0.6	7.3	23.07	0.00	17.74	0.00
5.200	0.4	5.5	19.87	0.00	15.28	0.00
5.300	0.3	3.6	16.59	0.00	12.76	0.00
5.400	0.1	1.8	13.64	0.00	10.49	0.00
5.500	0.0	-0.1	-11.15	0.00	-8.58	0.00
5.600	-0.2	-1.9	-13.65	0.00	-10.50	0.00
5.700	-0.3	-3.7	-16.62	0.00	-12.78	0.00
5.800	-0.5	-5.6	-19.89	0.00	-15.30	0.00
5.900	-0.6	-7.4	-23.11	0.00	-17.77	0.00
6.000	-0.7	-9.2	-26.09	0.00	-20.07	0.00
6.000	0.8	9.3	26.30	0.00	20.23	0.00
6.100	0.6	7.5	23.31	0.00	17.93	0.00
6.200	0.5	5.7	20.08	0.00	15.45	0.00
6.300	0.3	3.8	16.79	0.00	12.92	0.00
6.400	0.2	2.0	13.83	0.00	10.64	0.00
6.500	0.0	0.2	11.30	0.00	8.69	0.00
6.600	-0.1	-1.7	-13.57	0.00	-10.44	0.00
6.700	-0.3	-3.5	-16.57	0.00	-12.75	0.00
6.800	-0.4	-5.4	-19.81	0.00	-15.24	0.00
6.900	-0.6	-7.2	-22.99	0.00	-17.69	0.00
7.000	-0.7	-9.0	-25.95	0.00	-19.96	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

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	0.7	-9.0	25.68	0.00	19.76	0.00
7.100	0.6	6.8	22.61	0.00	17.39	0.00
7.200	0.4	5.0	19.38	0.00	14.91	0.00
7.300	0.3	3.2	16.16	0.00	12.43	0.00
7.400	0.1	1.4	13.22	0.00	10.17	0.00
7.500	0.0	-0.5	-11.58	0.00	-8.91	0.00
7.600	-0.2	-2.4	-13.97	0.00	-10.75	0.00
7.700	-0.3	-4.2	-16.67	0.00	-12.82	0.00
7.800	-0.5	-6.0	-20.19	0.00	-15.53	0.00
7.900	-0.6	-7.9	-23.58	0.00	-18.14	0.00
8.000	-0.8	-9.7	-26.68	0.00	-20.52	0.00
8.000	0.9	11.1	27.13	0.00	20.87	0.00
8.100	0.8	9.3	24.44	0.00	18.80	0.00
8.200	0.6	7.4	21.45	0.00	16.50	0.00
8.300	0.5	5.6	18.62	0.00	14.33	0.00
8.400	0.3	3.8	15.87	0.00	12.21	0.00
8.500	0.2	1.9	13.29	0.00	10.23	0.00
8.600	0.0	0.1	-11.06	0.00	-8.51	0.00
8.700	-0.1	-1.8	-14.03	0.00	-10.79	0.00
8.800	-0.3	-3.6	-17.54	0.00	-13.49	0.00
8.900	-0.4	-5.4	-21.24	0.00	-16.34	0.00
9.000	-0.6	-7.3	-25.07	0.00	-19.28	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	151.3	-124.2	108.5
1.100	151.3	-122.2	110.5
1.200	151.3	-120.3	112.5
1.300	151.3	-118.3	114.5
1.400	151.3	-116.3	116.4
1.500	151.3	-114.3	118.4
1.600	151.3	-112.3	120.5
1.700	151.3	-110.3	122.4
1.800	151.3	-108.3	124.4
1.900	151.3	-106.3	126.4
2.000	151.3	-104.4	128.4
2.000	151.3	-104.4	105.9
2.100	151.3	-124.9	107.9
2.200	151.3	-122.9	109.8
2.300	151.3	-120.9	111.8
2.400	151.3	-118.9	113.8
2.500	151.3	-117.0	115.8
2.600	151.3	-114.9	117.8
2.700	151.3	-112.9	119.8
2.800	151.3	-111.0	121.8
2.900	151.3	-109.0	123.8
3.000	151.3	-107.0	117.1
3.000	151.3	-107.0	106.6
3.100	151.3	-124.2	108.6
3.200	151.3	-122.2	110.6
3.300	151.3	-120.2	112.5
3.400	151.3	-118.2	114.5
3.500	151.3	-116.3	116.5
3.600	151.3	-114.2	118.5
3.700	151.3	-112.2	120.5
3.800	151.3	-110.3	122.5
3.900	151.3	-108.3	124.5
4.000	151.3	-106.3	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-106.3	106.4
4.100	151.3	-124.4	108.4
4.200	151.3	-122.4	110.4
4.300	151.3	-120.4	112.3
4.400	151.3	-118.4	114.3
4.500	151.3	-116.5	116.3
4.600	151.3	-114.4	118.3
4.700	151.3	-112.4	120.3
4.800	151.3	-110.5	122.3
4.900	151.3	-108.5	124.3
5.000	151.3	-106.5	117.1
5.000	151.3	-106.5	106.5
5.100	151.3	-124.3	108.5
5.200	151.3	-122.3	110.5
5.300	151.3	-120.3	112.4
5.400	151.3	-118.3	114.4
5.500	151.3	-116.4	116.4
5.600	151.3	-114.3	118.4
5.700	151.3	-112.3	120.4
5.800	151.3	-110.4	122.4
5.900	151.3	-108.4	124.4
6.000	151.3	-106.4	117.1
6.000	151.3	-106.4	106.3
6.100	151.3	-124.5	108.3
6.200	151.3	-122.5	110.3
6.300	151.3	-120.5	112.2
6.400	151.3	-118.5	114.2
6.500	151.3	-116.6	116.2
6.600	151.3	-114.5	118.2
6.700	151.3	-112.5	120.2
6.800	151.3	-110.6	122.2
6.900	151.3	-108.6	124.2
7.000	151.3	-106.6	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-106.6	107.0
7.100	151.3	-123.8	109.0
7.200	151.3	-121.8	111.0
7.300	151.3	-119.8	112.9
7.400	151.3	-117.8	114.9
7.500	151.3	-115.8	116.9
7.600	151.3	-113.8	118.9
7.700	151.3	-111.8	120.9
7.800	151.3	-109.8	122.9
7.900	151.3	-107.9	124.9
8.000	151.3	-105.9	117.2
8.000	151.3	-105.9	104.4
8.100	151.3	-126.4	106.3
8.200	151.3	-124.4	108.3
8.300	151.3	-122.4	110.3
8.400	151.3	-120.5	112.3
8.500	151.3	-118.5	114.3
8.600	151.3	-116.4	116.3
8.700	151.3	-114.5	118.3
8.800	151.3	-112.5	120.3
8.900	151.3	-110.5	122.2
9.000	151.3	-108.5	117.0

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	59.08	4.33	0.00	346.3
1.100	34.42	5.20	0.00	416.2
1.200	22.22	6.41	0.00	513.0
1.300	14.45	8.16	0.00	652.9
1.400	10.52	10.77	0.00	841.4
1.500	8.60	14.05	0.00	688.1
1.600	7.07	19.80	0.00	565.9
1.700	5.92	29.94	0.00	473.8
1.800	5.05	53.28	0.00	404.1
1.900	4.35	144.24	0.00	348.1
2.000	3.85	262.51	0.00	307.7
2.000	3.85	3.99	0.00	307.7
2.100	41.62	4.57	0.00	366.0
2.200	26.97	5.44	0.00	435.3
2.300	18.93	6.71	0.00	536.6
2.400	14.05	8.15	0.00	651.6
2.500	10.88	9.99	0.00	799.6
2.600	8.69	12.47	0.00	695.5
2.700	6.99	16.22	0.00	559.0
2.800	5.72	22.28	0.00	458.0
2.900	4.82	33.02	0.00	385.6
3.000	4.17	36.83	0.00	333.3
3.000	4.17	4.11	0.00	328.6
3.100	39.02	4.72	0.00	377.8
3.200	25.81	5.58	0.00	446.5
3.300	18.07	6.79	0.00	543.3
3.400	13.33	8.44	0.00	675.0
3.500	10.29	10.50	0.00	823.1
3.600	8.26	13.56	0.00	660.7
3.700	6.68	18.33	0.00	534.6
3.800	5.49	26.25	0.00	439.2
3.900	4.64	40.50	0.00	371.6
4.000	4.04	48.95	0.00	323.3

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.04	4.08	0.00	323.3
4.100	40.92	4.69	0.00	375.2
4.200	26.64	5.55	0.00	443.9
4.300	18.46	6.76	0.00	540.7
4.400	13.58	8.38	0.00	670.0
4.500	10.48	10.43	0.00	834.5
4.600	8.39	13.50	0.00	671.1
4.700	6.78	18.29	0.00	542.0
4.800	5.56	26.26	0.00	444.8
4.900	4.70	40.24	0.00	376.2
5.000	4.09	46.74	0.00	327.1
5.000	4.09	4.09	0.00	327.1
5.100	40.24	4.70	0.00	376.2
5.200	26.26	5.56	0.00	444.8
5.300	18.29	6.78	0.00	542.0
5.400	13.50	8.39	0.00	671.1
5.500	10.44	10.47	0.00	835.0
5.600	8.38	13.58	0.00	670.0
5.700	6.76	18.46	0.00	540.7
5.800	5.55	26.64	0.00	443.9
5.900	4.69	40.92	0.00	375.2
6.000	4.08	47.01	0.00	326.2
6.000	4.08	4.04	0.00	323.3
6.100	40.50	4.64	0.00	371.6
6.200	26.25	5.49	0.00	439.2
6.300	18.33	6.68	0.00	534.6
6.400	13.56	8.26	0.00	660.7
6.500	10.50	10.28	0.00	822.6
6.600	8.44	13.33	0.00	675.0
6.700	6.79	18.07	0.00	543.3
6.800	5.58	25.81	0.00	446.5
6.900	4.72	39.02	0.00	377.8
7.000	4.11	46.97	0.00	328.6

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.11	4.17	0.00	328.6
7.100	33.02	4.82	0.00	385.6
7.200	22.28	5.72	0.00	458.0
7.300	16.22	6.99	0.00	559.0
7.400	12.47	8.69	0.00	695.5
7.500	10.00	10.87	0.00	800.1
7.600	8.15	14.05	0.00	651.6
7.700	6.71	18.93	0.00	536.6
7.800	5.44	26.97	0.00	435.3
7.900	4.57	41.62	0.00	366.0
8.000	3.97	47.94	0.00	317.6
8.000	3.97	3.85	0.00	307.7
8.100	144.24	4.35	0.00	348.2
8.200	53.28	5.05	0.00	404.1
8.300	29.94	5.92	0.00	473.8
8.400	19.80	7.07	0.00	565.9
8.500	14.05	8.60	0.00	687.7
8.600	10.53	10.76	0.00	842.1
8.700	8.16	14.45	0.00	652.9
8.800	6.41	22.22	0.00	513.0
8.900	5.20	34.42	0.00	416.2
9.000	4.33	999.00	0.00	346.3

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	294.8	294.8	-264.0	-2
64.0								
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	267.0	267.0	-291.8	-2
91.8								
3.400	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
98.6								
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	260.9	260.9	-297.9	-2
97.9								
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	297.7	297.7	-261.1	-2
61.1								
4.000	279.4	279.4	-279.4	-279.4	319.5	319.5	-239.3	-2
39.3								

6.000 39.3	279.4	279.4	-279.4	-279.4	319.5	319.5	-239.3	-2
6.000 39.3	279.4	279.4	-279.4	-279.4	319.5	319.5	-239.3	-2
6.100 61.1	279.4	279.4	-279.4	-279.4	297.7	297.7	-261.1	-2
6.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
6.300 90.3	279.4	279.4	-279.4	-279.4	268.5	268.5	-290.3	-2
6.400 97.9	279.4	279.4	-279.4	-279.4	260.9	260.9	-297.9	-2
6.500 00.7	279.4	279.4	-279.4	-279.4	258.1	258.1	-300.7	-3
6.600 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
6.700 91.8	279.4	279.4	-279.4	-279.4	267.0	267.0	-291.8	-2
6.800 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
6.900 64.0	279.4	279.4	-279.4	-279.4	294.8	294.8	-264.0	-2
7.000 43.0	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1T

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 43.0	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
7.100 63.0	279.4	279.4	-279.4	-279.4	295.8	295.8	-263.0	-2
7.200 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
7.300 88.9	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
7.400 94.7	279.4	279.4	-279.4	-279.4	264.1	264.1	-294.7	-2
7.500 95.8	279.4	279.4	-279.4	-279.4	263.0	263.0	-295.8	-2
7.600 92.0	279.4	279.4	-279.4	-279.4	266.8	266.8	-292.0	-2
7.700 83.5	279.4	279.4	-279.4	-279.4	275.3	275.3	-283.5	-2
7.800 70.3	279.4	279.4	-279.4	-279.4	288.5	288.5	-270.3	-2
7.900 52.3	279.4	279.4	-279.4	-279.4	306.5	306.5	-252.3	-2
8.000 29.6	279.4	279.4	-279.4	-279.4	329.2	329.2	-229.6	-2
8.000 29.6	279.4	279.4	-279.4	-279.4	329.2	329.2	-229.6	-2
8.100 56.0	279.4	279.4	-279.4	-279.4	302.8	302.8	-256.0	-2
8.200 77.6	279.4	279.4	-279.4	-279.4	281.2	281.2	-277.6	-2
8.300 94.5	279.4	279.4	-279.4	-279.4	264.3	264.3	-294.5	-2
8.400 06.6	279.4	279.4	-279.4	-279.4	252.2	252.2	-306.6	-3
8.500 14.0	279.4	279.4	-279.4	-279.4	244.8	244.8	-314.0	-3
8.600 16.6	279.4	279.4	-279.4	-279.4	242.2	242.2	-316.6	-3
8.700 14.4	279.4	279.4	-279.4	-279.4	244.4	244.4	-314.4	-3
8.800 07.5	279.4	279.4	-279.4	-279.4	251.3	251.3	-307.5	-3
8.900 95.8	279.4	279.4	-279.4	-279.4	263.0	263.0	-295.8	-2

9.000	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
79.4								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

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	58.82	5.18	58.82	0.00	414.1
1.200	3.00	30.57	3.00	30.57	0.00	239.7
1.300	2.43	20.84	2.43	20.84	0.00	194.3
1.400	2.29	15.74	2.29	15.74	0.00	183.0
1.500	2.36	12.49	2.36	12.49	0.00	188.5
1.600	2.64	10.16	2.64	10.16	0.00	211.1
1.700	3.44	8.37	3.44	8.37	0.00	275.2
1.800	5.31	6.90	5.31	6.90	0.00	424.7
1.900	12.36	5.53	12.36	5.53	0.00	442.4
2.000	28.16	3.14	28.16	3.14	0.00	251.5
2.000	28.16	3.14	28.16	3.14	0.00	251.5
2.100	14.30	4.71	14.30	4.71	0.00	376.9
2.200	6.19	5.86	6.19	5.86	0.00	468.9
2.300	3.95	6.70	3.95	6.70	0.00	315.8
2.400	3.29	7.32	3.29	7.32	0.00	263.1
2.500	3.09	7.85	3.09	7.85	0.00	247.0
2.600	3.21	8.00	3.21	8.00	0.00	256.9
2.700	3.78	7.61	3.78	7.61	0.00	302.5
2.800	5.25	6.97	5.25	6.97	0.00	420.2
2.900	10.44	6.01	10.44	6.01	0.00	480.4
3.000	19.66	4.10	19.66	4.10	0.00	327.9
3.000	19.66	4.10	19.66	4.10	0.00	327.9
3.100	10.01	6.23	10.01	6.23	0.00	498.5
3.200	5.09	7.35	5.09	7.35	0.00	407.0
3.300	3.65	8.15	3.65	8.15	0.00	292.2
3.400	3.05	8.73	3.05	8.73	0.00	244.0
3.500	2.92	8.78	2.92	8.78	0.00	233.8
3.600	3.11	8.47	3.11	8.47	0.00	248.5
3.700	3.72	7.77	3.72	7.77	0.00	297.4
3.800	5.26	6.95	5.26	6.95	0.00	420.7
3.900	10.79	5.90	10.79	5.90	0.00	472.2
4.000	25.38	4.01	25.38	4.01	0.00	320.9

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	25.38	4.01	25.38	4.01	0.00	320.9
4.100	11.02	5.79	11.02	5.79	0.00	463.5
4.200	5.31	6.82	5.31	6.82	0.00	425.1
4.300	3.74	7.64	3.74	7.64	0.00	299.5
4.400	3.13	8.33	3.13	8.33	0.00	250.8
4.500	2.98	8.70	2.98	8.70	0.00	238.2
4.600	3.12	8.51	3.12	8.51	0.00	249.9
4.700	3.74	7.79	3.74	7.79	0.00	299.4
4.800	5.23	6.97	5.23	6.97	0.00	418.4
4.900	10.66	5.93	10.66	5.93	0.00	474.5
5.000	25.13	4.06	25.13	4.06	0.00	324.8
5.000	25.13	4.06	25.13	4.06	0.00	324.8
5.100	10.66	5.93	10.66	5.93	0.00	474.5
5.200	5.23	6.97	5.23	6.97	0.00	418.4
5.300	3.74	7.79	3.74	7.79	0.00	299.4
5.400	3.12	8.47	3.12	8.47	0.00	249.9
5.500	2.98	8.70	2.98	8.70	0.00	238.2
5.600	3.13	8.36	3.13	8.36	0.00	250.8
5.700	3.74	7.64	3.74	7.64	0.00	299.5
5.800	5.31	6.82	5.31	6.82	0.00	425.1
5.900	11.02	5.79	11.02	5.79	0.00	463.5
6.000	26.42	4.01	26.42	4.01	0.00	320.9
6.000	26.42	4.01	26.42	4.01	0.00	320.9
6.100	10.79	5.90	10.79	5.90	0.00	472.2
6.200	5.26	6.95	5.26	6.95	0.00	420.7
6.300	3.72	7.77	3.72	7.77	0.00	297.4
6.400	3.11	8.47	3.11	8.47	0.00	248.5
6.500	2.92	8.78	2.92	8.78	0.00	233.8
6.600	3.05	8.73	3.05	8.73	0.00	244.0
6.700	3.65	8.15	3.65	8.15	0.00	292.2
6.800	5.09	7.35	5.09	7.35	0.00	407.0
6.900	10.01	6.23	10.01	6.23	0.00	498.5
7.000	19.66	4.10	19.66	4.10	0.00	328.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1T

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	19.66	4.10	19.66	4.10	0.00	328.0
7.100	10.43	6.01	10.43	6.01	0.00	480.4
7.200	5.25	6.97	5.25	6.97	0.00	420.2
7.300	3.78	7.61	3.78	7.61	0.00	302.5
7.400	3.21	8.00	3.21	8.00	0.00	256.9
7.500	3.09	7.85	3.09	7.85	0.00	247.0
7.600	3.29	7.32	3.29	7.32	0.00	263.1
7.700	3.95	6.70	3.95	6.70	0.00	315.8
7.800	6.19	5.86	6.19	5.86	0.00	468.9
7.900	14.30	4.71	14.30	4.71	0.00	376.9
8.000	28.16	3.14	28.16	3.14	0.00	251.5
8.000	28.16	3.14	28.16	3.14	0.00	251.5
8.100	12.36	5.53	12.36	5.53	0.00	442.4
8.200	5.31	6.90	5.31	6.90	0.00	424.7
8.300	3.44	8.37	3.44	8.37	0.00	275.2
8.400	2.64	10.16	2.64	10.16	0.00	211.1
8.500	2.36	12.49	2.36	12.49	0.00	188.5
8.600	2.29	15.74	2.29	15.74	0.00	183.0
8.700	2.43	20.84	2.43	20.84	0.00	194.3
8.800	3.00	30.57	3.00	30.57	0.00	239.7
8.900	5.18	58.82	5.18	58.82	0.00	414.1
9.000	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 8

Live Load Distribution Factor 1.143

Second Live Load Dist. Factor 1.143

Comments:

Member I. D. S02 Symmetry:

Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5
	23.917	23.917	23.917	23.917	23.917
	Span 6	Span 7	Span 8	Span 9	Span 10
	23.917	23.917	23.917	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	23.917	1	0		0.0	0.0
2	1	23.917	1	0		0.0	0.0
3	1	23.917	1	0		0.0	0.0
4	1	23.917	1	0		0.0	0.0
5	1	23.917	1	0		0.0	0.0
6	1	23.917	1	0		0.0	0.0
7	1	23.917	1	0		0.0	0.0
8	1	23.917	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	23.917	0.0
1	P	11.958	0.0	0.0	0.000	0.1
2	W	0.000	615.0	615.0	23.917	0.0
2	P	11.958	0.0	0.0	0.000	0.1
3	W	0.000	615.0	615.0	23.917	0.0
3	P	11.958	0.0	0.0	0.000	0.1
4	W	0.000	615.0	615.0	23.917	0.0
4	P	11.958	0.0	0.0	0.000	0.1
5	W	0.000	615.0	615.0	23.917	0.0
5	P	11.958	0.0	0.0	0.000	0.1
6	W	0.000	615.0	615.0	23.917	0.0
6	P	11.958	0.0	0.0	0.000	0.1
7	W	0.000	615.0	615.0	23.917	0.0
7	P	11.958	0.0	0.0	0.000	0.1
8	W	0.000	615.0	615.0	23.917	0.0
8	P	11.958	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	20.99	19.76	0.40	0.0	0.0	33.
1.100	20.99	19.76	0.40	0.0	0.0	33.
1.200	20.99	19.76	0.40	0.0	0.0	33.
1.300	20.99	19.76	0.40	0.0	0.0	33.
1.400	20.99	19.76	0.40	0.0	0.0	33.
1.500	20.99	19.76	0.40	0.0	0.0	33.
1.600	20.99	19.76	0.40	0.0	0.0	33.
1.700	20.99	19.76	0.40	0.0	0.0	33.
1.800	20.99	19.76	0.40	0.0	0.0	33.
1.900	20.99	19.76	0.40	0.0	0.0	33.
2.000	20.99	19.76	0.40	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.

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	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
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 Top	Bott.	-Bend 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

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	1.2	12.3	62.06 L	39.19	47.74	30.15
1.200	2.1	21.0	100.45 L	66.77	77.27	51.36
1.300	2.6	26.2	117.89 L	84.85	90.68	65.27
1.400	2.8	27.9	117.79 L	92.13	90.61	70.87
1.500	2.6	26.1	113.58 L	91.16	87.37	70.12
1.600	2.0	20.5	103.37 L	81.03	79.51	62.33
1.700	1.1	11.3	88.88 L	64.70	68.37	49.77
1.800	-0.2	-1.4	55.44 L	42.24	42.64	32.49
1.900	-1.8	-17.6	-53.85 R	-54.31	-41.42	-41.78
2.000	-3.8	-37.3	-100.91 L	-90.69	-77.62	-69.76
2.000	-3.8	-37.3	-100.91 L	-90.69	-77.62	-69.76
2.100	-2.1	-20.3	-67.67 R	-56.20	-52.06	-43.23
2.200	-0.7	-6.8	59.45 R	40.91	45.73	31.47
2.300	0.3	3.1	83.79 R	60.87	64.45	46.83
2.400	0.9	9.5	92.63 R	72.64	71.26	55.87
2.500	1.2	12.5	88.69 L	77.29	68.22	59.45
2.600	1.1	11.5	90.93 L	72.82	69.95	56.01
2.700	0.7	7.1	81.52 L	61.38	62.71	47.22
2.800	-0.1	-0.8	56.42 L	42.82	43.40	32.94
2.900	-1.3	-12.3	-54.60 L	-50.59	-42.00	-38.91
3.000	-2.8	-27.3	-95.40 L	-84.60	-73.38	-65.08
3.000	-2.8	-27.3	-95.40 L	-84.60	-73.38	-65.08
3.100	-1.2	-11.6	-55.60 R	-50.39	-42.77	-38.76
3.200	0.0	0.6	56.67 R	43.00	43.59	33.08
3.300	0.9	9.3	81.57 R	62.17	62.75	47.83
3.400	1.4	14.5	91.09 R	73.64	70.07	56.65
3.500	1.6	16.1	87.89 L	78.07	67.61	60.06
3.600	1.4	13.9	90.97 L	73.39	69.98	56.45
3.700	0.8	8.2	81.41 L	61.68	62.62	47.45
3.800	-0.1	-1.0	56.45 L	42.78	43.42	32.90
3.900	-1.4	-13.8	-54.66 L	-51.04	-42.05	-39.26
4.000	-3.0	-30.0	-95.00 L	-85.49	-73.08	-65.76

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	-3.0	-30.0	-95.00 L	-85.49	-73.08	-65.76
4.100	-1.4	-13.9	-54.73 R	-51.14	-42.10	-39.34
4.200	-0.2	-1.4	56.47 R	42.17	43.44	32.44
4.300	0.7	7.7	81.41 R	61.47	62.62	47.28
4.400	1.3	13.2	90.98 R	73.08	69.99	56.22
4.500	1.5	15.2	87.83 L	77.68	67.56	59.75
4.600	1.3	13.4	90.98 L	73.15	69.98	56.27
4.700	0.8	8.0	81.40 L	61.60	62.61	47.38
4.800	-0.1	-0.8	56.45 L	42.85	43.42	32.96
4.900	-1.3	-13.2	-54.67 L	-50.83	-42.05	-39.10
5.000	-2.9	-29.1	-94.97 R	-85.13	-73.06	-65.48
5.000	-2.9	-29.1	-94.97 R	-85.13	-73.06	-65.48
5.100	-1.3	-13.2	-54.67 R	-50.85	-42.05	-39.12
5.200	-0.1	-0.8	56.45 R	42.38	43.42	32.60
5.300	0.8	8.0	81.40 R	61.60	62.61	47.39
5.400	1.3	13.4	90.98 R	73.15	69.98	56.27
5.500	1.5	15.2	87.83 R	77.68	67.56	59.75
5.600	1.3	13.2	90.98 L	73.08	69.99	56.22
5.700	0.7	7.7	81.41 L	61.47	62.62	47.28
5.800	-0.2	-1.4	56.47 L	42.64	43.44	32.80
5.900	-1.4	-13.9	-54.73 L	-51.12	-42.10	-39.32
6.000	-3.0	-30.0	-94.99 L	-85.49	-73.07	-65.76
6.000	-3.0	-30.0	-94.99 L	-85.49	-73.07	-65.76
6.100	-1.4	-13.8	-54.66 R	-51.07	-42.05	-39.28
6.200	-0.1	-1.0	56.45 R	42.30	43.42	32.54
6.300	0.8	8.2	81.41 R	61.68	62.62	47.45
6.400	1.4	13.9	90.97 R	73.39	69.98	56.45
6.500	1.6	16.1	87.89 R	78.07	67.61	60.06
6.600	1.4	14.5	91.09 L	73.64	70.07	56.65
6.700	0.9	9.3	81.57 L	62.17	62.74	47.83
6.800	0.0	0.6	56.67 L	43.47	43.59	33.44
6.900	-1.2	-11.6	-55.60 L	-50.37	-42.77	-38.74
7.000	-2.8	-27.3	-95.28 L	-84.60	-73.29	-65.08

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	-2.8	-27.3	-95.28 L	-84.60	-73.29	-65.08
7.100	-1.3	-12.3	-54.60 R	-50.61	-42.00	-38.93
7.200	-0.1	-0.8	56.43 R	42.35	43.40	32.58
7.300	0.7	7.1	81.52 R	61.38	62.71	47.22
7.400	1.1	11.5	90.93 R	72.82	69.95	56.01
7.500	1.2	12.5	88.69 R	77.29	68.22	59.45
7.600	0.9	9.5	92.63 L	72.64	71.26	55.87
7.700	0.3	3.1	83.79 L	60.87	64.45	46.82
7.800	-0.7	-6.8	59.45 L	40.91	45.73	31.47
7.900	-2.1	-20.3	-67.67 L	-56.18	-52.05	-43.21
8.000	-3.8	-37.3	-100.87 R	-90.69	-77.59	-69.76
8.000	-3.8	-37.3	-100.87 R	-90.69	-77.59	-69.76
8.100	-1.8	-17.6	-53.85 L	-54.33	-41.42	-41.79
8.200	-0.2	-1.4	55.44 R	41.77	42.64	32.13
8.300	1.1	11.3	88.88 R	64.70	68.37	49.77
8.400	2.0	20.5	103.37 R	81.03	79.51	62.33
8.500	2.6	26.1	113.58 R	91.16	87.37	70.12
8.600	2.8	27.9	117.79 R	92.13	90.61	70.87
8.700	2.6	26.2	117.89 R	84.85	90.68	65.27
8.800	2.1	21.0	100.45 R	66.77	77.27	51.36
8.900	1.2	12.3	62.06 R	39.19	47.74	30.15
9.000	0.0	0.0	0.00 R	0.00	0.00	0.00

4	3.000	180.4C	161.2	-161.2	-180.4C	198.4	179.2	-143.2	-162.
4	3.000	180.4C	161.2	-161.2	-180.4C	198.4	179.2	-143.2	-162.
7	3.100	180.4C	161.2	-161.2	-180.4C	188.0	168.8	-153.5	-172.
8	3.200	180.4C	161.2	-161.2	-180.4C	180.0	160.8	-161.6	-180.
5	3.300	180.4C	161.2	-161.2	-180.4C	174.3	155.1	-167.3	-186.
9	3.400	180.4C	161.2	-161.2	-180.4C	170.9	151.7	-170.7	-189.
0	3.500	180.4C	161.2	-161.2	-180.4C	169.8	150.6	-171.8	-191.
5	3.600	180.4C	161.2	-161.2	-180.4C	171.2	152.0	-170.3	-189.
8	3.700	180.4C	161.2	-161.2	-180.4C	175.0	155.8	-166.6	-185.
7	3.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
3	3.900	180.4C	161.2	-161.2	-180.4C	189.5	170.3	-152.1	-171.
6	4.000	180.4C	161.2	-161.2	-180.4C	200.2	181.0	-141.4	-160.

6	6.000	180.4C	161.2	-161.2	-180.4C	200.2	181.0	-141.4	-160.
6	6.000	180.4C	161.2	-161.2	-180.4C	200.2	181.0	-141.4	-160.
3	6.100	180.4C	161.2	-161.2	-180.4C	189.5	170.3	-152.1	-171.
7	6.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.5	-179.
8	6.300	180.4C	161.2	-161.2	-180.4C	175.0	155.8	-166.6	-185.
5	6.400	180.4C	161.2	-161.2	-180.4C	171.2	152.0	-170.3	-189.
0	6.500	180.4C	161.2	-161.2	-180.4C	169.8	150.6	-171.8	-191.
9	6.600	180.4C	161.2	-161.2	-180.4C	170.9	151.7	-170.7	-189.
5	6.700	180.4C	161.2	-161.2	-180.4C	174.3	155.1	-167.3	-186.
8	6.800	180.4C	161.2	-161.2	-180.4C	180.0	160.8	-161.6	-180.
7	6.900	180.4C	161.2	-161.2	-180.4C	188.0	168.8	-153.5	-172.
4	7.000	180.4C	161.2	-161.2	-180.4C	198.4	179.2	-143.2	-162.

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
7.000	180.4C	161.2	-161.2	-180.4C	198.4	179.2	-143.2	-162.
7.100	180.4C	161.2	-161.2	-180.4C	188.5	169.3	-153.1	-172.
7.200	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
7.300	180.4C	161.2	-161.2	-180.4C	175.7	156.5	-165.9	-185.
7.400	180.4C	161.2	-161.2	-180.4C	172.8	153.6	-168.8	-188.
7.500	180.4C	161.2	-161.2	-180.4C	172.2	153.0	-169.4	-188.
7.600	180.4C	161.2	-161.2	-180.4C	174.1	154.9	-167.5	-186.
7.700	180.4C	161.2	-161.2	-180.4C	178.4	159.2	-163.2	-182.
7.800	180.4C	161.2	-161.2	-180.4C	184.9	165.7	-156.7	-175.
7.900	180.4C	161.2	-161.2	-180.4C	193.8	174.6	-147.8	-167.
8.000	180.4C	161.2	-161.2	-180.4C	205.0	185.8	-136.6	-155.
8.000	180.4C	161.2	-161.2	-180.4C	205.0	185.8	-136.6	-155.
8.100	180.4C	161.2	-161.2	-180.4C	192.0	172.8	-149.6	-168.
8.200	180.4C	161.2	-161.2	-180.4C	181.3	162.1	-160.3	-179.
8.300	180.4C	161.2	-161.2	-180.4C	172.9	153.8	-168.6	-187.
8.400	180.4C	161.2	-161.2	-180.4C	166.9	147.7	-174.7	-193.
8.500	180.4C	161.2	-161.2	-180.4C	163.2	144.0	-178.4	-197.
8.600	180.4C	161.2	-161.2	-180.4C	162.0	142.8	-179.6	-198.
8.700	180.4C	161.2	-161.2	-180.4C	163.1	143.9	-178.5	-197.
8.800	180.4C	161.2	-161.2	-180.4C	166.5	147.3	-175.0	-194.
8.900	180.4C	161.2	-161.2	-180.4C	172.3	153.1	-169.3	-188.

9.000 180.4C 161.2 -161.2 -180.4C 180.4 161.2 -161.2 -180.
4

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	32.58	2.47	36.27	HS 49.34 88.8
1.200	1.66	16.84	1.47	18.69	HS 29.34 52.8
1.300	1.38	11.45	1.22	12.68	HS 24.41 43.9
1.400	1.38	8.64	1.21	9.56	HS 24.24 43.6
1.500	1.44	6.87	1.27	7.61	HS 25.35 45.6
1.600	1.62	5.60	1.43	6.22	HS 28.58 51.4
1.700	1.95	4.64	1.73	5.16	HS 34.60 62.3
1.800	3.27	3.86	2.92	4.32	HS 58.49 105.3
1.900	9.33	2.75	8.39	3.11	HS 55.08 99.1
2.000	14.73	1.35	13.35	1.54	HS 27.07 48.7
2.000	14.73	1.35	13.35	1.54	HS 27.07 48.7
2.100	9.06	2.18	8.16	2.47	HS 43.67 78.6
2.200	3.11	2.80	2.79	3.14	HS 55.75 100.4
2.300	2.13	3.52	1.90	3.93	HS 37.99 68.4
2.400	1.88	4.53	1.67	5.05	HS 33.45 60.2
2.500	1.94	6.18	1.73	6.88	HS 34.50 62.1
2.600	1.90	6.06	1.69	6.75	HS 33.78 60.8
2.700	2.15	4.76	1.92	5.32	HS 38.40 69.1
2.800	3.21	3.85	2.87	4.30	HS 57.34 103.2
2.900	7.81	2.80	7.02	3.15	HS 56.07 100.9
3.000	9.88	1.50	8.93	1.70	HS 30.01 54.0
3.000	9.88	1.50	8.93	1.70	HS 30.01 54.0
3.100	7.55	2.76	6.78	3.11	HS 55.23 99.4
3.200	3.18	3.83	2.84	4.29	HS 56.75 102.2
3.300	2.14	4.78	1.90	5.33	HS 38.02 68.4
3.400	1.88	6.13	1.66	6.82	HS 33.30 59.9
3.500	1.93	8.13	1.71	9.04	HS 34.27 61.7
3.600	1.88	6.17	1.67	6.87	HS 33.42 60.2
3.700	2.15	4.80	1.91	5.36	HS 38.28 68.9
3.800	3.21	3.84	2.87	4.30	HS 57.35 103.2
3.900	8.00	2.78	7.19	3.13	HS 55.65 100.2
4.000	12.97	1.49	11.73	1.69	HS 29.76 53.6

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	12.97	1.49	11.73	1.69	HS 29.76	53.6
4.100	7.90	2.78	7.10	3.13	HS 55.54	100.0
4.200	3.21	3.83	2.87	4.29	HS 57.42	103.4
4.300	2.15	4.79	1.92	5.34	HS 38.36	69.1
4.400	1.89	6.15	1.68	6.85	HS 33.53	60.3
4.500	1.94	8.02	1.72	8.92	HS 34.43	62.0
4.600	1.89	6.16	1.67	6.86	HS 33.50	60.3
4.700	2.15	4.80	1.91	5.35	HS 38.31	69.0
4.800	3.20	3.84	2.87	4.30	HS 57.31	103.2
4.900	7.91	2.79	7.11	3.14	HS 55.78	100.4
5.000	12.72	1.50	11.50	1.70	HS 29.90	53.8
5.000	12.72	1.50	11.50	1.70	HS 29.90	53.8
5.100	7.78	2.79	6.99	3.14	HS 55.78	100.4
5.200	3.20	3.84	2.87	4.30	HS 57.31	103.2
5.300	2.15	4.80	1.91	5.35	HS 38.31	69.0
5.400	1.89	6.16	1.67	6.86	HS 33.50	60.3
5.500	1.94	8.02	1.72	8.92	HS 34.43	62.0
5.600	1.89	6.15	1.68	6.85	HS 33.53	60.3
5.700	2.15	4.79	1.92	5.34	HS 38.36	69.1
5.800	3.21	3.83	2.87	4.29	HS 57.42	103.4
5.900	8.03	2.78	7.22	3.13	HS 55.54	100.0
6.000	12.97	1.49	11.73	1.69	HS 29.76	53.6
6.000	12.97	1.49	11.73	1.69	HS 29.76	53.6
6.100	7.87	2.78	7.07	3.13	HS 55.65	100.2
6.200	3.21	3.84	2.87	4.30	HS 57.35	103.2
6.300	2.15	4.80	1.91	5.36	HS 38.28	68.9
6.400	1.88	6.17	1.67	6.87	HS 33.42	60.2
6.500	1.93	8.13	1.71	9.04	HS 34.27	61.7
6.600	1.88	6.13	1.66	6.82	HS 33.30	59.9
6.700	2.14	4.78	1.90	5.33	HS 38.02	68.4
6.800	3.18	3.83	2.84	4.29	HS 56.75	102.2
6.900	7.67	2.76	6.89	3.11	HS 55.23	99.4
7.000	9.88	1.50	8.93	1.70	HS 30.05	54.1

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		
7.000	9.88	1.50	8.93	1.70	HS 30.05	54.1
7.100	7.69	2.80	6.90	3.15	HS 56.07	100.9
7.200	3.21	3.85	2.87	4.30	HS 57.34	103.2
7.300	2.15	4.76	1.92	5.32	HS 38.40	69.1
7.400	1.90	6.06	1.69	6.75	HS 33.78	60.8
7.500	1.94	6.18	1.73	6.88	HS 34.50	62.1
7.600	1.88	4.53	1.67	5.05	HS 33.45	60.2
7.700	2.13	3.52	1.90	3.93	HS 37.99	68.4
7.800	3.11	2.80	2.79	3.14	HS 55.75	100.4
7.900	9.23	2.18	8.32	2.47	HS 43.67	78.6
8.000	14.73	1.35	13.35	1.54	HS 27.07	48.7
8.000	14.73	1.35	13.35	1.54	HS 27.07	48.7
8.100	9.15	2.75	8.24	3.11	HS 55.06	99.1
8.200	3.27	3.86	2.92	4.32	HS 58.49	105.3
8.300	1.95	4.64	1.73	5.16	HS 34.60	62.3
8.400	1.62	5.60	1.43	6.22	HS 28.58	51.4
8.500	1.44	6.87	1.27	7.61	HS 25.35	45.6
8.600	1.38	8.64	1.21	9.56	HS 24.24	43.6
8.700	1.38	11.45	1.22	12.68	HS 24.41	43.9
8.800	1.66	16.84	1.47	18.69	HS 29.34	52.8
8.900	2.78	32.58	2.47	36.27	HS 49.34	88.8
9.000	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	0.6	5.9	31.19	24.40	24.00	18.77
1.100	0.4	4.4	25.95	20.89	19.96	16.07
1.200	0.3	2.9	21.00	17.56	16.15	13.51
1.300	0.1	1.5	16.43	14.43	12.64	11.10
1.400	0.0	-0.1	12.31	11.52	9.47	8.86
1.500	-0.2	-1.5	-15.37	-13.95	-11.82	-10.73
1.600	-0.3	-3.1	-18.34	-16.67	-14.11	-12.83
1.700	-0.5	-4.6	-22.80	-19.32	-17.54	-14.86
1.800	-0.6	-6.0	-27.72	-21.85	-21.32	-16.81
1.900	-0.8	-7.5	-32.21	-24.21	-24.77	-18.62
2.000	-0.9	-9.0	-36.19	-26.36	-27.84	-20.28
2.000	0.8	-9.0	33.50	26.13	25.77	20.10
2.100	0.6	6.4	29.37	23.54	22.59	18.11
2.200	0.5	4.9	24.68	20.73	18.98	15.95
2.300	0.3	3.4	20.51	17.81	15.77	13.70
2.400	0.2	2.0	17.12	14.86	13.17	11.43
2.500	0.0	0.5	-13.52	11.97	-10.40	9.21
2.600	-0.1	-1.1	-17.02	-14.82	-13.09	-11.40
2.700	-0.3	-2.6	-20.39	-17.75	-15.68	-13.65
2.800	-0.4	-4.1	-24.99	-20.63	-19.22	-15.87
2.900	-0.6	-5.5	-29.62	-23.37	-22.79	-17.97
3.000	-0.7	-7.0	-33.97	-25.86	-26.13	-19.89
3.000	0.7	7.3	33.80	25.99	26.00	20.00
3.100	0.6	5.8	29.42	23.47	22.63	18.05
3.200	0.4	4.4	24.77	20.70	19.05	15.92
3.300	0.3	2.9	20.31	17.79	15.63	13.69
3.400	0.1	1.4	16.93	14.84	13.02	11.41
3.500	0.0	-0.1	13.39	-12.04	10.30	-9.26
3.600	-0.2	-1.6	-16.92	-14.95	-13.02	-11.50
3.700	-0.3	-3.1	-20.31	-17.90	-15.62	-13.77
3.800	-0.5	-4.6	-24.79	-20.80	-19.07	-16.00
3.900	-0.6	-6.1	-29.44	-23.57	-22.64	-18.13
4.000	-0.8	-7.5	-33.81	-26.09	-26.01	-20.07

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	0.7	-7.5	33.80	26.06	26.00	20.04
4.100	0.6	6.0	29.42	23.54	22.63	18.10
4.200	0.5	4.5	24.77	20.77	19.06	15.98
4.300	0.3	3.0	20.30	17.86	15.62	13.74
4.400	0.2	1.6	16.91	14.91	13.01	11.47
4.500	0.0	0.1	13.38	12.00	10.29	9.23
4.600	-0.1	-1.5	-16.91	-14.88	-13.01	-11.45
4.700	-0.3	-3.0	-20.30	-17.84	-15.62	-13.72
4.800	-0.4	-4.4	-24.77	-20.74	-19.06	-15.96
4.900	-0.6	-5.9	-29.42	-23.51	-22.63	-18.08
5.000	-0.7	-7.4	-33.80	-26.03	-26.00	-20.02
5.000	0.7	7.4	33.80	26.03	26.00	20.02
5.100	0.6	5.9	29.42	23.51	22.63	18.08
5.200	0.4	4.4	24.77	20.74	19.06	15.96
5.300	0.3	3.0	20.30	17.84	15.62	13.72
5.400	0.1	1.5	16.91	14.88	13.01	11.45
5.500	0.0	0.1	13.38	-12.00	10.29	-9.23
5.600	-0.2	-1.6	-16.91	-14.91	-13.01	-11.47
5.700	-0.3	-3.0	-20.30	-17.86	-15.62	-13.74
5.800	-0.5	-4.5	-24.77	-20.77	-19.06	-15.98
5.900	-0.6	-6.0	-29.42	-23.54	-22.63	-18.10
6.000	-0.7	-7.5	-33.80	-26.06	-26.00	-20.04
6.000	0.8	7.5	33.81	26.09	26.01	20.07
6.100	0.6	6.1	29.44	23.57	22.64	18.13
6.200	0.5	4.6	24.79	20.80	19.07	16.00
6.300	0.3	3.1	20.31	17.90	15.62	13.77
6.400	0.2	1.6	16.92	14.95	13.02	11.50
6.500	0.0	0.2	13.39	12.04	10.30	9.26
6.600	-0.1	-1.4	-16.93	-14.84	-13.02	-11.41
6.700	-0.3	-2.9	-20.31	-17.79	-15.63	-13.69
6.800	-0.4	-4.4	-24.77	-20.70	-19.05	-15.92
6.900	-0.6	-5.8	-29.42	-23.47	-22.63	-18.05
7.000	-0.7	-7.3	-33.80	-25.99	-26.00	-20.00

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
7.000	0.7	-7.3	33.97	25.86	26.13	19.89
7.100	0.6	5.5	29.62	23.37	22.79	17.97
7.200	0.4	4.1	24.99	20.63	19.22	15.87
7.300	0.3	2.6	20.39	17.75	15.68	13.65
7.400	0.1	1.1	17.02	14.82	13.09	11.40
7.500	0.0	-0.4	13.52	-11.97	10.40	-9.21
7.600	-0.2	-2.0	-17.12	-14.86	-13.17	-11.43
7.700	-0.3	-3.4	-20.51	-17.81	-15.77	-13.70
7.800	-0.5	-4.9	-24.68	-20.73	-18.98	-15.95
7.900	-0.6	-6.4	-29.37	-23.54	-22.59	-18.11
8.000	-0.8	-7.8	-33.82	-26.13	-26.01	-20.10
8.000	0.9	9.0	36.19	26.36	27.84	20.28
8.100	0.8	7.5	32.21	24.21	24.77	18.62
8.200	0.6	6.0	27.72	21.85	21.32	16.81
8.300	0.5	4.6	22.80	19.32	17.54	14.86
8.400	0.3	3.1	18.34	16.67	14.11	12.83
8.500	0.2	1.6	15.37	13.95	11.82	10.73
8.600	0.0	0.1	-12.31	-11.52	-9.47	-8.86
8.700	-0.1	-1.5	-16.43	-14.43	-12.64	-11.10
8.800	-0.3	-2.9	-21.00	-17.56	-16.15	-13.51
8.900	-0.4	-4.4	-25.95	-20.89	-19.96	-16.07
9.000	-0.6	-5.9	-31.19	-24.40	-24.00	-18.77

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	90.8	-73.7	66.0
1.100	90.8	-72.7	66.9
1.200	90.8	-71.7	67.9
1.300	90.8	-70.8	68.9
1.400	90.8	-69.8	69.8
1.500	90.8	-68.8	70.8
1.600	90.8	-67.8	71.9
1.700	90.8	-66.8	72.8
1.800	90.8	-65.8	73.8
1.900	90.8	-64.9	74.8
2.000	90.8	-63.9	75.8
2.000	90.8	-63.9	64.6
2.100	90.8	-74.0	65.6
2.200	90.8	-73.1	66.6
2.300	90.8	-72.1	67.6
2.400	90.8	-71.1	68.5
2.500	90.8	-70.1	69.5
2.600	90.8	-69.1	70.6
2.700	90.8	-68.1	71.5
2.800	90.8	-67.1	72.5
2.900	90.8	-66.2	73.5
3.000	90.8	-65.2	70.2
3.000	90.8	-65.2	65.0
3.100	90.8	-73.7	66.0
3.200	90.8	-72.7	66.9
3.300	90.8	-71.7	67.9
3.400	90.8	-70.8	68.9
3.500	90.8	-69.8	69.9
3.600	90.8	-68.7	70.9
3.700	90.8	-67.8	71.9
3.800	90.8	-66.8	72.9
3.900	90.8	-65.8	73.8
4.000	90.8	-64.8	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	-64.8	64.9
4.100	90.8	-73.8	65.9
4.200	90.8	-72.8	66.8
4.300	90.8	-71.8	67.8
4.400	90.8	-70.9	68.8
4.500	90.8	-69.9	69.8
4.600	90.8	-68.8	70.8
4.700	90.8	-67.9	71.8
4.800	90.8	-66.9	72.8
4.900	90.8	-65.9	73.7
5.000	90.8	-64.9	70.3
5.000	90.8	-64.9	64.9
5.100	90.8	-73.7	65.9
5.200	90.8	-72.8	66.9
5.300	90.8	-71.8	67.9
5.400	90.8	-70.8	68.8
5.500	90.8	-69.8	69.8
5.600	90.8	-68.8	70.9
5.700	90.8	-67.8	71.8
5.800	90.8	-66.8	72.8
5.900	90.8	-65.9	73.8
6.000	90.8	-64.9	70.3
6.000	90.8	-64.9	64.8
6.100	90.8	-73.8	65.8
6.200	90.8	-72.9	66.8
6.300	90.8	-71.9	67.8
6.400	90.8	-70.9	68.7
6.500	90.8	-69.9	69.7
6.600	90.8	-68.9	70.8
6.700	90.8	-67.9	71.7
6.800	90.8	-66.9	72.7
6.900	90.8	-66.0	73.7
7.000	90.8	-65.0	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	-65.0	65.2
7.100	90.8	-73.5	66.2
7.200	90.8	-72.5	67.1
7.300	90.8	-71.5	68.1
7.400	90.8	-70.6	69.1
7.500	90.8	-69.6	70.1
7.600	90.8	-68.5	71.1
7.700	90.8	-67.6	72.1
7.800	90.8	-66.6	73.1
7.900	90.8	-65.6	74.0
8.000	90.8	-64.6	70.3
8.000	90.8	-64.6	63.9
8.100	90.8	-74.8	64.9
8.200	90.8	-73.8	65.8
8.300	90.8	-72.8	66.8
8.400	90.8	-71.9	67.8
8.500	90.8	-70.9	68.8
8.600	90.8	-69.8	69.8
8.700	90.8	-68.9	70.8
8.800	90.8	-67.9	71.7
8.900	90.8	-66.9	72.7
9.000	90.8	-66.0	70.2

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	34.73	2.11	HS 42.29	76.1
1.100	23.33	2.58	HS 51.59	92.9
1.200	12.00	3.23	HS 64.66	116.4
1.300	7.98	4.19	HS 83.83	150.9
1.400	5.89	5.67	HS 113.45	204.2
1.500	4.48	7.45	HS 89.59	161.3
1.600	3.69	10.85	HS 73.90	133.0
1.700	2.93	16.47	HS 58.60	105.5
1.800	2.38	27.73	HS 47.50	85.5
1.900	2.01	60.41	HS 40.28	72.5
2.000	1.77	133.30	HS 35.31	63.6
2.000	1.77	1.93	HS 35.31	63.6
2.100	25.64	2.23	HS 44.68	80.4
2.200	17.02	2.70	HS 53.96	97.1
2.300	10.94	3.30	HS 65.90	118.6
2.400	7.45	4.00	HS 80.05	144.1
2.500	5.19	5.16	HS 103.10	185.6
2.600	4.06	7.52	HS 81.20	146.2
2.700	3.34	10.67	HS 66.82	120.3
2.800	2.69	16.19	HS 53.75	96.7
2.900	2.23	18.49	HS 44.68	80.4
3.000	1.92	17.68	HS 38.39	69.1
3.000	1.92	1.92	HS 38.39	69.1
3.100	23.05	2.24	HS 44.85	80.7
3.200	16.35	2.70	HS 54.06	97.3
3.300	10.69	3.34	HS 66.86	120.4
3.400	7.54	4.07	HS 81.39	146.5
3.500	5.21	5.22	HS 104.22	187.6
3.600	4.06	7.57	HS 81.25	146.2
3.700	3.34	10.87	HS 66.74	120.1
3.800	2.69	16.75	HS 53.89	97.0
3.900	2.24	23.46	HS 44.72	80.5
4.000	1.92	22.63	HS 38.36	69.1

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)
4.000	1.92	1.92	HS 38.36	69.1
4.100	23.45	2.24	HS 44.78	80.6
4.200	16.60	2.70	HS 53.96	97.1
4.300	10.80	3.34	HS 66.81	120.3
4.400	7.56	4.07	HS 81.34	146.4
4.500	5.22	5.21	HS 104.25	187.7
4.600	4.07	7.56	HS 81.40	146.5
4.700	3.34	10.75	HS 66.86	120.3
4.800	2.70	16.48	HS 54.00	97.2
4.900	2.24	23.20	HS 44.81	80.7
5.000	1.92	22.41	HS 38.44	69.2
5.000	1.92	1.92	HS 38.44	69.2
5.100	23.20	2.24	HS 44.81	80.7
5.200	16.48	2.70	HS 54.00	97.2
5.300	10.75	3.34	HS 66.86	120.3
5.400	7.56	4.07	HS 81.40	146.5
5.500	5.22	5.22	HS 104.33	187.8
5.600	4.07	7.56	HS 81.34	146.4
5.700	3.34	10.80	HS 66.81	120.3
5.800	2.70	16.60	HS 53.96	97.1
5.900	2.24	23.45	HS 44.78	80.6
6.000	1.92	22.64	HS 38.41	69.1
6.000	1.92	1.92	HS 38.36	69.1
6.100	23.46	2.24	HS 44.72	80.5
6.200	16.75	2.69	HS 53.89	97.0
6.300	10.87	3.34	HS 66.74	120.1
6.400	7.57	4.06	HS 81.25	146.2
6.500	5.22	5.20	HS 104.10	187.4
6.600	4.07	7.54	HS 81.39	146.5
6.700	3.34	10.69	HS 66.86	120.4
6.800	2.70	16.35	HS 54.06	97.3
6.900	2.24	23.05	HS 44.85	80.7
7.000	1.92	22.27	HS 38.46	69.2

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	1.92	1.92	HS 38.39	69.1
7.100	19.37	2.23	HS 44.68	80.4
7.200	16.19	2.69	HS 53.75	96.7
7.300	10.67	3.34	HS 66.82	120.3
7.400	7.52	4.06	HS 81.20	146.2
7.500	5.16	5.18	HS 103.22	185.8
7.600	4.00	7.45	HS 80.05	144.1
7.700	3.30	10.94	HS 65.90	118.6
7.800	2.70	17.02	HS 53.96	97.1
7.900	2.23	25.43	HS 44.68	80.4
8.000	1.91	24.15	HS 38.24	68.8
8.000	1.91	1.77	HS 35.31	63.6
8.100	60.40	2.01	HS 40.28	72.5
8.200	27.73	2.38	HS 47.50	85.5
8.300	16.47	2.93	HS 58.60	105.5
8.400	10.85	3.69	HS 73.90	133.0
8.500	7.46	4.47	HS 89.48	161.1
8.600	5.67	5.89	HS 113.45	204.2
8.700	4.19	7.98	HS 83.83	150.9
8.800	3.23	12.00	HS 64.66	116.4
8.900	2.58	23.33	HS 51.59	92.9
9.000	2.11	33.07	HS 42.29	76.1

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
1.000 67.6	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
1.100 75.7	173.0	173.0	-162.2	-162.2	159.6	159.6	-175.7	-1
1.200 81.5	176.9	176.9	-158.4	-158.4	153.8	153.8	-181.5	-1
1.300 84.9	179.2	179.2	-156.1	-156.1	150.3	150.3	-184.9	-1
1.400 86.1	179.9	179.9	-155.4	-155.4	149.2	149.2	-186.1	-1
1.500 84.8	179.1	179.1	-156.2	-156.2	150.4	150.4	-184.8	-1
1.600 81.1	176.6	176.6	-158.7	-158.7	154.2	154.2	-181.1	-1
1.700 75.1	172.6	172.6	-162.7	-162.7	160.2	160.2	-175.1	-1
1.800 66.7	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.7	-1
1.900 56.0	159.9	159.9	-175.4	-175.4	179.3	179.3	-156.0	-1
2.000 43.0	151.2	151.2	-184.1	-184.1	192.3	192.3	-143.0	-1
2.000 43.0	151.2	151.2	-184.1	-184.1	192.3	192.3	-143.0	-1
2.100 54.2	158.7	158.7	-176.6	-176.6	181.1	181.1	-154.2	-1
2.200 63.1	164.6	164.6	-170.7	-170.7	172.2	172.2	-163.1	-1
2.300 69.7	169.0	169.0	-166.3	-166.3	165.6	165.6	-169.7	-1
2.400 73.9	171.8	171.8	-163.5	-163.5	161.4	161.4	-173.9	-1
2.500 75.8	173.1	173.1	-162.2	-162.2	159.5	159.5	-175.8	-1
2.600 75.2	172.7	172.7	-162.6	-162.6	160.0	160.0	-175.2	-1
2.700 72.3	170.8	170.8	-164.5	-164.5	163.0	163.0	-172.3	-1
2.800 67.1	167.3	167.3	-168.0	-168.0	168.2	168.2	-167.1	-1
2.900 59.5	162.2	162.2	-173.1	-173.1	175.8	175.8	-159.5	-1

3.000 49.6	155.6	155.6	-179.7	-179.7	185.7	185.7	-149.6	-1
3.000 49.6	155.6	155.6	-179.7	-179.7	185.7	185.7	-149.6	-1
3.100 60.0	162.5	162.5	-172.7	-172.7	175.3	175.3	-160.0	-1
3.200 68.0	167.9	167.9	-167.4	-167.4	167.2	167.2	-168.0	-1
3.300 73.8	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.8	-1
3.400 77.2	174.0	174.0	-161.3	-161.3	158.1	158.1	-177.2	-1
3.500 78.2	174.7	174.7	-160.6	-160.6	157.0	157.0	-178.2	-1
3.600 76.8	173.7	173.7	-161.5	-161.5	158.5	158.5	-176.8	-1
3.700 73.0	171.2	171.2	-164.0	-164.0	162.2	162.2	-173.0	-1
3.800 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
3.900 58.5	161.6	161.6	-173.7	-173.7	176.7	176.7	-158.5	-1
4.000 47.8	154.4	154.4	-180.9	-180.9	187.5	187.5	-147.8	-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 47.8	154.4	154.4	-180.9	-180.9	187.5	187.5	-147.8	-1
4.100 58.4	161.5	161.5	-173.8	-173.8	176.9	176.9	-158.4	-1
4.200 66.7	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.7	-1
4.300 72.7	171.0	171.0	-164.3	-164.3	162.6	162.6	-172.7	-1
4.400 76.3	173.4	173.4	-161.9	-161.9	159.0	159.0	-176.3	-1
4.500 77.6	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
4.600 76.4	173.5	173.5	-161.8	-161.8	158.8	158.8	-176.4	-1
4.700 72.9	171.2	171.2	-164.1	-164.1	162.4	162.4	-172.9	-1
4.800 67.1	167.3	167.3	-168.0	-168.0	168.2	168.2	-167.1	-1
4.900 58.9	161.8	161.8	-173.5	-173.5	176.4	176.4	-158.9	-1
5.000 48.4	154.8	154.8	-180.5	-180.5	186.9	186.9	-148.4	-1
5.000 48.4	154.8	154.8	-180.5	-180.5	186.9	186.9	-148.4	-1
5.100 58.9	161.8	161.8	-173.5	-173.5	176.4	176.4	-158.9	-1
5.200 67.1	167.3	167.3	-168.0	-168.0	168.2	168.2	-167.1	-1
5.300 72.9	171.2	171.2	-164.1	-164.1	162.4	162.4	-172.9	-1
5.400 76.4	173.5	173.5	-161.8	-161.8	158.8	158.8	-176.4	-1
5.500 77.6	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
5.600 76.3	173.4	173.4	-161.9	-161.9	159.0	159.0	-176.3	-1
5.700 72.7	171.0	171.0	-164.3	-164.3	162.6	162.6	-172.7	-1
5.800 66.7	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.7	-1
5.900 58.4	161.5	161.5	-173.8	-173.8	176.9	176.9	-158.4	-1

6.000 47.8	154.4	154.4	-180.9	-180.9	187.5	187.5	-147.8	-1
6.000 47.8	154.4	154.4	-180.9	-180.9	187.5	187.5	-147.8	-1
6.100 58.5	161.6	161.6	-173.7	-173.7	176.7	176.7	-158.5	-1
6.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
6.300 73.0	171.2	171.2	-164.0	-164.0	162.2	162.2	-173.0	-1
6.400 76.8	173.7	173.7	-161.5	-161.5	158.5	158.5	-176.8	-1
6.500 78.2	174.7	174.7	-160.6	-160.6	157.0	157.0	-178.2	-1
6.600 77.2	174.0	174.0	-161.3	-161.3	158.1	158.1	-177.2	-1
6.700 73.8	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.8	-1
6.800 68.0	167.9	167.9	-167.4	-167.4	167.2	167.2	-168.0	-1
6.900 60.0	162.5	162.5	-172.7	-172.7	175.3	175.3	-160.0	-1
7.000 49.6	155.6	155.6	-179.7	-179.7	185.7	185.7	-149.6	-1

9.000	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
67.6								

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	2.57	33.82	2.57	33.82	HS 51.42	92.6
1.200	1.53	17.47	1.53	17.47	HS 30.62	55.1
1.300	1.27	11.86	1.27	11.86	HS 25.51	45.9
1.400	1.27	8.95	1.27	8.95	HS 25.34	45.6
1.500	1.32	7.11	1.32	7.11	HS 26.49	47.7
1.600	1.49	5.81	1.49	5.81	HS 29.83	53.7
1.700	1.80	4.81	1.80	4.81	HS 36.05	64.9
1.800	3.04	4.01	3.04	4.01	HS 60.82	109.5
1.900	8.71	2.87	8.71	2.87	HS 57.46	103.4
2.000	13.81	1.42	13.81	1.42	HS 28.34	51.0
2.000	13.81	1.42	13.81	1.42	HS 28.34	51.0
2.100	8.46	2.28	8.46	2.28	HS 45.58	82.0
2.200	2.90	2.92	2.90	2.92	HS 57.92	104.3
2.300	1.98	3.65	1.98	3.65	HS 39.53	71.2
2.400	1.74	4.71	1.74	4.71	HS 34.84	62.7
2.500	1.80	6.41	1.80	6.41	HS 35.96	64.7
2.600	1.76	6.29	1.76	6.29	HS 35.20	63.4
2.700	2.00	4.95	2.00	4.95	HS 39.98	72.0
2.800	2.98	4.00	2.98	4.00	HS 59.62	107.3
2.900	7.28	2.92	7.28	2.92	HS 58.43	105.2
3.000	9.25	1.57	9.25	1.57	HS 31.37	56.5
3.000	9.25	1.57	9.25	1.57	HS 31.37	56.5
3.100	7.04	2.88	7.04	2.88	HS 57.55	103.6
3.200	2.95	3.99	2.95	3.99	HS 59.03	106.3
3.300	1.98	4.97	1.98	4.97	HS 39.60	71.3
3.400	1.74	6.37	1.74	6.37	HS 34.72	62.5
3.500	1.79	8.44	1.79	8.44	HS 35.74	64.3
3.600	1.74	6.40	1.74	6.40	HS 34.84	62.7
3.700	1.99	4.99	1.99	4.99	HS 39.86	71.7
3.800	2.98	4.00	2.98	4.00	HS 59.64	107.3
3.900	7.46	2.90	7.46	2.90	HS 58.01	104.4
4.000	12.14	1.56	12.14	1.56	HS 31.12	56.0

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	12.14	1.56	12.14	1.56	HS 31.12	56.0
4.100	7.36	2.89	7.36	2.89	HS 57.89	104.2
4.200	2.98	3.99	2.98	3.99	HS 59.71	107.5
4.300	2.00	4.97	2.00	4.97	HS 39.95	71.9
4.400	1.75	6.39	1.75	6.39	HS 34.94	62.9
4.500	1.79	8.32	1.79	8.32	HS 35.90	64.6
4.600	1.75	6.39	1.75	6.39	HS 34.92	62.9
4.700	2.00	4.99	2.00	4.99	HS 39.89	71.8
4.800	2.98	4.00	2.98	4.00	HS 59.59	107.3
4.900	7.38	2.91	7.38	2.91	HS 58.13	104.6
5.000	11.91	1.56	11.91	1.56	HS 31.25	56.3
5.000	11.91	1.56	11.91	1.56	HS 31.25	56.3
5.100	7.26	2.91	7.26	2.91	HS 58.13	104.6
5.200	2.98	4.00	2.98	4.00	HS 59.59	107.3
5.300	2.00	4.99	2.00	4.99	HS 39.89	71.8
5.400	1.75	6.39	1.75	6.39	HS 34.92	62.9
5.500	1.79	8.32	1.79	8.32	HS 35.90	64.6
5.600	1.75	6.39	1.75	6.39	HS 34.94	62.9
5.700	2.00	4.97	2.00	4.97	HS 39.95	71.9
5.800	2.98	3.99	2.98	3.99	HS 59.71	107.5
5.900	7.49	2.89	7.49	2.89	HS 57.89	104.2
6.000	12.14	1.56	12.14	1.56	HS 31.12	56.0
6.000	12.14	1.56	12.14	1.56	HS 31.12	56.0
6.100	7.34	2.90	7.34	2.90	HS 58.01	104.4
6.200	2.98	4.00	2.98	4.00	HS 59.64	107.3
6.300	1.99	4.99	1.99	4.99	HS 39.86	71.7
6.400	1.74	6.40	1.74	6.40	HS 34.84	62.7
6.500	1.79	8.44	1.79	8.44	HS 35.74	64.3
6.600	1.74	6.37	1.74	6.37	HS 34.72	62.5
6.700	1.98	4.97	1.98	4.97	HS 39.60	71.3
6.800	2.95	3.99	2.95	3.99	HS 59.03	106.3
6.900	7.15	2.88	7.15	2.88	HS 57.55	103.6
7.000	9.25	1.57	9.25	1.57	HS 31.40	56.5

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	9.25	1.57	9.25	1.57	HS 31.40	56.5
7.100	7.17	2.92	7.17	2.92	HS 58.43	105.2
7.200	2.98	4.00	2.98	4.00	HS 59.62	107.3
7.300	2.00	4.95	2.00	4.95	HS 39.98	72.0
7.400	1.76	6.29	1.76	6.29	HS 35.20	63.4
7.500	1.80	6.41	1.80	6.41	HS 35.96	64.7
7.600	1.74	4.71	1.74	4.71	HS 34.84	62.7
7.700	1.98	3.65	1.98	3.65	HS 39.53	71.2
7.800	2.90	2.92	2.90	2.92	HS 57.92	104.3
7.900	8.62	2.28	8.62	2.28	HS 45.58	82.0
8.000	13.81	1.42	13.81	1.42	HS 28.35	51.0
8.000	13.81	1.42	13.81	1.42	HS 28.35	51.0
8.100	8.54	2.87	8.54	2.87	HS 57.43	103.4
8.200	3.04	4.01	3.04	4.01	HS 60.82	109.5
8.300	1.80	4.81	1.80	4.81	HS 36.05	64.9
8.400	1.49	5.81	1.49	5.81	HS 29.83	53.7
8.500	1.32	7.11	1.32	7.11	HS 26.49	47.7
8.600	1.27	8.95	1.27	8.95	HS 25.34	45.6
8.700	1.27	11.86	1.27	11.86	HS 25.51	45.9
8.800	1.53	17.47	1.53	17.47	HS 30.62	55.1
8.900	2.57	33.82	2.57	33.82	HS 51.42	92.6
9.000	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: 5C1T

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	1.2	12.3	50.81 R	39.08
1.200	2.1	21.0	83.90 R	64.54
1.300	2.6	26.2	100.64 R	77.41
1.400	2.8	27.9	105.90 R	81.46
1.500	2.6	26.1	103.89 L	79.92
1.600	2.0	20.5	95.59 L	73.53
1.700	1.1	11.3	76.85 L	59.12
1.800	-0.2	-1.4	52.97 R	40.74
1.900	-1.8	-17.6	-46.28 L	-35.60
2.000	-3.8	-37.3	-73.05 R	-56.19
2.000	-3.8	-37.3	-73.05 R	-56.19
2.100	-2.1	-20.3	-53.56 L	-41.20
2.200	-0.7	-6.8	46.63 R	35.87
2.300	0.3	3.1	69.73 R	53.64
2.400	0.9	9.5	81.12 R	62.40
2.500	1.2	12.5	85.16 L	65.51
2.600	1.1	11.5	82.25 L	63.27
2.700	0.7	7.1	71.38 R	54.91
2.800	-0.1	-0.8	53.40 R	41.08
2.900	-1.3	-12.3	-43.80 R	-33.69
3.000	-2.8	-27.3	-59.27 L	-45.60
3.000	-2.8	-27.3	-59.27 L	-45.60
3.100	-1.2	-11.6	-42.36 L	-32.58
3.200	0.0	0.6	54.76 L	42.12
3.300	0.9	9.3	73.11 L	56.24
3.400	1.4	14.5	85.31 R	65.62
3.500	1.6	16.1	88.32 R	67.94
3.600	1.4	13.9	84.00 L	64.62
3.700	0.8	8.2	72.21 R	55.54
3.800	-0.1	-1.0	53.38 R	41.06
3.900	-1.4	-13.8	-44.23 R	-34.02
4.000	-3.0	-30.0	-59.67 R	-45.90

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-30.0	-59.67 R 0.00	-45.90 0.00
4.100	-1.4	-13.9	-45.02 L 0.00	-34.63 0.00
4.200	-0.2	-1.4	52.93 L 0.00	40.71 0.00
4.300	0.7	7.7	71.90 L 0.00	55.31 0.00
4.400	1.3	13.2	83.54 R 0.00	64.26 0.00
4.500	1.5	15.2	87.09 L 0.00	66.99 0.00
4.600	1.3	13.4	83.76 L 0.00	64.43 0.00
4.700	0.8	8.0	71.79 R 0.00	55.23 0.00
4.800	-0.1	-0.8	53.63 R 0.00	41.25 0.00
4.900	-1.3	-13.2	-44.14 R 0.00	-33.95 0.00
5.000	-2.9	-29.1	-59.25 R 0.00	-45.58 0.00
5.000	-2.9	-29.1	-59.25 R 0.00	-45.58 0.00
5.100	-1.3	-13.2	-44.14 L 0.00	-33.95 0.00
5.200	-0.1	-0.8	53.63 L 0.00	41.25 0.00
5.300	0.8	8.0	71.79 L 0.00	55.23 0.00
5.400	1.3	13.4	83.76 R 0.00	64.43 0.00
5.500	1.5	15.2	87.09 R 0.00	66.99 0.00
5.600	1.3	13.2	83.53 L 0.00	64.26 0.00
5.700	0.7	7.7	71.90 R 0.00	55.31 0.00
5.800	-0.2	-1.4	52.93 R 0.00	40.71 0.00
5.900	-1.4	-13.9	-45.02 R 0.00	-34.63 0.00
6.000	-3.0	-30.0	-59.67 L 0.00	-45.90 0.00
6.000	-3.0	-30.0	-59.67 L 0.00	-45.90 0.00
6.100	-1.4	-13.8	-44.23 L 0.00	-34.02 0.00
6.200	-0.1	-1.0	53.38 L 0.00	41.06 0.00
6.300	0.8	8.2	72.21 L 0.00	55.54 0.00
6.400	1.4	13.9	84.00 R 0.00	64.62 0.00
6.500	1.6	16.1	88.32 L 0.00	67.94 0.00
6.600	1.4	14.5	85.31 L 0.00	65.62 0.00
6.700	0.9	9.3	73.11 R 0.00	56.24 0.00
6.800	0.0	0.6	54.76 R 0.00	42.12 0.00
6.900	-1.2	-11.6	-42.36 R 0.00	-32.58 0.00
7.000	-2.8	-27.3	-59.26 R 0.00	-45.58 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

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	-2.8	-27.3	-59.26	R	0.00	0.00
7.100	-1.3	-12.3	-43.80	L	0.00	0.00
7.200	-0.1	-0.8	53.40	L	0.00	0.00
7.300	0.7	7.1	71.38	L	0.00	0.00
7.400	1.1	11.5	82.25	R	0.00	0.00
7.500	1.2	12.5	85.16	R	0.00	0.00
7.600	0.9	9.5	81.12	L	0.00	0.00
7.700	0.3	3.1	69.73	L	0.00	0.00
7.800	-0.7	-6.8	46.63	L	0.00	0.00
7.900	-2.1	-20.3	-53.56	R	0.00	0.00
8.000	-3.8	-37.3	-73.05	L	0.00	0.00
8.000	-3.8	-37.3	-73.05	L	0.00	0.00
8.100	-1.8	-17.6	-46.28	R	0.00	0.00
8.200	-0.2	-1.4	52.97	L	0.00	0.00
8.300	1.1	11.3	76.85	R	0.00	0.00
8.400	2.0	20.5	95.59	R	0.00	0.00
8.500	2.6	26.1	103.89	R	0.00	0.00
8.600	2.8	27.9	105.90	L	0.00	0.00
8.700	2.6	26.2	100.64	L	0.00	0.00
8.800	2.1	21.0	83.90	L	0.00	0.00
8.900	1.2	12.3	50.81	L	0.00	0.00
9.000	0.0	0.0	0.00	R	0.00	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1T

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	
. 6	1.000	300.6C	268.7	-268.7	-300.6C	300.6	268.7	-268.7	-300.
1	1.100	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
7	1.200	300.6C	268.7	-268.7	-300.6C	277.5	245.6	-291.7	-323.
5	1.300	300.6C	268.7	-268.7	-300.6C	271.8	239.8	-297.5	-329.
3	1.400	300.6C	268.7	-268.7	-300.6C	270.0	238.0	-299.3	-331.
3	1.500	300.6C	268.7	-268.7	-300.6C	272.0	240.0	-297.3	-329.
1	1.600	300.6C	268.7	-268.7	-300.6C	278.2	246.2	-291.1	-323.
0	1.700	300.6C	268.7	-268.7	-300.6C	288.2	256.3	-281.1	-313.
1	1.800	300.6C	268.7	-268.7	-300.6C	302.2	270.2	-267.1	-299.
3	1.900	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
6	2.000	300.6C	268.7	-268.7	-300.6C	341.7	309.7	-227.6	-259.
6	2.000	300.6C	268.7	-268.7	-300.6C	341.7	309.7	-227.6	-259.
3	2.100	300.6C	268.7	-268.7	-300.6C	323.0	291.0	-246.3	-278.
1	2.200	300.6C	268.7	-268.7	-300.6C	308.2	276.2	-261.1	-293.
0	2.300	300.6C	268.7	-268.7	-300.6C	297.3	265.3	-272.0	-304.
1	2.400	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
3	2.500	300.6C	268.7	-268.7	-300.6C	287.0	255.0	-282.3	-314.
3	2.600	300.6C	268.7	-268.7	-300.6C	288.0	256.0	-281.3	-313.
4	2.700	300.6C	268.7	-268.7	-300.6C	292.8	260.9	-276.4	-308.
7	2.800	300.6C	268.7	-268.7	-300.6C	301.6	269.6	-267.7	-299.
1	2.900	300.6C	268.7	-268.7	-300.6C	314.2	282.2	-255.1	-287.

6	3.000	300.6C	268.7	-268.7	-300.6C	330.7	298.7	-238.6	-270.
6	3.000	300.6C	268.7	-268.7	-300.6C	330.7	298.7	-238.6	-270.
9	3.100	300.6C	268.7	-268.7	-300.6C	313.4	281.4	-255.9	-287.
3	3.200	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
8	3.300	300.6C	268.7	-268.7	-300.6C	290.4	258.5	-278.9	-310.
5	3.400	300.6C	268.7	-268.7	-300.6C	284.8	252.8	-284.5	-316.
3	3.500	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
9	3.600	300.6C	268.7	-268.7	-300.6C	285.4	253.4	-283.9	-315.
6	3.700	300.6C	268.7	-268.7	-300.6C	291.6	259.7	-277.6	-309.
5	3.800	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
5	3.900	300.6C	268.7	-268.7	-300.6C	315.8	283.8	-253.5	-285.
6	4.000	300.6C	268.7	-268.7	-300.6C	333.7	301.7	-235.6	-267.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1T

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	333.7	301.7	-235.6	-267.
4.100	300.6C	268.7	-268.7	-300.6C	316.0	284.0	-253.3	-285.
4.200	300.6C	268.7	-268.7	-300.6C	302.2	270.2	-267.1	-299.
4.300	300.6C	268.7	-268.7	-300.6C	292.2	260.3	-277.0	-309.
4.400	300.6C	268.7	-268.7	-300.6C	286.2	254.2	-283.1	-315.
4.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
4.600	300.6C	268.7	-268.7	-300.6C	286.0	254.0	-283.3	-315.
4.700	300.6C	268.7	-268.7	-300.6C	291.8	259.9	-277.4	-309.
4.800	300.6C	268.7	-268.7	-300.6C	301.6	269.6	-267.7	-299.
4.900	300.6C	268.7	-268.7	-300.6C	315.2	283.2	-254.1	-286.
5.000	300.6C	268.7	-268.7	-300.6C	332.7	300.7	-236.6	-268.
5.000	300.6C	268.7	-268.7	-300.6C	332.7	300.7	-236.6	-268.
5.100	300.6C	268.7	-268.7	-300.6C	315.2	283.2	-254.1	-286.
5.200	300.6C	268.7	-268.7	-300.6C	301.6	269.6	-267.7	-299.
5.300	300.6C	268.7	-268.7	-300.6C	291.8	259.9	-277.4	-309.
5.400	300.6C	268.7	-268.7	-300.6C	286.0	254.0	-283.3	-315.
5.500	300.6C	268.7	-268.7	-300.6C	284.0	252.0	-285.3	-317.
5.600	300.6C	268.7	-268.7	-300.6C	286.2	254.2	-283.1	-315.
5.700	300.6C	268.7	-268.7	-300.6C	292.2	260.3	-277.0	-309.
5.800	300.6C	268.7	-268.7	-300.6C	302.2	270.2	-267.1	-299.
5.900	300.6C	268.7	-268.7	-300.6C	316.0	284.0	-253.3	-285.

6	6.000	300.6C	268.7	-268.7	-300.6C	333.7	301.7	-235.6	-267.
6	6.000	300.6C	268.7	-268.7	-300.6C	333.7	301.7	-235.6	-267.
5	6.100	300.6C	268.7	-268.7	-300.6C	315.8	283.8	-253.5	-285.
5	6.200	300.6C	268.7	-268.7	-300.6C	301.8	269.8	-267.5	-299.
6	6.300	300.6C	268.7	-268.7	-300.6C	291.6	259.7	-277.6	-309.
9	6.400	300.6C	268.7	-268.7	-300.6C	285.4	253.4	-283.9	-315.
3	6.500	300.6C	268.7	-268.7	-300.6C	283.0	251.0	-286.3	-318.
5	6.600	300.6C	268.7	-268.7	-300.6C	284.8	252.8	-284.5	-316.
8	6.700	300.6C	268.7	-268.7	-300.6C	290.4	258.5	-278.9	-310.
3	6.800	300.6C	268.7	-268.7	-300.6C	300.0	268.0	-269.3	-301.
9	6.900	300.6C	268.7	-268.7	-300.6C	313.4	281.4	-255.9	-287.
6	7.000	300.6C	268.7	-268.7	-300.6C	330.7	298.7	-238.6	-270.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1T

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	7.000	300.6C	268.7	-268.7	-300.6C	330.7	298.7	-238.6	-270.
1	7.100	300.6C	268.7	-268.7	-300.6C	314.2	282.2	-255.1	-287.
7	7.200	300.6C	268.7	-268.7	-300.6C	301.6	269.6	-267.7	-299.
4	7.300	300.6C	268.7	-268.7	-300.6C	292.8	260.9	-276.4	-308.
3	7.400	300.6C	268.7	-268.7	-300.6C	288.0	256.0	-281.3	-313.
3	7.500	300.6C	268.7	-268.7	-300.6C	287.0	255.0	-282.3	-314.
1	7.600	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
0	7.700	300.6C	268.7	-268.7	-300.6C	297.3	265.3	-272.0	-304.
1	7.800	300.6C	268.7	-268.7	-300.6C	308.2	276.2	-261.1	-293.
3	7.900	300.6C	268.7	-268.7	-300.6C	323.0	291.0	-246.3	-278.
6	8.000	300.6C	268.7	-268.7	-300.6C	341.7	309.7	-227.6	-259.
6	8.000	300.6C	268.7	-268.7	-300.6C	341.7	309.7	-227.6	-259.
3	8.100	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
1	8.200	300.6C	268.7	-268.7	-300.6C	302.2	270.2	-267.1	-299.
0	8.300	300.6C	268.7	-268.7	-300.6C	288.2	256.3	-281.1	-313.
1	8.400	300.6C	268.7	-268.7	-300.6C	278.2	246.2	-291.1	-323.
3	8.500	300.6C	268.7	-268.7	-300.6C	272.0	240.0	-297.3	-329.
3	8.600	300.6C	268.7	-268.7	-300.6C	270.0	238.0	-299.3	-331.
5	8.700	300.6C	268.7	-268.7	-300.6C	271.8	239.8	-297.5	-329.
7	8.800	300.6C	268.7	-268.7	-300.6C	277.5	245.6	-291.7	-323.
1	8.900	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.

9.000 300.6C 268.7 -268.7 -300.6C 300.6 268.7 -268.7 -300.

6

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1T

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	5.65	56.11	5.02	62.47	0.00	401.8
1.200	3.31	29.01	2.93	32.19	0.00	234.1
1.300	2.70	19.72	2.38	21.84	0.00	190.6
1.400	2.55	14.88	2.25	16.47	0.00	179.8
1.500	2.62	11.83	2.31	13.10	0.00	184.8
1.600	2.91	9.65	2.58	10.71	0.00	206.0
1.700	3.75	7.99	3.33	8.89	0.00	266.8
1.800	5.70	6.64	5.10	7.43	0.00	408.1
1.900	13.06	5.39	11.76	6.08	0.00	430.9
2.000	29.23	3.12	26.49	3.55	0.00	249.2
2.000	29.23	3.12	26.49	3.55	0.00	249.2
2.100	15.07	4.60	13.58	5.20	0.00	367.9
2.200	6.61	5.66	5.92	6.36	0.00	453.0
2.300	4.26	6.43	3.80	7.19	0.00	304.3
2.400	3.58	7.00	3.18	7.80	0.00	254.6
2.500	3.37	7.49	2.99	8.34	0.00	239.5
2.600	3.50	7.63	3.11	8.50	0.00	249.0
2.700	4.10	7.28	3.65	8.12	0.00	292.4
2.800	5.65	6.70	5.05	7.50	0.00	403.9
2.900	11.08	5.82	9.95	6.55	0.00	465.9
3.000	20.58	4.03	18.59	4.57	0.00	322.0
3.000	20.58	4.03	18.59	4.57	0.00	322.0
3.100	10.64	6.04	9.55	6.80	0.00	483.3
3.200	5.48	7.06	4.89	7.90	0.00	391.5
3.300	3.97	7.78	3.54	8.68	0.00	282.8
3.400	3.34	8.32	2.96	9.25	0.00	237.1
3.500	3.20	8.36	2.84	9.29	0.00	227.3
3.600	3.40	8.07	3.02	8.98	0.00	241.3
3.700	4.04	7.43	3.60	8.29	0.00	287.7
3.800	5.65	6.68	5.05	7.48	0.00	404.3
3.900	11.45	5.73	10.29	6.45	0.00	458.5
4.000	26.51	3.95	23.97	4.49	0.00	315.9

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1T

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	26.51	3.95	23.97	4.49	0.00	315.9
4.100	11.69	5.63	10.51	6.34	0.00	450.1
4.200	5.71	6.56	5.11	7.34	0.00	408.4
4.300	4.07	7.31	3.62	8.15	0.00	289.6
4.400	3.43	7.94	3.04	8.84	0.00	243.4
4.500	3.26	8.29	2.89	9.22	0.00	231.5
4.600	3.41	8.11	3.03	9.02	0.00	242.6
4.700	4.07	7.45	3.62	8.31	0.00	289.6
4.800	5.62	6.71	5.03	7.51	0.00	402.2
4.900	11.32	5.76	10.17	6.48	0.00	460.6
5.000	26.27	3.99	23.75	4.53	0.00	319.4
5.000	26.27	3.99	23.75	4.53	0.00	319.4
5.100	11.32	5.76	10.17	6.48	0.00	460.6
5.200	5.62	6.71	5.03	7.51	0.00	402.2
5.300	4.07	7.45	3.62	8.31	0.00	289.6
5.400	3.41	8.07	3.03	8.99	0.00	242.6
5.500	3.26	8.29	2.89	9.22	0.00	231.5
5.600	3.43	7.97	3.04	8.87	0.00	243.4
5.700	4.07	7.31	3.62	8.15	0.00	289.6
5.800	5.71	6.56	5.11	7.34	0.00	408.4
5.900	11.69	5.63	10.51	6.34	0.00	450.1
6.000	27.59	3.95	24.95	4.49	0.00	315.9
6.000	27.59	3.95	24.95	4.49	0.00	315.9
6.100	11.45	5.73	10.29	6.45	0.00	458.5
6.200	5.65	6.68	5.05	7.48	0.00	404.3
6.300	4.04	7.43	3.60	8.29	0.00	287.7
6.400	3.40	8.07	3.02	8.98	0.00	241.3
6.500	3.20	8.36	2.84	9.29	0.00	227.3
6.600	3.34	8.32	2.96	9.25	0.00	237.1
6.700	3.97	7.78	3.54	8.68	0.00	282.8
6.800	5.48	7.06	4.89	7.90	0.00	391.5
6.900	10.64	6.04	9.55	6.80	0.00	483.3
7.000	20.58	4.03	18.59	4.57	0.00	322.1

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1T

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	20.58	4.03	18.59	4.57	0.00	322.1
7.100	11.08	5.82	9.95	6.55	0.00	465.9
7.200	5.65	6.70	5.05	7.50	0.00	403.9
7.300	4.10	7.28	3.65	8.12	0.00	292.4
7.400	3.50	7.63	3.11	8.50	0.00	249.0
7.500	3.37	7.49	2.99	8.34	0.00	239.5
7.600	3.58	7.00	3.18	7.80	0.00	254.6
7.700	4.26	6.43	3.80	7.19	0.00	304.3
7.800	6.61	5.66	5.92	6.36	0.00	453.0
7.900	15.07	4.60	13.58	5.20	0.00	367.9
8.000	29.23	3.12	26.49	3.55	0.00	249.2
8.000	29.23	3.12	26.49	3.55	0.00	249.2
8.100	13.06	5.39	11.76	6.08	0.00	430.9
8.200	5.70	6.64	5.10	7.43	0.00	408.1
8.300	3.75	7.99	3.33	8.89	0.00	266.8
8.400	2.91	9.65	2.58	10.71	0.00	206.0
8.500	2.62	11.83	2.31	13.10	0.00	184.8
8.600	2.55	14.88	2.25	16.47	0.00	179.8
8.700	2.70	19.72	2.38	21.84	0.00	190.6
8.800	3.31	29.01	2.93	32.19	0.00	234.1
8.900	5.65	56.11	5.02	62.47	0.00	401.8
9.000	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: 5C1T

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	0.6	5.9	25.07	0.00	19.28	0.00
1.100	0.4	4.4	21.24	0.00	16.34	0.00
1.200	0.3	2.9	17.54	0.00	13.49	0.00
1.300	0.1	1.5	14.03	0.00	10.79	0.00
1.400	0.0	-0.1	-11.06	0.00	-8.51	0.00
1.500	-0.2	-1.5	-13.29	0.00	-10.23	0.00
1.600	-0.3	-3.1	-15.87	0.00	-12.21	0.00
1.700	-0.5	-4.6	-18.62	0.00	-14.33	0.00
1.800	-0.6	-6.0	-21.45	0.00	-16.50	0.00
1.900	-0.8	-7.5	-24.44	0.00	-18.80	0.00
2.000	-0.9	-9.0	-27.13	0.00	-20.87	0.00
2.000	0.8	-9.0	26.51	0.00	20.39	0.00
2.100	0.6	6.4	23.58	0.00	18.14	0.00
2.200	0.5	4.9	20.19	0.00	15.53	0.00
2.300	0.3	3.4	16.67	0.00	12.82	0.00
2.400	0.2	2.0	13.97	0.00	10.75	0.00
2.500	0.0	0.5	11.58	0.00	8.91	0.00
2.600	-0.1	-1.1	-13.22	0.00	-10.17	0.00
2.700	-0.3	-2.6	-16.16	0.00	-12.43	0.00
2.800	-0.4	-4.1	-19.38	0.00	-14.91	0.00
2.900	-0.6	-5.5	-22.61	0.00	-17.39	0.00
3.000	-0.7	-7.0	-25.68	0.00	-19.76	0.00
3.000	0.7	7.3	25.95	0.00	19.96	0.00
3.100	0.6	5.8	22.99	0.00	17.69	0.00
3.200	0.4	4.4	19.81	0.00	15.24	0.00
3.300	0.3	2.9	16.57	0.00	12.75	0.00
3.400	0.1	1.4	13.57	0.00	10.44	0.00
3.500	0.0	-0.1	-11.30	0.00	-8.69	0.00
3.600	-0.2	-1.6	-13.83	0.00	-10.64	0.00
3.700	-0.3	-3.1	-16.79	0.00	-12.92	0.00
3.800	-0.5	-4.6	-20.08	0.00	-15.45	0.00
3.900	-0.6	-6.1	-23.31	0.00	-17.93	0.00
4.000	-0.8	-7.5	-26.30	0.00	-20.23	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

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	0.7	-7.5	26.09	0.00	20.07	0.00
4.100	0.6	6.0	23.11	0.00	17.77	0.00
4.200	0.5	4.5	19.89	0.00	15.30	0.00
4.300	0.3	3.0	16.62	0.00	12.78	0.00
4.400	0.2	1.6	13.65	0.00	10.50	0.00
4.500	0.0	0.1	11.15	0.00	8.58	0.00
4.600	-0.1	-1.5	-13.64	0.00	-10.49	0.00
4.700	-0.3	-3.0	-16.59	0.00	-12.76	0.00
4.800	-0.4	-4.4	-19.87	0.00	-15.28	0.00
4.900	-0.6	-5.9	-23.07	0.00	-17.74	0.00
5.000	-0.7	-7.4	-26.04	0.00	-20.03	0.00
5.000	0.7	7.4	26.04	0.00	20.03	0.00
5.100	0.6	5.9	23.07	0.00	17.74	0.00
5.200	0.4	4.4	19.87	0.00	15.28	0.00
5.300	0.3	3.0	16.59	0.00	12.76	0.00
5.400	0.1	1.5	13.64	0.00	10.49	0.00
5.500	0.0	0.1	-11.15	0.00	-8.58	0.00
5.600	-0.2	-1.6	-13.65	0.00	-10.50	0.00
5.700	-0.3	-3.0	-16.62	0.00	-12.78	0.00
5.800	-0.5	-4.5	-19.89	0.00	-15.30	0.00
5.900	-0.6	-6.0	-23.11	0.00	-17.77	0.00
6.000	-0.7	-7.5	-26.09	0.00	-20.07	0.00
6.000	0.8	7.5	26.30	0.00	20.23	0.00
6.100	0.6	6.1	23.31	0.00	17.93	0.00
6.200	0.5	4.6	20.08	0.00	15.45	0.00
6.300	0.3	3.1	16.79	0.00	12.92	0.00
6.400	0.2	1.6	13.83	0.00	10.64	0.00
6.500	0.0	0.2	11.30	0.00	8.69	0.00
6.600	-0.1	-1.4	-13.57	0.00	-10.44	0.00
6.700	-0.3	-2.9	-16.57	0.00	-12.75	0.00
6.800	-0.4	-4.4	-19.81	0.00	-15.24	0.00
6.900	-0.6	-5.8	-22.99	0.00	-17.69	0.00
7.000	-0.7	-7.3	-25.95	0.00	-19.96	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

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	0.7	-7.3	25.68	0.00	19.76	0.00
7.100	0.6	5.5	22.61	0.00	17.39	0.00
7.200	0.4	4.1	19.38	0.00	14.91	0.00
7.300	0.3	2.6	16.16	0.00	12.43	0.00
7.400	0.1	1.1	13.22	0.00	10.17	0.00
7.500	0.0	-0.4	-11.58	0.00	-8.91	0.00
7.600	-0.2	-2.0	-13.97	0.00	-10.75	0.00
7.700	-0.3	-3.4	-16.67	0.00	-12.82	0.00
7.800	-0.5	-4.9	-20.19	0.00	-15.53	0.00
7.900	-0.6	-6.4	-23.58	0.00	-18.14	0.00
8.000	-0.8	-7.8	-26.68	0.00	-20.52	0.00
8.000	0.9	9.0	27.13	0.00	20.87	0.00
8.100	0.8	7.5	24.44	0.00	18.80	0.00
8.200	0.6	6.0	21.45	0.00	16.50	0.00
8.300	0.5	4.6	18.62	0.00	14.33	0.00
8.400	0.3	3.1	15.87	0.00	12.21	0.00
8.500	0.2	1.6	13.29	0.00	10.23	0.00
8.600	0.0	0.1	-11.06	0.00	-8.51	0.00
8.700	-0.1	-1.5	-14.03	0.00	-10.79	0.00
8.800	-0.3	-2.9	-17.54	0.00	-13.49	0.00
8.900	-0.4	-4.4	-21.24	0.00	-16.34	0.00
9.000	-0.6	-5.9	-25.07	0.00	-19.28	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	151.3	-122.8	109.9
1.100	151.3	-121.2	111.5
1.200	151.3	-119.6	113.2
1.300	151.3	-118.0	114.8
1.400	151.3	-116.3	116.4
1.500	151.3	-114.7	118.0
1.600	151.3	-113.0	119.8
1.700	151.3	-111.3	121.4
1.800	151.3	-109.7	123.0
1.900	151.3	-108.1	124.6
2.000	151.3	-106.5	126.3
2.000	151.3	-106.5	107.7
2.100	151.3	-123.4	109.4
2.200	151.3	-121.8	111.0
2.300	151.3	-120.1	112.6
2.400	151.3	-118.5	114.2
2.500	151.3	-116.9	115.8
2.600	151.3	-115.1	117.6
2.700	151.3	-113.5	119.2
2.800	151.3	-111.9	120.8
2.900	151.3	-110.3	122.5
3.000	151.3	-108.7	117.1
3.000	151.3	-108.7	108.3
3.100	151.3	-122.8	110.0
3.200	151.3	-121.2	111.6
3.300	151.3	-119.6	113.2
3.400	151.3	-117.9	114.8
3.500	151.3	-116.3	116.4
3.600	151.3	-114.6	118.2
3.700	151.3	-112.9	119.8
3.800	151.3	-111.3	121.4
3.900	151.3	-109.7	123.0
4.000	151.3	-108.1	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-108.1	108.2
4.100	151.3	-123.0	109.8
4.200	151.3	-121.3	111.4
4.300	151.3	-119.7	113.0
4.400	151.3	-118.1	114.6
4.500	151.3	-116.5	116.3
4.600	151.3	-114.7	118.0
4.700	151.3	-113.1	119.6
4.800	151.3	-111.5	121.3
4.900	151.3	-109.9	122.9
5.000	151.3	-108.2	117.1
5.000	151.3	-108.2	108.2
5.100	151.3	-122.9	109.9
5.200	151.3	-121.3	111.5
5.300	151.3	-119.6	113.1
5.400	151.3	-118.0	114.7
5.500	151.3	-116.4	116.3
5.600	151.3	-114.6	118.1
5.700	151.3	-113.0	119.7
5.800	151.3	-111.4	121.3
5.900	151.3	-109.8	123.0
6.000	151.3	-108.2	117.1
6.000	151.3	-108.2	108.1
6.100	151.3	-123.0	109.7
6.200	151.3	-121.4	111.3
6.300	151.3	-119.8	112.9
6.400	151.3	-118.2	114.6
6.500	151.3	-116.6	116.2
6.600	151.3	-114.8	117.9
6.700	151.3	-113.2	119.6
6.800	151.3	-111.6	121.2
6.900	151.3	-110.0	122.8
7.000	151.3	-108.3	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-108.3	108.7
7.100	151.3	-122.5	110.3
7.200	151.3	-120.8	111.9
7.300	151.3	-119.2	113.5
7.400	151.3	-117.6	115.1
7.500	151.3	-116.0	116.8
7.600	151.3	-114.2	118.5
7.700	151.3	-112.6	120.1
7.800	151.3	-111.0	121.8
7.900	151.3	-109.4	123.4
8.000	151.3	-107.7	117.2
8.000	151.3	-107.7	106.5
8.100	151.3	-124.6	108.1
8.200	151.3	-123.0	109.7
8.300	151.3	-121.4	111.3
8.400	151.3	-119.8	113.0
8.500	151.3	-118.1	114.6
8.600	151.3	-116.4	116.3
8.700	151.3	-114.8	118.0
8.800	151.3	-113.2	119.6
8.900	151.3	-111.5	121.2
9.000	151.3	-109.9	117.0

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	58.42	4.39	0.00	350.8
1.100	34.13	5.25	0.00	420.1
1.200	22.09	6.45	0.00	516.1
1.300	14.41	8.18	0.00	654.7
1.400	10.52	10.77	0.00	841.7
1.500	8.63	14.00	0.00	690.6
1.600	7.12	19.68	0.00	569.4
1.700	5.98	29.68	0.00	478.3
1.800	5.12	52.67	0.00	409.3
1.900	4.42	142.22	0.00	353.9
2.000	3.92	258.16	0.00	314.0
2.000	3.92	4.07	0.00	314.0
2.100	41.12	4.64	0.00	371.0
2.200	26.72	5.50	0.00	439.8
2.300	18.81	6.76	0.00	540.4
2.400	14.00	8.18	0.00	654.0
2.500	10.87	10.00	0.00	800.1
2.600	8.71	12.44	0.00	696.9
2.700	7.02	16.14	0.00	561.9
2.800	5.77	22.10	0.00	461.9
2.900	4.88	32.68	0.00	390.2
3.000	4.23	36.83	0.00	338.5
3.000	4.23	4.18	0.00	334.0
3.100	38.59	4.78	0.00	382.6
3.200	25.59	5.63	0.00	450.6
3.300	17.97	6.83	0.00	546.4
3.400	13.30	8.46	0.00	676.8
3.500	10.29	10.49	0.00	823.5
3.600	8.28	13.52	0.00	662.7
3.700	6.72	18.23	0.00	538.0
3.800	5.54	26.01	0.00	443.5
3.900	4.71	40.03	0.00	376.5
4.000	4.11	48.95	0.00	328.8

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.11	4.15	0.00	328.8
4.100	40.45	4.75	0.00	380.1
4.200	26.41	5.60	0.00	448.1
4.300	18.35	6.80	0.00	544.1
4.400	13.55	8.40	0.00	671.9
4.500	10.48	10.43	0.00	834.4
4.600	8.41	13.47	0.00	673.0
4.700	6.82	18.19	0.00	545.3
4.800	5.61	26.04	0.00	449.0
4.900	4.76	39.79	0.00	381.0
5.000	4.16	46.74	0.00	332.5
5.000	4.16	4.16	0.00	332.5
5.100	39.79	4.76	0.00	381.0
5.200	26.04	5.61	0.00	449.0
5.300	18.19	6.82	0.00	545.3
5.400	13.47	8.41	0.00	673.0
5.500	10.44	10.47	0.00	835.3
5.600	8.40	13.55	0.00	671.9
5.700	6.80	18.35	0.00	544.1
5.800	5.60	26.41	0.00	448.1
5.900	4.75	40.45	0.00	380.1
6.000	4.15	47.01	0.00	331.7
6.000	4.15	4.11	0.00	328.8
6.100	40.03	4.71	0.00	376.5
6.200	26.01	5.54	0.00	443.5
6.300	18.23	6.72	0.00	538.0
6.400	13.52	8.28	0.00	662.7
6.500	10.50	10.28	0.00	822.6
6.600	8.46	13.30	0.00	676.8
6.700	6.83	17.97	0.00	546.4
6.800	5.63	25.59	0.00	450.6
6.900	4.78	38.59	0.00	382.6
7.000	4.18	46.97	0.00	334.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.18	4.23	0.00	334.0
7.100	32.68	4.88	0.00	390.2
7.200	22.10	5.77	0.00	461.9
7.300	16.14	7.02	0.00	561.9
7.400	12.44	8.71	0.00	696.9
7.500	10.01	10.86	0.00	801.0
7.600	8.18	14.00	0.00	654.0
7.700	6.76	18.81	0.00	540.4
7.800	5.50	26.72	0.00	439.8
7.900	4.64	41.12	0.00	371.0
8.000	4.04	47.94	0.00	323.1
8.000	4.04	3.92	0.00	314.0
8.100	142.22	4.42	0.00	353.9
8.200	52.67	5.12	0.00	409.3
8.300	29.68	5.98	0.00	478.3
8.400	19.68	7.12	0.00	569.4
8.500	14.01	8.62	0.00	689.8
8.600	10.52	10.77	0.00	841.9
8.700	8.18	14.41	0.00	654.7
8.800	6.45	22.09	0.00	516.1
8.900	5.25	34.13	0.00	420.1
9.000	4.39	999.00	0.00	350.8

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1T

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 79.4	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
1.100 92.9	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
1.200 02.5	279.4	279.4	-279.4	-279.4	256.3	256.3	-302.5	-3
1.300 08.2	279.4	279.4	-279.4	-279.4	250.6	250.6	-308.2	-3
1.400 10.1	279.4	279.4	-279.4	-279.4	248.7	248.7	-310.1	-3
1.500 08.1	279.4	279.4	-279.4	-279.4	250.7	250.7	-308.1	-3
1.600 01.9	279.4	279.4	-279.4	-279.4	256.9	256.9	-301.9	-3
1.700 91.8	279.4	279.4	-279.4	-279.4	267.0	267.0	-291.8	-2
1.800 77.9	279.4	279.4	-279.4	-279.4	280.9	280.9	-277.9	-2
1.900 60.0	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
2.000 38.3	279.4	279.4	-279.4	-279.4	320.5	320.5	-238.3	-2
2.000 38.3	279.4	279.4	-279.4	-279.4	320.5	320.5	-238.3	-2
2.100 57.0	279.4	279.4	-279.4	-279.4	301.8	301.8	-257.0	-2
2.200 71.8	279.4	279.4	-279.4	-279.4	287.0	287.0	-271.8	-2
2.300 82.8	279.4	279.4	-279.4	-279.4	276.0	276.0	-282.8	-2
2.400 89.9	279.4	279.4	-279.4	-279.4	268.9	268.9	-289.9	-2
2.500 93.0	279.4	279.4	-279.4	-279.4	265.8	265.8	-293.0	-2
2.600 92.1	279.4	279.4	-279.4	-279.4	266.7	266.7	-292.1	-2
2.700 87.2	279.4	279.4	-279.4	-279.4	271.6	271.6	-287.2	-2
2.800 78.5	279.4	279.4	-279.4	-279.4	280.3	280.3	-278.5	-2
2.900 65.8	279.4	279.4	-279.4	-279.4	293.0	293.0	-265.8	-2

3.000 49.4	279.4	279.4	-279.4	-279.4	309.4	309.4	-249.4	-2
3.000 49.4	279.4	279.4	-279.4	-279.4	309.4	309.4	-249.4	-2
3.100 66.6	279.4	279.4	-279.4	-279.4	292.2	292.2	-266.6	-2
3.200 80.1	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
3.300 89.6	279.4	279.4	-279.4	-279.4	269.2	269.2	-289.6	-2
3.400 95.3	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
3.500 97.1	279.4	279.4	-279.4	-279.4	261.7	261.7	-297.1	-2
3.600 94.7	279.4	279.4	-279.4	-279.4	264.1	264.1	-294.7	-2
3.700 88.4	279.4	279.4	-279.4	-279.4	270.4	270.4	-288.4	-2
3.800 78.3	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
3.900 64.2	279.4	279.4	-279.4	-279.4	294.6	294.6	-264.2	-2
4.000 46.3	279.4	279.4	-279.4	-279.4	312.5	312.5	-246.3	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1T

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 46.3	279.4	279.4	-279.4	-279.4	312.5	312.5	-246.3	-2
4.100 64.0	279.4	279.4	-279.4	-279.4	294.8	294.8	-264.0	-2
4.200 77.9	279.4	279.4	-279.4	-279.4	280.9	280.9	-277.9	-2
4.300 87.8	279.4	279.4	-279.4	-279.4	271.0	271.0	-287.8	-2
4.400 93.9	279.4	279.4	-279.4	-279.4	264.9	264.9	-293.9	-2
4.500 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
4.600 94.1	279.4	279.4	-279.4	-279.4	264.7	264.7	-294.1	-2
4.700 88.2	279.4	279.4	-279.4	-279.4	270.6	270.6	-288.2	-2
4.800 78.5	279.4	279.4	-279.4	-279.4	280.3	280.3	-278.5	-2
4.900 64.8	279.4	279.4	-279.4	-279.4	294.0	294.0	-264.8	-2
5.000 47.4	279.4	279.4	-279.4	-279.4	311.4	311.4	-247.4	-2
5.000 47.4	279.4	279.4	-279.4	-279.4	311.4	311.4	-247.4	-2
5.100 64.8	279.4	279.4	-279.4	-279.4	294.0	294.0	-264.8	-2
5.200 78.5	279.4	279.4	-279.4	-279.4	280.3	280.3	-278.5	-2
5.300 88.2	279.4	279.4	-279.4	-279.4	270.6	270.6	-288.2	-2
5.400 94.1	279.4	279.4	-279.4	-279.4	264.7	264.7	-294.1	-2
5.500 96.1	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
5.600 93.9	279.4	279.4	-279.4	-279.4	264.9	264.9	-293.9	-2
5.700 87.8	279.4	279.4	-279.4	-279.4	271.0	271.0	-287.8	-2
5.800 77.9	279.4	279.4	-279.4	-279.4	280.9	280.9	-277.9	-2
5.900 64.0	279.4	279.4	-279.4	-279.4	294.8	294.8	-264.0	-2

6.000	279.4	279.4	-279.4	-279.4	312.5	312.5	-246.3	-2
46.3								
6.000	279.4	279.4	-279.4	-279.4	312.5	312.5	-246.3	-2
46.3								
6.100	279.4	279.4	-279.4	-279.4	294.6	294.6	-264.2	-2
64.2								
6.200	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
6.300	279.4	279.4	-279.4	-279.4	270.4	270.4	-288.4	-2
88.4								
6.400	279.4	279.4	-279.4	-279.4	264.1	264.1	-294.7	-2
94.7								
6.500	279.4	279.4	-279.4	-279.4	261.7	261.7	-297.1	-2
97.1								
6.600	279.4	279.4	-279.4	-279.4	263.5	263.5	-295.3	-2
95.3								
6.700	279.4	279.4	-279.4	-279.4	269.2	269.2	-289.6	-2
89.6								
6.800	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
80.1								
6.900	279.4	279.4	-279.4	-279.4	292.2	292.2	-266.6	-2
66.6								
7.000	279.4	279.4	-279.4	-279.4	309.4	309.4	-249.4	-2
49.4								

9.000	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
79.4								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

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	5.23	58.24	5.23	58.24	0.00	418.7
1.200	3.06	30.08	3.06	30.08	0.00	244.4
1.300	2.49	20.43	2.49	20.43	0.00	199.2
1.400	2.35	15.42	2.35	15.42	0.00	187.9
1.500	2.41	12.25	2.41	12.25	0.00	193.1
1.600	2.69	10.01	2.69	10.01	0.00	215.0
1.700	3.47	8.29	3.47	8.29	0.00	277.9
1.800	5.30	6.91	5.30	6.91	0.00	424.3
1.900	12.19	5.62	12.19	5.62	0.00	449.5
2.000	27.41	3.26	27.41	3.26	0.00	261.0
2.000	27.41	3.26	27.41	3.26	0.00	261.0
2.100	14.08	4.80	14.08	4.80	0.00	383.9
2.200	6.15	5.89	6.15	5.89	0.00	471.6
2.300	3.96	6.69	3.96	6.69	0.00	316.7
2.400	3.32	7.27	3.32	7.27	0.00	265.2
2.500	3.12	7.78	3.12	7.78	0.00	249.6
2.600	3.24	7.93	3.24	7.93	0.00	259.4
2.700	3.81	7.57	3.81	7.57	0.00	304.4
2.800	5.25	6.97	5.25	6.97	0.00	420.0
2.900	10.33	6.07	10.33	6.07	0.00	485.6
3.000	19.26	4.21	19.26	4.21	0.00	336.5
3.000	19.26	4.21	19.26	4.21	0.00	336.5
3.100	9.92	6.30	9.92	6.30	0.00	503.6
3.200	5.09	7.34	5.09	7.34	0.00	407.2
3.300	3.68	8.09	3.68	8.09	0.00	294.6
3.400	3.09	8.63	3.09	8.63	0.00	247.1
3.500	2.96	8.67	2.96	8.67	0.00	237.1
3.600	3.14	8.38	3.14	8.38	0.00	251.6
3.700	3.74	7.72	3.74	7.72	0.00	299.6
3.800	5.26	6.95	5.26	6.95	0.00	420.4
3.900	10.68	5.97	10.68	5.97	0.00	477.9
4.000	24.82	4.13	24.82	4.13	0.00	330.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	24.82	4.13	24.82	4.13	0.00	330.3
4.100	10.90	5.86	10.90	5.86	0.00	469.2
4.200	5.31	6.82	5.31	6.82	0.00	424.7
4.300	3.77	7.59	3.77	7.59	0.00	301.5
4.400	3.17	8.24	3.17	8.24	0.00	253.7
4.500	3.02	8.60	3.02	8.60	0.00	241.3
4.600	3.16	8.42	3.16	8.42	0.00	252.9
4.700	3.77	7.74	3.77	7.74	0.00	301.5
4.800	5.23	6.97	5.23	6.97	0.00	418.2
4.900	10.55	6.00	10.55	6.00	0.00	480.1
5.000	24.59	4.17	24.59	4.17	0.00	333.9
5.000	24.59	4.17	24.59	4.17	0.00	333.9
5.100	10.55	6.00	10.55	6.00	0.00	480.0
5.200	5.23	6.97	5.23	6.97	0.00	418.2
5.300	3.77	7.74	3.77	7.74	0.00	301.5
5.400	3.16	8.38	3.16	8.38	0.00	252.9
5.500	3.02	8.60	3.02	8.60	0.00	241.3
5.600	3.17	8.28	3.17	8.28	0.00	253.7
5.700	3.77	7.59	3.77	7.59	0.00	301.5
5.800	5.31	6.82	5.31	6.82	0.00	424.7
5.900	10.90	5.86	10.90	5.86	0.00	469.2
6.000	25.84	4.13	25.84	4.13	0.00	330.3
6.000	25.84	4.13	25.84	4.13	0.00	330.3
6.100	10.68	5.97	10.68	5.97	0.00	477.9
6.200	5.26	6.95	5.26	6.95	0.00	420.4
6.300	3.74	7.72	3.74	7.72	0.00	299.6
6.400	3.14	8.38	3.14	8.38	0.00	251.5
6.500	2.96	8.67	2.96	8.67	0.00	237.1
6.600	3.09	8.63	3.09	8.63	0.00	247.1
6.700	3.68	8.09	3.68	8.09	0.00	294.6
6.800	5.09	7.34	5.09	7.34	0.00	407.2
6.900	9.92	6.30	9.92	6.30	0.00	503.6
7.000	19.26	4.21	19.26	4.21	0.00	336.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1T

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	19.26	4.21	19.26	4.21	0.00	336.6
7.100	10.33	6.07	10.33	6.07	0.00	485.6
7.200	5.25	6.97	5.25	6.97	0.00	420.0
7.300	3.81	7.57	3.81	7.57	0.00	304.4
7.400	3.24	7.93	3.24	7.93	0.00	259.4
7.500	3.12	7.78	3.12	7.78	0.00	249.6
7.600	3.32	7.27	3.32	7.27	0.00	265.2
7.700	3.96	6.69	3.96	6.69	0.00	316.7
7.800	6.15	5.89	6.15	5.89	0.00	471.6
7.900	14.08	4.80	14.08	4.80	0.00	383.9
8.000	27.41	3.26	27.41	3.26	0.00	261.0
8.000	27.41	3.26	27.41	3.26	0.00	261.0
8.100	12.19	5.62	12.19	5.62	0.00	449.5
8.200	5.30	6.91	5.30	6.91	0.00	424.3
8.300	3.47	8.29	3.47	8.29	0.00	277.9
8.400	2.69	10.01	2.69	10.01	0.00	215.0
8.500	2.41	12.25	2.41	12.25	0.00	193.1
8.600	2.35	15.42	2.35	15.42	0.00	187.9
8.700	2.49	20.43	2.49	20.43	0.00	199.2
8.800	3.06	30.08	3.06	30.08	0.00	244.4
8.900	5.23	58.24	5.23	58.24	0.00	418.7
9.000	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 8

Live Load Distribution Factor 1.143

Second Live Load Dist. Factor 1.143

Comments:

Member I. D.	S03					Symmetry:
Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5	
	23.917	23.917	23.917	23.917	23.917	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	23.917	23.917	23.917	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	23.917	1	0		0.0	0.0
2	1	23.917	1	0		0.0	0.0
3	1	23.917	1	0		0.0	0.0
4	1	23.917	1	0		0.0	0.0
5	1	23.917	1	0		0.0	0.0
6	1	23.917	1	0		0.0	0.0
7	1	23.917	1	0		0.0	0.0
8	1	23.917	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	23.917	0.0
1	P	11.958	0.0	0.0	0.000	0.1
2	W	0.000	688.0	688.0	23.917	0.0
2	P	11.958	0.0	0.0	0.000	0.1
3	W	0.000	688.0	688.0	23.917	0.0
3	P	11.958	0.0	0.0	0.000	0.1
4	W	0.000	688.0	688.0	23.917	0.0
4	P	11.958	0.0	0.0	0.000	0.1
5	W	0.000	688.0	688.0	23.917	0.0
5	P	11.958	0.0	0.0	0.000	0.1
6	W	0.000	688.0	688.0	23.917	0.0
6	P	11.958	0.0	0.0	0.000	0.1
7	W	0.000	688.0	688.0	23.917	0.0
7	P	11.958	0.0	0.0	0.000	0.1
8	W	0.000	688.0	688.0	23.917	0.0
8	P	11.958	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	20.99	19.76	0.40	0.0	0.0	33.
1.100	20.99	19.76	0.40	0.0	0.0	33.
1.200	20.99	19.76	0.40	0.0	0.0	33.
1.300	20.99	19.76	0.40	0.0	0.0	33.
1.400	20.99	19.76	0.40	0.0	0.0	33.
1.500	20.99	19.76	0.40	0.0	0.0	33.
1.600	20.99	19.76	0.40	0.0	0.0	33.
1.700	20.99	19.76	0.40	0.0	0.0	33.
1.800	20.99	19.76	0.40	0.0	0.0	33.
1.900	20.99	19.76	0.40	0.0	0.0	33.
2.000	20.99	19.76	0.40	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.

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.	Top	Bott.
1.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.100	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.200	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.300	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.400	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.500	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.600	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.700	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.800	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
1.900	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
2.000	18.30	18.30	10.47	10.47	1330.0	1330.0	127.0	127.0	127.0	127.0
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

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	1.2	13.7	62.06 L	39.19	47.74	30.15
1.200	2.1	23.5	100.45 L	66.77	77.27	51.36
1.300	2.6	29.3	117.89 L	84.85	90.68	65.27
1.400	2.8	31.2	117.79 L	92.13	90.61	70.87
1.500	2.6	29.1	113.58 L	91.16	87.37	70.12
1.600	2.0	22.8	103.37 L	81.03	79.51	62.33
1.700	1.1	12.6	88.88 L	64.70	68.37	49.77
1.800	-0.2	-1.5	55.44 L	42.24	42.64	32.49
1.900	-1.8	-19.6	-53.85 R	-54.31	-41.42	-41.78
2.000	-3.8	-41.7	-100.91 L	-90.69	-77.62	-69.76
2.000	-3.8	-41.7	-100.91 L	-90.69	-77.62	-69.76
2.100	-2.1	-22.7	-67.67 R	-56.20	-52.06	-43.23
2.200	-0.7	-7.6	59.45 R	40.91	45.73	31.47
2.300	0.3	3.5	83.79 R	60.87	64.45	46.83
2.400	0.9	10.7	92.63 R	72.64	71.26	55.87
2.500	1.2	13.9	88.69 L	77.29	68.22	59.45
2.600	1.1	12.9	90.93 L	72.82	69.95	56.01
2.700	0.7	8.0	81.52 L	61.38	62.71	47.22
2.800	-0.1	-0.9	56.42 L	42.82	43.40	32.94
2.900	-1.3	-13.7	-54.60 L	-50.59	-42.00	-38.91
3.000	-2.8	-30.5	-95.40 L	-84.60	-73.38	-65.08
3.000	-2.8	-30.5	-95.40 L	-84.60	-73.38	-65.08
3.100	-1.2	-12.9	-55.60 R	-50.39	-42.77	-38.76
3.200	0.0	0.7	56.67 R	43.00	43.59	33.08
3.300	0.9	10.4	81.57 R	62.17	62.75	47.83
3.400	1.4	16.1	91.09 R	73.64	70.07	56.65
3.500	1.6	18.0	87.89 L	78.07	67.61	60.06
3.600	1.4	15.5	90.97 L	73.39	69.98	56.45
3.700	0.8	9.2	81.41 L	61.68	62.62	47.45
3.800	-0.1	-1.1	56.45 L	42.78	43.42	32.90
3.900	-1.4	-15.4	-54.66 L	-51.04	-42.05	-39.26
4.000	-3.0	-33.5	-95.00 L	-85.49	-73.08	-65.76

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	-3.0	-33.5	-95.00 L	-85.49	-73.08	-65.76
4.100	-1.4	-15.6	-54.73 R	-51.14	-42.10	-39.34
4.200	-0.2	-1.5	56.47 R	42.17	43.44	32.44
4.300	0.7	8.6	81.41 R	61.47	62.62	47.28
4.400	1.3	14.7	90.98 R	73.08	69.99	56.22
4.500	1.5	16.9	87.83 L	77.68	67.56	59.75
4.600	1.3	14.9	90.98 L	73.15	69.98	56.27
4.700	0.8	9.0	81.40 L	61.60	62.61	47.38
4.800	-0.1	-0.9	56.45 L	42.85	43.42	32.96
4.900	-1.3	-14.8	-54.67 L	-50.83	-42.05	-39.10
5.000	-2.9	-32.5	-94.97 R	-85.13	-73.06	-65.48
5.000	-2.9	-32.5	-94.97 R	-85.13	-73.06	-65.48
5.100	-1.3	-14.8	-54.67 R	-50.85	-42.05	-39.12
5.200	-0.1	-0.9	56.45 R	42.38	43.42	32.60
5.300	0.8	9.0	81.40 R	61.60	62.61	47.39
5.400	1.3	14.9	90.98 R	73.15	69.98	56.27
5.500	1.5	16.9	87.83 R	77.68	67.56	59.75
5.600	1.3	14.7	90.98 L	73.08	69.99	56.22
5.700	0.7	8.6	81.41 L	61.47	62.62	47.28
5.800	-0.2	-1.5	56.47 L	42.64	43.44	32.80
5.900	-1.4	-15.6	-54.73 L	-51.12	-42.10	-39.32
6.000	-3.0	-33.5	-94.99 L	-85.49	-73.07	-65.76
6.000	-3.0	-33.5	-94.99 L	-85.49	-73.07	-65.76
6.100	-1.4	-15.4	-54.66 R	-51.07	-42.05	-39.28
6.200	-0.1	-1.1	56.45 R	42.30	43.42	32.54
6.300	0.8	9.2	81.41 R	61.68	62.62	47.45
6.400	1.4	15.5	90.97 R	73.39	69.98	56.45
6.500	1.6	18.0	87.89 R	78.07	67.61	60.06
6.600	1.4	16.1	91.09 L	73.64	70.07	56.65
6.700	0.9	10.4	81.57 L	62.17	62.74	47.83
6.800	0.0	0.7	56.67 L	43.47	43.59	33.44
6.900	-1.2	-12.9	-55.60 L	-50.37	-42.77	-38.74
7.000	-2.8	-30.5	-95.28 L	-84.60	-73.29	-65.08

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	-2.8	-30.5	-95.28 L	-84.60	-73.29	-65.08
7.100	-1.3	-13.7	-54.60 R	-50.61	-42.00	-38.93
7.200	-0.1	-0.9	56.43 R	42.35	43.40	32.58
7.300	0.7	8.0	81.52 R	61.38	62.71	47.22
7.400	1.1	12.9	90.93 R	72.82	69.95	56.01
7.500	1.2	13.9	88.69 R	77.29	68.22	59.45
7.600	0.9	10.7	92.63 L	72.64	71.26	55.87
7.700	0.3	3.5	83.79 L	60.87	64.45	46.82
7.800	-0.7	-7.6	59.45 L	40.91	45.73	31.47
7.900	-2.1	-22.7	-67.67 L	-56.18	-52.05	-43.21
8.000	-3.8	-41.7	-100.87 R	-90.69	-77.59	-69.76
8.000	-3.8	-41.7	-100.87 R	-90.69	-77.59	-69.76
8.100	-1.8	-19.6	-53.85 L	-54.33	-41.42	-41.79
8.200	-0.2	-1.5	55.44 R	41.77	42.64	32.13
8.300	1.1	12.6	88.88 R	64.70	68.37	49.77
8.400	2.0	22.8	103.37 R	81.03	79.51	62.33
8.500	2.6	29.1	113.58 R	91.16	87.37	70.12
8.600	2.8	31.2	117.79 R	92.13	90.61	70.87
8.700	2.6	29.3	117.89 R	84.85	90.68	65.27
8.800	2.1	23.5	100.45 R	66.77	77.27	51.36
8.900	1.2	13.7	62.06 R	39.19	47.74	30.15
9.000	0.0	0.0	0.00 R	0.00	0.00	0.00

4	3.000	180.4C	161.2	-161.2	-180.4C	200.3	181.1	-141.2	-160.
4	3.000	180.4C	161.2	-161.2	-180.4C	200.3	181.1	-141.2	-160.
9	3.100	180.4C	161.2	-161.2	-180.4C	188.8	169.7	-152.7	-171.
8	3.200	180.4C	161.2	-161.2	-180.4C	179.9	160.8	-161.6	-180.
2	3.300	180.4C	161.2	-161.2	-180.4C	173.6	154.4	-168.0	-187.
9	3.400	180.4C	161.2	-161.2	-180.4C	169.9	150.7	-171.7	-190.
1	3.500	180.4C	161.2	-161.2	-180.4C	168.7	149.5	-172.9	-192.
5	3.600	180.4C	161.2	-161.2	-180.4C	170.3	151.1	-171.3	-190.
4	3.700	180.4C	161.2	-161.2	-180.4C	174.4	155.2	-167.2	-186.
6	3.800	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.4	-179.
3	3.900	180.4C	161.2	-161.2	-180.4C	190.4	171.3	-151.1	-170.
4	4.000	180.4C	161.2	-161.2	-180.4C	202.3	183.1	-139.3	-158.

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	202.3	183.1	-139.3	-158.
4.100	180.4C	161.2	-161.2	-180.4C	190.6	171.4	-151.0	-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	174.8	155.6	-166.8	-186.
4.400	180.4C	161.2	-161.2	-180.4C	170.8	151.6	-170.8	-190.
4.500	180.4C	161.2	-161.2	-180.4C	169.3	150.1	-172.2	-191.
4.600	180.4C	161.2	-161.2	-180.4C	170.7	151.5	-170.9	-190.
4.700	180.4C	161.2	-161.2	-180.4C	174.5	155.3	-167.0	-186.
4.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
4.900	180.4C	161.2	-161.2	-180.4C	190.0	170.9	-151.5	-170.
5.000	180.4C	161.2	-161.2	-180.4C	201.7	182.5	-139.9	-159.
5.000	180.4C	161.2	-161.2	-180.4C	201.7	182.5	-139.9	-159.
5.100	180.4C	161.2	-161.2	-180.4C	190.0	170.9	-151.5	-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	174.5	155.3	-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	170.8	151.6	-170.8	-190.
5.700	180.4C	161.2	-161.2	-180.4C	174.8	155.6	-166.8	-186.
5.800	180.4C	161.2	-161.2	-180.4C	181.4	162.2	-160.2	-179.
5.900	180.4C	161.2	-161.2	-180.4C	190.6	171.4	-151.0	-170.

4	6.000	180.4C	161.2	-161.2	-180.4C	202.3	183.1	-139.3	-158.
4	6.000	180.4C	161.2	-161.2	-180.4C	202.3	183.1	-139.3	-158.
3	6.100	180.4C	161.2	-161.2	-180.4C	190.4	171.3	-151.1	-170.
6	6.200	180.4C	161.2	-161.2	-180.4C	181.1	161.9	-160.4	-179.
4	6.300	180.4C	161.2	-161.2	-180.4C	174.4	155.2	-167.2	-186.
5	6.400	180.4C	161.2	-161.2	-180.4C	170.3	151.1	-171.3	-190.
1	6.500	180.4C	161.2	-161.2	-180.4C	168.7	149.5	-172.9	-192.
9	6.600	180.4C	161.2	-161.2	-180.4C	169.9	150.7	-171.7	-190.
2	6.700	180.4C	161.2	-161.2	-180.4C	173.6	154.4	-168.0	-187.
8	6.800	180.4C	161.2	-161.2	-180.4C	179.9	160.8	-161.6	-180.
9	6.900	180.4C	161.2	-161.2	-180.4C	188.8	169.7	-152.7	-171.
4	7.000	180.4C	161.2	-161.2	-180.4C	200.3	181.1	-141.2	-160.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

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.
.									
4	7.000	180.4C	161.2	-161.2	-180.4C	200.3	181.1	-141.2	-160.
4	7.100	180.4C	161.2	-161.2	-180.4C	189.4	170.2	-152.2	-171.
8	7.200	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
6	7.300	180.4C	161.2	-161.2	-180.4C	175.2	156.0	-166.4	-185.
8	7.400	180.4C	161.2	-161.2	-180.4C	172.0	152.8	-169.6	-188.
4	7.500	180.4C	161.2	-161.2	-180.4C	171.3	152.1	-170.2	-189.
3	7.600	180.4C	161.2	-161.2	-180.4C	173.4	154.3	-168.1	-187.
6	7.700	180.4C	161.2	-161.2	-180.4C	178.1	158.9	-163.4	-182.
4	7.800	180.4C	161.2	-161.2	-180.4C	185.4	166.2	-156.2	-175.
5	7.900	180.4C	161.2	-161.2	-180.4C	195.2	176.0	-146.3	-165.
1	8.000	180.4C	161.2	-161.2	-180.4C	207.6	188.5	-133.9	-153.
1	8.000	180.4C	161.2	-161.2	-180.4C	207.6	188.5	-133.9	-153.
5	8.100	180.4C	161.2	-161.2	-180.4C	193.2	174.0	-148.3	-167.
4	8.200	180.4C	161.2	-161.2	-180.4C	181.4	162.2	-160.2	-179.
6	8.300	180.4C	161.2	-161.2	-180.4C	172.1	153.0	-169.4	-188.
3	8.400	180.4C	161.2	-161.2	-180.4C	165.5	146.3	-176.1	-195.
4	8.500	180.4C	161.2	-161.2	-180.4C	161.4	142.2	-180.2	-199.
8	8.600	180.4C	161.2	-161.2	-180.4C	160.0	140.8	-181.6	-200.
5	8.700	180.4C	161.2	-161.2	-180.4C	161.2	142.1	-180.3	-199.
7	8.800	180.4C	161.2	-161.2	-180.4C	165.0	145.9	-176.5	-195.
3	8.900	180.4C	161.2	-161.2	-180.4C	171.4	152.2	-170.1	-189.

9.000 180.4C 161.2 -161.2 -180.4C 180.4 161.2 -161.2 -180.
4

MOMENT 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	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	2.76	32.75	2.45	36.44	HS 49.06 88.3
1.200	1.64	16.99	1.45	18.83	HS 29.04 52.3
1.300	1.37	11.57	1.21	12.80	HS 24.10 43.4
1.400	1.36	8.74	1.20	9.66	HS 23.91 43.0
1.500	1.42	6.94	1.25	7.68	HS 25.03 45.1
1.600	1.60	5.65	1.41	6.26	HS 28.30 50.9
1.700	1.94	4.66	1.72	5.19	HS 34.42 62.0
1.800	3.27	3.85	2.93	4.32	HS 58.52 105.3
1.900	9.39	2.73	8.45	3.09	HS 54.63 98.3
2.000	14.91	1.33	13.54	1.52	HS 26.55 47.8
2.000	14.91	1.33	13.54	1.52	HS 26.55 47.8
2.100	9.13	2.16	8.23	2.45	HS 43.25 77.9
2.200	3.12	2.79	2.80	3.13	HS 55.85 100.5
2.300	2.13	3.52	1.90	3.93	HS 37.94 68.3
2.400	1.87	4.55	1.66	5.07	HS 33.30 59.9
2.500	1.93	6.21	1.72	6.91	HS 34.31 61.8
2.600	1.89	6.09	1.68	6.78	HS 33.60 60.5
2.700	2.15	4.78	1.91	5.33	HS 38.28 68.9
2.800	3.21	3.84	2.87	4.30	HS 57.36 103.2
2.900	7.85	2.79	7.05	3.14	HS 55.75 100.4
3.000	9.98	1.48	9.02	1.68	HS 29.61 53.3
3.000	9.98	1.48	9.02	1.68	HS 29.61 53.3
3.100	7.58	2.75	6.81	3.09	HS 54.94 98.9
3.200	3.17	3.84	2.84	4.29	HS 56.74 102.1
3.300	2.13	4.80	1.89	5.35	HS 37.86 68.2
3.400	1.87	6.17	1.65	6.86	HS 33.08 59.5
3.500	1.92	8.18	1.70	9.09	HS 34.02 61.2
3.600	1.87	6.21	1.66	6.90	HS 33.21 59.8
3.700	2.14	4.82	1.91	5.37	HS 38.13 68.6
3.800	3.21	3.84	2.87	4.30	HS 57.38 103.3
3.900	8.04	2.77	7.23	3.12	HS 55.30 99.5
4.000	13.10	1.47	11.86	1.67	HS 29.32 52.8

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		
4.000	13.10	1.47	11.86	1.67	HS 29.32	52.8
4.100	7.94	2.76	7.14	3.11	HS 55.18	99.3
4.200	3.21	3.83	2.87	4.29	HS 57.45	103.4
4.300	2.15	4.80	1.91	5.36	HS 38.23	68.8
4.400	1.88	6.19	1.67	6.88	HS 33.32	60.0
4.500	1.93	8.07	1.71	8.97	HS 34.19	61.5
4.600	1.88	6.20	1.66	6.89	HS 33.30	59.9
4.700	2.14	4.82	1.91	5.37	HS 38.17	68.7
4.800	3.21	3.84	2.87	4.30	HS 57.33	103.2
4.900	7.95	2.77	7.15	3.12	HS 55.44	99.8
5.000	12.85	1.47	11.63	1.67	HS 29.46	53.0
5.100	7.82	2.77	7.03	3.12	HS 55.44	99.8
5.200	3.21	3.84	2.87	4.30	HS 57.33	103.2
5.300	2.14	4.82	1.91	5.37	HS 38.17	68.7
5.400	1.88	6.20	1.66	6.89	HS 33.30	59.9
5.500	1.93	8.07	1.71	8.97	HS 34.19	61.5
5.600	1.88	6.19	1.67	6.88	HS 33.32	60.0
5.700	2.15	4.80	1.91	5.36	HS 38.23	68.8
5.800	3.21	3.83	2.87	4.29	HS 57.45	103.4
5.900	8.07	2.76	7.26	3.11	HS 55.18	99.3
6.000	13.10	1.47	11.86	1.67	HS 29.32	52.8
6.100	7.91	2.77	7.11	3.12	HS 55.30	99.5
6.200	3.21	3.84	2.87	4.30	HS 57.38	103.3
6.300	2.14	4.82	1.91	5.37	HS 38.13	68.6
6.400	1.87	6.21	1.66	6.90	HS 33.21	59.8
6.500	1.92	8.18	1.70	9.09	HS 34.02	61.2
6.600	1.87	6.17	1.65	6.86	HS 33.08	59.5
6.700	2.13	4.80	1.89	5.35	HS 37.86	68.2
6.800	3.17	3.84	2.84	4.29	HS 56.74	102.1
6.900	7.70	2.75	6.92	3.09	HS 54.94	98.9
7.000	9.98	1.48	9.02	1.68	HS 29.65	53.4

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		
7.000	9.98	1.48	9.02	1.68	HS 29.65	53.4
7.100	7.72	2.79	6.94	3.14	HS 55.75	100.4
7.200	3.21	3.84	2.87	4.30	HS 57.36	103.2
7.300	2.15	4.78	1.91	5.33	HS 38.28	68.9
7.400	1.89	6.09	1.68	6.78	HS 33.60	60.5
7.500	1.93	6.21	1.72	6.91	HS 34.31	61.8
7.600	1.87	4.55	1.66	5.07	HS 33.30	59.9
7.700	2.13	3.52	1.90	3.93	HS 37.94	68.3
7.800	3.12	2.79	2.80	3.13	HS 55.85	100.5
7.900	9.30	2.16	8.39	2.45	HS 43.25	77.9
8.000	14.91	1.33	13.54	1.52	HS 26.55	47.8
8.000	14.91	1.33	13.54	1.52	HS 26.55	47.8
8.100	9.21	2.73	8.30	3.08	HS 54.61	98.3
8.200	3.27	3.85	2.93	4.32	HS 58.52	105.3
8.300	1.94	4.66	1.72	5.19	HS 34.42	62.0
8.400	1.60	5.65	1.41	6.26	HS 28.30	50.9
8.500	1.42	6.94	1.25	7.68	HS 25.03	45.1
8.600	1.36	8.74	1.20	9.66	HS 23.91	43.0
8.700	1.37	11.57	1.21	12.80	HS 24.10	43.4
8.800	1.64	16.99	1.45	18.83	HS 29.04	52.3
8.900	2.76	32.75	2.45	36.44	HS 49.06	88.3
9.000	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 Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.6	6.6	31.19	24.40	24.00	18.77
1.100	0.4	4.9	25.95	20.89	19.96	16.07
1.200	0.3	3.3	21.00	17.56	16.15	13.51
1.300	0.1	1.6	16.43	14.43	12.64	11.10
1.400	0.0	-0.1	12.31	11.52	9.47	8.86
1.500	-0.2	-1.7	-15.37	-13.95	-11.82	-10.73
1.600	-0.3	-3.5	-18.34	-16.67	-14.11	-12.83
1.700	-0.5	-5.1	-22.80	-19.32	-17.54	-14.86
1.800	-0.6	-6.7	-27.72	-21.85	-21.32	-16.81
1.900	-0.8	-8.4	-32.21	-24.21	-24.77	-18.62
2.000	-0.9	-10.0	-36.19	-26.36	-27.84	-20.28
2.000	0.8	-10.0	33.50	26.13	25.77	20.10
2.100	0.6	7.1	29.37	23.54	22.59	18.11
2.200	0.5	5.5	24.68	20.73	18.98	15.95
2.300	0.3	3.8	20.51	17.81	15.77	13.70
2.400	0.2	2.2	17.12	14.86	13.17	11.43
2.500	0.0	0.5	-13.52	11.97	-10.40	9.21
2.600	-0.1	-1.2	-17.02	-14.82	-13.09	-11.40
2.700	-0.3	-2.9	-20.39	-17.75	-15.68	-13.65
2.800	-0.4	-4.5	-24.99	-20.63	-19.22	-15.87
2.900	-0.6	-6.2	-29.62	-23.37	-22.79	-17.97
3.000	-0.7	-7.8	-33.97	-25.86	-26.13	-19.89
3.000	0.7	8.2	33.80	25.99	26.00	20.00
3.100	0.6	6.5	29.42	23.47	22.63	18.05
3.200	0.4	4.9	24.77	20.70	19.05	15.92
3.300	0.3	3.2	20.31	17.79	15.63	13.69
3.400	0.1	1.6	16.93	14.84	13.02	11.41
3.500	0.0	-0.1	13.39	-12.04	10.30	-9.26
3.600	-0.2	-1.8	-16.92	-14.95	-13.02	-11.50
3.700	-0.3	-3.5	-20.31	-17.90	-15.62	-13.77
3.800	-0.5	-5.1	-24.79	-20.80	-19.07	-16.00
3.900	-0.6	-6.8	-29.44	-23.57	-22.64	-18.13
4.000	-0.8	-8.4	-33.81	-26.09	-26.01	-20.07

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
4.000	0.7	-8.4	33.80	26.06	26.00	20.04
4.100	0.6	6.7	29.42	23.54	22.63	18.10
4.200	0.5	5.0	24.77	20.77	19.06	15.98
4.300	0.3	3.4	20.30	17.86	15.62	13.74
4.400	0.2	1.8	16.91	14.91	13.01	11.47
4.500	0.0	0.1	13.38	12.00	10.29	9.23
4.600	-0.1	-1.7	-16.91	-14.88	-13.01	-11.45
4.700	-0.3	-3.3	-20.30	-17.84	-15.62	-13.72
4.800	-0.4	-5.0	-24.77	-20.74	-19.06	-15.96
4.900	-0.6	-6.6	-29.42	-23.51	-22.63	-18.08
5.000	-0.7	-8.2	-33.80	-26.03	-26.00	-20.02
5.000	0.7	8.2	33.80	26.03	26.00	20.02
5.100	0.6	6.6	29.42	23.51	22.63	18.08
5.200	0.4	5.0	24.77	20.74	19.06	15.96
5.300	0.3	3.3	20.30	17.84	15.62	13.72
5.400	0.1	1.7	16.91	14.88	13.01	11.45
5.500	0.0	0.1	13.38	-12.00	10.29	-9.23
5.600	-0.2	-1.8	-16.91	-14.91	-13.01	-11.47
5.700	-0.3	-3.4	-20.30	-17.86	-15.62	-13.74
5.800	-0.5	-5.0	-24.77	-20.77	-19.06	-15.98
5.900	-0.6	-6.7	-29.42	-23.54	-22.63	-18.10
6.000	-0.7	-8.3	-33.80	-26.06	-26.00	-20.04
6.000	0.8	8.4	33.81	26.09	26.01	20.07
6.100	0.6	6.8	29.44	23.57	22.64	18.13
6.200	0.5	5.1	24.79	20.80	19.07	16.00
6.300	0.3	3.5	20.31	17.90	15.62	13.77
6.400	0.2	1.8	16.92	14.95	13.02	11.50
6.500	0.0	0.2	13.39	12.04	10.30	9.26
6.600	-0.1	-1.6	-16.93	-14.84	-13.02	-11.41
6.700	-0.3	-3.2	-20.31	-17.79	-15.63	-13.69
6.800	-0.4	-4.9	-24.77	-20.70	-19.05	-15.92
6.900	-0.6	-6.5	-29.42	-23.47	-22.63	-18.05
7.000	-0.7	-8.2	-33.80	-25.99	-26.00	-20.00

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
7.000	0.7	-8.2	33.97	25.86	26.13	19.89
7.100	0.6	6.2	29.62	23.37	22.79	17.97
7.200	0.4	4.5	24.99	20.63	19.22	15.87
7.300	0.3	2.9	20.39	17.75	15.68	13.65
7.400	0.1	1.2	17.02	14.82	13.09	11.40
7.500	0.0	-0.5	13.52	-11.97	10.40	-9.21
7.600	-0.2	-2.2	-17.12	-14.86	-13.17	-11.43
7.700	-0.3	-3.8	-20.51	-17.81	-15.77	-13.70
7.800	-0.5	-5.5	-24.68	-20.73	-18.98	-15.95
7.900	-0.6	-7.1	-29.37	-23.54	-22.59	-18.11
8.000	-0.8	-8.8	-33.82	-26.13	-26.01	-20.10
8.000	0.9	10.0	36.19	26.36	27.84	20.28
8.100	0.8	8.4	32.21	24.21	24.77	18.62
8.200	0.6	6.7	27.72	21.85	21.32	16.81
8.300	0.5	5.1	22.80	19.32	17.54	14.86
8.400	0.3	3.5	18.34	16.67	14.11	12.83
8.500	0.2	1.8	15.37	13.95	11.82	10.73
8.600	0.0	0.1	-12.31	-11.52	-9.47	-8.86
8.700	-0.1	-1.6	-16.43	-14.43	-12.64	-11.10
8.800	-0.3	-3.3	-21.00	-17.56	-16.15	-13.51
8.900	-0.4	-4.9	-25.95	-20.89	-19.96	-16.07
9.000	-0.6	-6.6	-31.19	-24.40	-24.00	-18.77

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	90.8	-74.1	65.5
1.100	90.8	-73.0	66.6
1.200	90.8	-72.0	67.7
1.300	90.8	-70.9	68.8
1.400	90.8	-69.8	69.8
1.500	90.8	-68.7	70.9
1.600	90.8	-67.6	72.1
1.700	90.8	-66.5	73.2
1.800	90.8	-65.4	74.2
1.900	90.8	-64.3	75.3
2.000	90.8	-63.3	76.4
2.000	90.8	-63.3	64.1
2.100	90.8	-74.5	65.2
2.200	90.8	-73.4	66.2
2.300	90.8	-72.3	67.3
2.400	90.8	-71.2	68.4
2.500	90.8	-70.2	69.5
2.600	90.8	-69.0	70.6
2.700	90.8	-67.9	71.7
2.800	90.8	-66.9	72.8
2.900	90.8	-65.8	73.9
3.000	90.8	-64.7	70.2
3.000	90.8	-64.7	64.5
3.100	90.8	-74.1	65.6
3.200	90.8	-73.0	66.6
3.300	90.8	-71.9	67.7
3.400	90.8	-70.9	68.8
3.500	90.8	-69.8	69.9
3.600	90.8	-68.6	71.0
3.700	90.8	-67.5	72.1
3.800	90.8	-66.5	73.2
3.900	90.8	-65.4	74.3
4.000	90.8	-64.3	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	-64.3	64.4
4.100	90.8	-74.2	65.4
4.200	90.8	-73.1	66.5
4.300	90.8	-72.0	67.6
4.400	90.8	-71.0	68.7
4.500	90.8	-69.9	69.8
4.600	90.8	-68.7	70.9
4.700	90.8	-67.7	72.0
4.800	90.8	-66.6	73.1
4.900	90.8	-65.5	74.1
5.000	90.8	-64.4	70.3
5.000	90.8	-64.4	64.4
5.100	90.8	-74.1	65.5
5.200	90.8	-73.1	66.6
5.300	90.8	-72.0	67.7
5.400	90.8	-70.9	68.7
5.500	90.8	-69.8	69.8
5.600	90.8	-68.7	71.0
5.700	90.8	-67.6	72.0
5.800	90.8	-66.5	73.1
5.900	90.8	-65.4	74.2
6.000	90.8	-64.4	70.3
6.000	90.8	-64.4	64.3
6.100	90.8	-74.3	65.4
6.200	90.8	-73.2	66.5
6.300	90.8	-72.1	67.5
6.400	90.8	-71.0	68.6
6.500	90.8	-69.9	69.7
6.600	90.8	-68.8	70.9
6.700	90.8	-67.7	71.9
6.800	90.8	-66.6	73.0
6.900	90.8	-65.6	74.1
7.000	90.8	-64.5	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	-64.5	64.7
7.100	90.8	-73.9	65.8
7.200	90.8	-72.8	66.9
7.300	90.8	-71.7	67.9
7.400	90.8	-70.6	69.0
7.500	90.8	-69.6	70.1
7.600	90.8	-68.4	71.2
7.700	90.8	-67.3	72.3
7.800	90.8	-66.2	73.4
7.900	90.8	-65.2	74.5
8.000	90.8	-64.1	70.3
8.000	90.8	-64.1	63.3
8.100	90.8	-75.3	64.3
8.200	90.8	-74.2	65.4
8.300	90.8	-73.2	66.5
8.400	90.8	-72.1	67.6
8.500	90.8	-71.0	68.7
8.600	90.8	-69.8	69.8
8.700	90.8	-68.8	70.9
8.800	90.8	-67.7	72.0
8.900	90.8	-66.6	73.0
9.000	90.8	-65.5	70.2

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	34.92	2.10	HS 42.02	75.6
1.100	23.43	2.57	HS 51.35	92.4
1.200	12.04	3.22	HS 64.47	116.0
1.300	7.99	4.19	HS 83.71	150.7
1.400	5.89	5.67	HS 113.45	204.2
1.500	4.47	7.47	HS 89.44	161.0
1.600	3.68	10.88	HS 73.67	132.6
1.700	2.92	16.54	HS 58.32	105.0
1.800	2.36	27.89	HS 47.19	84.9
1.900	2.00	60.83	HS 39.95	71.9
2.000	1.75	134.42	HS 34.96	62.9
2.000	1.75	1.91	HS 34.96	62.9
2.100	25.79	2.22	HS 44.38	79.9
2.200	17.10	2.68	HS 53.69	96.6
2.300	10.98	3.28	HS 65.67	118.2
2.400	7.46	3.99	HS 79.90	143.8
2.500	5.19	5.15	HS 103.06	185.5
2.600	4.06	7.53	HS 81.12	146.0
2.700	3.33	10.69	HS 66.64	120.0
2.800	2.68	16.25	HS 53.52	96.3
2.900	2.22	18.59	HS 44.41	79.9
3.000	1.90	17.68	HS 38.10	68.6
3.000	1.90	1.91	HS 38.10	68.6
3.100	23.17	2.23	HS 44.57	80.2
3.200	16.42	2.69	HS 53.81	96.9
3.300	10.72	3.33	HS 66.66	120.0
3.400	7.55	4.06	HS 81.27	146.3
3.500	5.21	5.22	HS 104.21	187.6
3.600	4.06	7.58	HS 81.11	146.0
3.700	3.33	10.91	HS 66.53	119.8
3.800	2.68	16.82	HS 53.63	96.5
3.900	2.22	23.59	HS 44.43	80.0
4.000	1.90	22.63	HS 38.05	68.5

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	1.90	1.90	HS 38.05	68.5
4.100	23.58	2.22	HS 44.49	80.1
4.200	16.67	2.68	HS 53.71	96.7
4.300	10.84	3.33	HS 66.60	119.9
4.400	7.57	4.06	HS 81.21	146.2
4.500	5.22	5.21	HS 104.25	187.7
4.600	4.06	7.57	HS 81.28	146.3
4.700	3.33	10.78	HS 66.66	120.0
4.800	2.69	16.55	HS 53.75	96.7
4.900	2.23	23.33	HS 44.53	80.1
5.000	1.91	22.41	HS 38.13	68.6
5.000	1.91	1.91	HS 38.13	68.6
5.100	23.33	2.23	HS 44.53	80.1
5.200	16.55	2.69	HS 53.75	96.7
5.300	10.78	3.33	HS 66.66	120.0
5.400	7.57	4.06	HS 81.28	146.3
5.500	5.22	5.22	HS 104.33	187.8
5.600	4.06	7.57	HS 81.21	146.2
5.700	3.33	10.84	HS 66.60	119.9
5.800	2.68	16.67	HS 53.71	96.7
5.900	2.22	23.58	HS 44.49	80.1
6.000	1.90	22.64	HS 38.09	68.6
6.000	1.90	1.90	HS 38.05	68.5
6.100	23.59	2.22	HS 44.43	80.0
6.200	16.82	2.68	HS 53.63	96.5
6.300	10.91	3.33	HS 66.53	119.8
6.400	7.58	4.06	HS 81.11	146.0
6.500	5.22	5.20	HS 104.09	187.4
6.600	4.06	7.55	HS 81.27	146.3
6.700	3.33	10.72	HS 66.66	120.0
6.800	2.69	16.42	HS 53.81	96.9
6.900	2.23	23.17	HS 44.57	80.2
7.000	1.91	22.27	HS 38.16	68.7

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	1.91	1.90	HS 38.10	68.6
7.100	19.47	2.22	HS 44.41	79.9
7.200	16.25	2.68	HS 53.52	96.3
7.300	10.69	3.33	HS 66.64	120.0
7.400	7.53	4.06	HS 81.12	146.0
7.500	5.16	5.18	HS 103.17	185.7
7.600	3.99	7.46	HS 79.90	143.8
7.700	3.28	10.98	HS 65.67	118.2
7.800	2.68	17.10	HS 53.69	96.6
7.900	2.22	25.59	HS 44.38	79.9
8.000	1.89	24.15	HS 37.91	68.2
8.000	1.89	1.75	HS 34.96	62.9
8.100	60.83	2.00	HS 39.95	71.9
8.200	27.89	2.36	HS 47.19	84.9
8.300	16.54	2.92	HS 58.32	105.0
8.400	10.88	3.68	HS 73.67	132.6
8.500	7.47	4.47	HS 89.34	160.8
8.600	5.67	5.89	HS 113.45	204.2
8.700	4.19	7.99	HS 83.71	150.7
8.800	3.22	12.04	HS 64.47	116.0
8.900	2.57	23.43	HS 51.35	92.4
9.000	2.10	33.07	HS 42.02	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 67.6	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
1.100 76.6	173.6	173.6	-161.7	-161.7	158.7	158.7	-176.6	-1
1.200 83.0	177.9	177.9	-157.4	-157.4	152.3	152.3	-183.0	-1
1.300 86.8	180.4	180.4	-154.9	-154.9	148.5	148.5	-186.8	-1
1.400 88.0	181.2	181.2	-154.1	-154.1	147.3	147.3	-188.0	-1
1.500 86.7	180.3	180.3	-155.0	-155.0	148.6	148.6	-186.7	-1
1.600 82.6	177.6	177.6	-157.7	-157.7	152.7	152.7	-182.6	-1
1.700 75.9	173.1	173.1	-162.1	-162.1	159.4	159.4	-175.9	-1
1.800 66.6	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-1
1.900 54.8	159.1	159.1	-176.2	-176.2	180.5	180.5	-154.8	-1
2.000 40.4	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
2.000 40.4	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
2.100 52.8	157.7	157.7	-177.5	-177.5	182.5	182.5	-152.8	-1
2.200 62.6	164.3	164.3	-171.0	-171.0	172.6	172.6	-162.6	-1
2.300 69.9	169.1	169.1	-166.1	-166.1	165.4	165.4	-169.9	-1
2.400 74.6	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
2.500 76.7	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
2.600 76.0	173.2	173.2	-162.0	-162.0	159.2	159.2	-176.0	-1
2.700 72.8	171.1	171.1	-164.2	-164.2	162.5	162.5	-172.8	-1
2.800 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
2.900 58.6	161.6	161.6	-173.6	-173.6	176.6	176.6	-158.6	-1

3.000 47.7	154.3	154.3	-180.9	-180.9	187.6	187.6	-147.7	-1
3.000 47.7	154.3	154.3	-180.9	-180.9	187.6	187.6	-147.7	-1
3.100 59.2	162.0	162.0	-173.3	-173.3	176.1	176.1	-159.2	-1
3.200 68.1	167.9	167.9	-167.3	-167.3	167.2	167.2	-168.1	-1
3.300 74.4	172.2	172.2	-163.1	-163.1	160.9	160.9	-174.4	-1
3.400 78.2	174.7	174.7	-160.6	-160.6	157.1	157.1	-178.2	-1
3.500 79.4	175.4	175.4	-159.8	-159.8	155.9	155.9	-179.4	-1
3.600 77.8	174.4	174.4	-160.9	-160.9	157.5	157.5	-177.8	-1
3.700 73.6	171.6	171.6	-163.7	-163.7	161.7	161.7	-173.6	-1
3.800 66.9	167.1	167.1	-168.1	-168.1	168.4	168.4	-166.9	-1
3.900 57.6	160.9	160.9	-174.3	-174.3	177.7	177.7	-157.6	-1
4.000 45.7	153.0	153.0	-182.3	-182.3	189.6	189.6	-145.7	-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
4.000 45.7	153.0	153.0	-182.3	-182.3	189.6	189.6	-145.7	-1
4.100 57.4	160.8	160.8	-174.4	-174.4	177.8	177.8	-157.4	-1
4.200 66.6	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-1
4.300 73.2	171.4	171.4	-163.9	-163.9	162.1	162.1	-173.2	-1
4.400 77.2	174.0	174.0	-161.2	-161.2	158.0	158.0	-177.2	-1
4.500 78.7	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-1
4.600 77.4	174.1	174.1	-161.2	-161.2	157.9	157.9	-177.4	-1
4.700 73.5	171.5	171.5	-163.7	-163.7	161.8	161.8	-173.5	-1
4.800 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
4.900 58.0	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-1
5.000 46.4	153.5	153.5	-181.8	-181.8	188.9	188.9	-146.4	-1
5.000 46.4	153.5	153.5	-181.8	-181.8	188.9	188.9	-146.4	-1
5.100 58.0	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-1
5.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
5.300 73.5	171.5	171.5	-163.7	-163.7	161.8	161.8	-173.5	-1
5.400 77.4	174.1	174.1	-161.2	-161.2	157.9	157.9	-177.4	-1
5.500 78.7	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-1
5.600 77.2	174.0	174.0	-161.2	-161.2	158.0	158.0	-177.2	-1
5.700 73.2	171.4	171.4	-163.9	-163.9	162.1	162.1	-173.2	-1
5.800 66.6	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-1
5.900 57.4	160.8	160.8	-174.4	-174.4	177.8	177.8	-157.4	-1

6.000 45.7	153.0	153.0	-182.3	-182.3	189.6	189.6	-145.7	-1
6.000 45.7	153.0	153.0	-182.3	-182.3	189.6	189.6	-145.7	-1
6.100 57.6	160.9	160.9	-174.3	-174.3	177.7	177.7	-157.6	-1
6.200 66.9	167.1	167.1	-168.1	-168.1	168.4	168.4	-166.9	-1
6.300 73.6	171.6	171.6	-163.7	-163.7	161.7	161.7	-173.6	-1
6.400 77.8	174.4	174.4	-160.9	-160.9	157.5	157.5	-177.8	-1
6.500 79.4	175.4	175.4	-159.8	-159.8	155.9	155.9	-179.4	-1
6.600 78.2	174.7	174.7	-160.6	-160.6	157.1	157.1	-178.2	-1
6.700 74.4	172.2	172.2	-163.1	-163.1	160.9	160.9	-174.4	-1
6.800 68.1	167.9	167.9	-167.3	-167.3	167.2	167.2	-168.1	-1
6.900 59.2	162.0	162.0	-173.3	-173.3	176.1	176.1	-159.2	-1
7.000 47.7	154.3	154.3	-180.9	-180.9	187.6	187.6	-147.7	-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 47.7	154.3	154.3	-180.9	-180.9	187.6	187.6	-147.7	-1
7.100 58.6	161.6	161.6	-173.6	-173.6	176.6	176.6	-158.6	-1
7.200 67.0	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
7.300 72.8	171.1	171.1	-164.2	-164.2	162.5	162.5	-172.8	-1
7.400 76.0	173.2	173.2	-162.0	-162.0	159.2	159.2	-176.0	-1
7.500 76.7	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
7.600 74.6	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
7.700 69.9	169.1	169.1	-166.1	-166.1	165.4	165.4	-169.9	-1
7.800 62.6	164.3	164.3	-171.0	-171.0	172.6	172.6	-162.6	-1
7.900 52.8	157.7	157.7	-177.5	-177.5	182.5	182.5	-152.8	-1
8.000 40.4	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
8.000 40.4	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
8.100 54.8	159.1	159.1	-176.2	-176.2	180.5	180.5	-154.8	-1
8.200 66.6	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-1
8.300 75.9	173.1	173.1	-162.1	-162.1	159.4	159.4	-175.9	-1
8.400 82.6	177.6	177.6	-157.7	-157.7	152.7	152.7	-182.6	-1
8.500 86.7	180.3	180.3	-155.0	-155.0	148.6	148.6	-186.7	-1
8.600 88.0	181.2	181.2	-154.1	-154.1	147.3	147.3	-188.0	-1
8.700 86.8	180.4	180.4	-154.9	-154.9	148.5	148.5	-186.8	-1
8.800 83.0	177.9	177.9	-157.4	-157.4	152.3	152.3	-183.0	-1
8.900 76.6	173.6	173.6	-161.7	-161.7	158.7	158.7	-176.6	-1

9.000	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
67.6								

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	2.56	33.99	2.56	33.99	HS 51.14	92.1
1.200	1.52	17.61	1.52	17.61	HS 30.32	54.6
1.300	1.26	11.98	1.26	11.98	HS 25.19	45.3
1.400	1.25	9.05	1.25	9.05	HS 25.01	45.0
1.500	1.31	7.18	1.31	7.18	HS 26.17	47.1
1.600	1.48	5.86	1.48	5.86	HS 29.55	53.2
1.700	1.79	4.84	1.79	4.84	HS 35.87	64.6
1.800	3.04	4.01	3.04	4.01	HS 60.85	109.5
1.900	8.77	2.85	8.77	2.85	HS 57.00	102.6
2.000	14.00	1.39	14.00	1.39	HS 27.82	50.1
2.000	14.00	1.39	14.00	1.39	HS 27.82	50.1
2.100	8.53	2.26	8.53	2.26	HS 45.16	81.3
2.200	2.90	2.91	2.90	2.91	HS 58.08	104.5
2.300	1.97	3.66	1.97	3.66	HS 39.48	71.1
2.400	1.74	4.73	1.74	4.73	HS 34.70	62.5
2.500	1.79	6.44	1.79	6.44	HS 35.76	64.4
2.600	1.75	6.32	1.75	6.32	HS 35.02	63.0
2.700	1.99	4.97	1.99	4.97	HS 39.86	71.7
2.800	2.98	4.00	2.98	4.00	HS 59.64	107.4
2.900	7.32	2.91	7.32	2.91	HS 58.12	104.6
3.000	9.34	1.55	9.34	1.55	HS 30.96	55.7
3.000	9.34	1.55	9.34	1.55	HS 30.96	55.7
3.100	7.07	2.86	7.07	2.86	HS 57.26	103.1
3.200	2.95	3.99	2.95	3.99	HS 59.01	106.2
3.300	1.97	4.99	1.97	4.99	HS 39.44	71.0
3.400	1.73	6.40	1.73	6.40	HS 34.49	62.1
3.500	1.77	8.49	1.77	8.49	HS 35.48	63.9
3.600	1.73	6.44	1.73	6.44	HS 34.63	62.3
3.700	1.99	5.00	1.99	5.00	HS 39.72	71.5
3.800	2.98	3.99	2.98	3.99	HS 59.66	107.4
3.900	7.50	2.88	7.50	2.88	HS 57.66	103.8
4.000	12.28	1.53	12.28	1.53	HS 30.67	55.2

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		
4.000	12.28	1.53	12.28	1.53	HS 30.67	55.2
4.100	7.41	2.88	7.41	2.88	HS 57.54	103.6
4.200	2.99	3.98	2.99	3.98	HS 59.74	107.5
4.300	1.99	4.99	1.99	4.99	HS 39.81	71.7
4.400	1.74	6.42	1.74	6.42	HS 34.74	62.5
4.500	1.78	8.38	1.78	8.38	HS 35.66	64.2
4.600	1.74	6.43	1.74	6.43	HS 34.71	62.5
4.700	1.99	5.00	1.99	5.00	HS 39.75	71.6
4.800	2.98	4.00	2.98	4.00	HS 59.61	107.3
4.900	7.42	2.89	7.42	2.89	HS 57.80	104.0
5.000	12.04	1.54	12.04	1.54	HS 30.82	55.5
5.000	12.04	1.54	12.04	1.54	HS 30.82	55.5
5.100	7.30	2.89	7.30	2.89	HS 57.80	104.0
5.200	2.98	4.00	2.98	4.00	HS 59.61	107.3
5.300	1.99	5.00	1.99	5.00	HS 39.75	71.6
5.400	1.74	6.43	1.74	6.43	HS 34.71	62.5
5.500	1.78	8.38	1.78	8.38	HS 35.66	64.2
5.600	1.74	6.42	1.74	6.42	HS 34.74	62.5
5.700	1.99	4.99	1.99	4.99	HS 39.81	71.7
5.800	2.99	3.98	2.99	3.98	HS 59.74	107.5
5.900	7.53	2.88	7.53	2.88	HS 57.54	103.6
6.000	12.28	1.53	12.28	1.53	HS 30.68	55.2
6.000	12.28	1.53	12.28	1.53	HS 30.68	55.2
6.100	7.38	2.88	7.38	2.88	HS 57.66	103.8
6.200	2.98	3.99	2.98	3.99	HS 59.66	107.4
6.300	1.99	5.00	1.99	5.00	HS 39.72	71.5
6.400	1.73	6.44	1.73	6.44	HS 34.63	62.3
6.500	1.77	8.49	1.77	8.49	HS 35.48	63.9
6.600	1.73	6.40	1.73	6.40	HS 34.49	62.1
6.700	1.97	4.99	1.97	4.99	HS 39.44	71.0
6.800	2.95	3.99	2.95	3.99	HS 59.01	106.2
6.900	7.18	2.86	7.18	2.86	HS 57.26	103.1
7.000	9.34	1.55	9.34	1.55	HS 31.00	55.8

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	9.34	1.55	9.34	1.55	HS 31.00	55.8
7.100	7.20	2.91	7.20	2.91	HS 58.12	104.6
7.200	2.98	4.00	2.98	4.00	HS 59.64	107.4
7.300	1.99	4.97	1.99	4.97	HS 39.86	71.7
7.400	1.75	6.32	1.75	6.32	HS 35.02	63.0
7.500	1.79	6.44	1.79	6.44	HS 35.76	64.4
7.600	1.74	4.73	1.74	4.73	HS 34.70	62.5
7.700	1.97	3.66	1.97	3.66	HS 39.48	71.1
7.800	2.90	2.91	2.90	2.91	HS 58.08	104.5
7.900	8.69	2.26	8.69	2.26	HS 45.16	81.3
8.000	14.00	1.39	14.00	1.39	HS 27.83	50.1
8.000	14.00	1.39	14.00	1.39	HS 27.83	50.1
8.100	8.60	2.85	8.60	2.85	HS 56.98	102.6
8.200	3.04	4.01	3.04	4.01	HS 60.85	109.5
8.300	1.79	4.84	1.79	4.84	HS 35.87	64.6
8.400	1.48	5.86	1.48	5.86	HS 29.55	53.2
8.500	1.31	7.18	1.31	7.18	HS 26.17	47.1
8.600	1.25	9.05	1.25	9.05	HS 25.01	45.0
8.700	1.26	11.98	1.26	11.98	HS 25.19	45.3
8.800	1.52	17.61	1.52	17.61	HS 30.32	54.6
8.900	2.56	33.99	2.56	33.99	HS 51.14	92.1
9.000	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: 5C1T

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	1.2	13.7	50.81 R	0.00	39.08	0.00
1.200	2.1	23.5	83.90 R	0.00	64.54	0.00
1.300	2.6	29.3	100.64 R	0.00	77.41	0.00
1.400	2.8	31.2	105.90 R	0.00	81.46	0.00
1.500	2.6	29.1	103.89 L	0.00	79.92	0.00
1.600	2.0	22.8	95.59 L	0.00	73.53	0.00
1.700	1.1	12.6	76.85 L	0.00	59.12	0.00
1.800	-0.2	-1.5	52.97 R	0.00	40.74	0.00
1.900	-1.8	-19.6	-46.28 L	0.00	-35.60	0.00
2.000	-3.8	-41.7	-73.05 R	0.00	-56.19	0.00
2.000	-3.8	-41.7	-73.05 R	0.00	-56.19	0.00
2.100	-2.1	-22.7	-53.56 L	0.00	-41.20	0.00
2.200	-0.7	-7.6	46.63 R	0.00	35.87	0.00
2.300	0.3	3.5	69.73 R	0.00	53.64	0.00
2.400	0.9	10.7	81.12 R	0.00	62.40	0.00
2.500	1.2	13.9	85.16 L	0.00	65.51	0.00
2.600	1.1	12.9	82.25 L	0.00	63.27	0.00
2.700	0.7	8.0	71.38 R	0.00	54.91	0.00
2.800	-0.1	-0.9	53.40 R	0.00	41.08	0.00
2.900	-1.3	-13.7	-43.80 R	0.00	-33.69	0.00
3.000	-2.8	-30.5	-59.27 L	0.00	-45.60	0.00
3.000	-2.8	-30.5	-59.27 L	0.00	-45.60	0.00
3.100	-1.2	-12.9	-42.36 L	0.00	-32.58	0.00
3.200	0.0	0.7	54.76 L	0.00	42.12	0.00
3.300	0.9	10.4	73.11 L	0.00	56.24	0.00
3.400	1.4	16.1	85.31 R	0.00	65.62	0.00
3.500	1.6	18.0	88.32 R	0.00	67.94	0.00
3.600	1.4	15.5	84.00 L	0.00	64.62	0.00
3.700	0.8	9.2	72.21 R	0.00	55.54	0.00
3.800	-0.1	-1.1	53.38 R	0.00	41.06	0.00
3.900	-1.4	-15.4	-44.23 R	0.00	-34.02	0.00
4.000	-3.0	-33.5	-59.67 R	0.00	-45.90	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-33.5	-59.67 R	0.00
4.100	-1.4	-15.6	-45.02 L	0.00
4.200	-0.2	-1.5	52.93 L	0.00
4.300	0.7	8.6	71.90 L	0.00
4.400	1.3	14.7	83.54 R	0.00
4.500	1.5	16.9	87.09 L	0.00
4.600	1.3	14.9	83.76 L	0.00
4.700	0.8	9.0	71.79 R	0.00
4.800	-0.1	-0.9	53.63 R	0.00
4.900	-1.3	-14.8	-44.14 R	0.00
5.000	-2.9	-32.5	-59.25 R	0.00
5.000	-2.9	-32.5	-59.25 R	0.00
5.100	-1.3	-14.8	-44.14 L	0.00
5.200	-0.1	-0.9	53.63 L	0.00
5.300	0.8	9.0	71.79 L	0.00
5.400	1.3	14.9	83.76 R	0.00
5.500	1.5	16.9	87.09 R	0.00
5.600	1.3	14.7	83.53 L	0.00
5.700	0.7	8.6	71.90 R	0.00
5.800	-0.2	-1.5	52.93 R	0.00
5.900	-1.4	-15.6	-45.02 R	0.00
6.000	-3.0	-33.5	-59.67 L	0.00
6.000	-3.0	-33.5	-59.67 L	0.00
6.100	-1.4	-15.4	-44.23 L	0.00
6.200	-0.1	-1.1	53.38 L	0.00
6.300	0.8	9.2	72.21 L	0.00
6.400	1.4	15.5	84.00 R	0.00
6.500	1.6	18.0	88.32 L	0.00
6.600	1.4	16.1	85.31 L	0.00
6.700	0.9	10.4	73.11 R	0.00
6.800	0.0	0.7	54.76 R	0.00
6.900	-1.2	-12.9	-42.36 R	0.00
7.000	-2.8	-30.5	-59.26 R	0.00
7.000	-2.8	-30.5	-59.26 R	0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-2.8	-30.5	-59.26 R	0.00
7.100	-1.3	-13.7	-43.80 L	0.00
7.200	-0.1	-0.9	53.40 L	0.00
7.300	0.7	8.0	71.38 L	0.00
7.400	1.1	12.9	82.25 R	0.00
7.500	1.2	13.9	85.16 R	0.00
7.600	0.9	10.7	81.12 L	0.00
7.700	0.3	3.5	69.73 L	0.00
7.800	-0.7	-7.6	46.63 L	0.00
7.900	-2.1	-22.7	-53.56 R	0.00
8.000	-3.8	-41.7	-73.05 L	0.00
8.000	-3.8	-41.7	-73.05 L	0.00
8.100	-1.8	-19.6	-46.28 R	0.00
8.200	-0.2	-1.5	52.97 L	0.00
8.300	1.1	12.6	76.85 R	0.00
8.400	2.0	22.8	95.59 R	0.00
8.500	2.6	29.1	103.89 R	0.00
8.600	2.8	31.2	105.90 L	0.00
8.700	2.6	29.3	100.64 L	0.00
8.800	2.1	23.5	83.90 L	0.00
8.900	1.2	13.7	50.81 L	0.00
9.000	0.0	0.0	0.00 R	0.00

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1T

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	
. 6	1.000	300.6C	268.7	-268.7	-300.6C	300.6	268.7	-268.7	-300.
6	1.100	300.6C	268.7	-268.7	-300.6C	285.7	253.7	-283.6	-315.
2	1.200	300.6C	268.7	-268.7	-300.6C	275.1	243.1	-294.2	-326.
5	1.300	300.6C	268.7	-268.7	-300.6C	268.7	236.8	-300.6	-332.
6	1.400	300.6C	268.7	-268.7	-300.6C	266.7	234.7	-302.6	-334.
3	1.500	300.6C	268.7	-268.7	-300.6C	268.9	236.9	-300.4	-332.
5	1.600	300.6C	268.7	-268.7	-300.6C	275.8	243.8	-293.5	-325.
4	1.700	300.6C	268.7	-268.7	-300.6C	286.9	254.9	-282.4	-314.
9	1.800	300.6C	268.7	-268.7	-300.6C	302.3	270.4	-267.0	-298.
2	1.900	300.6C	268.7	-268.7	-300.6C	322.1	290.1	-247.2	-279.
2	2.000	300.6C	268.7	-268.7	-300.6C	346.1	314.1	-223.2	-255.
2	2.000	300.6C	268.7	-268.7	-300.6C	346.1	314.1	-223.2	-255.
9	2.100	300.6C	268.7	-268.7	-300.6C	325.4	293.4	-243.9	-275.
3	2.200	300.6C	268.7	-268.7	-300.6C	309.0	277.0	-260.3	-292.
4	2.300	300.6C	268.7	-268.7	-300.6C	296.9	264.9	-272.4	-304.
2	2.400	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
7	2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
6	2.600	300.6C	268.7	-268.7	-300.6C	286.6	254.7	-282.7	-314.
3	2.700	300.6C	268.7	-268.7	-300.6C	292.0	260.0	-277.3	-309.
6	2.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
6	2.900	300.6C	268.7	-268.7	-300.6C	315.6	283.6	-253.7	-285.

4	3.000	300.6C	268.7	-268.7	-300.6C	333.9	301.9	-235.4	-267.
4	3.000	300.6C	268.7	-268.7	-300.6C	333.9	301.9	-235.4	-267.
5	3.100	300.6C	268.7	-268.7	-300.6C	314.7	282.8	-254.5	-286.
4	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	289.3	257.4	-279.9	-311.
2	3.400	300.6C	268.7	-268.7	-300.6C	283.1	251.1	-286.2	-318.
2	3.500	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
5	3.600	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
6	3.700	300.6C	268.7	-268.7	-300.6C	290.7	258.7	-278.6	-310.
4	3.800	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
9	3.900	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
1	4.000	300.6C	268.7	-268.7	-300.6C	337.2	305.2	-232.1	-264.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1T

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	337.2	305.2	-232.1	-264.
4.100	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.
4.200	300.6C	268.7	-268.7	-300.6C	302.3	270.4	-267.0	-298.
4.300	300.6C	268.7	-268.7	-300.6C	291.3	259.4	-277.9	-309.
4.400	300.6C	268.7	-268.7	-300.6C	284.6	252.7	-284.7	-316.
4.500	300.6C	268.7	-268.7	-300.6C	282.2	250.2	-287.1	-319.
4.600	300.6C	268.7	-268.7	-300.6C	284.4	252.4	-284.9	-316.
4.700	300.6C	268.7	-268.7	-300.6C	290.9	258.9	-278.4	-310.
4.800	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
4.900	300.6C	268.7	-268.7	-300.6C	316.7	284.8	-252.6	-284.
5.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
5.000	300.6C	268.7	-268.7	-300.6C	336.1	304.1	-233.2	-265.
5.100	300.6C	268.7	-268.7	-300.6C	316.7	284.8	-252.6	-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	290.9	258.9	-278.4	-310.
5.400	300.6C	268.7	-268.7	-300.6C	284.4	252.4	-284.9	-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	284.6	252.7	-284.7	-316.
5.700	300.6C	268.7	-268.7	-300.6C	291.3	259.4	-277.9	-309.
5.800	300.6C	268.7	-268.7	-300.6C	302.3	270.4	-267.0	-298.
5.900	300.6C	268.7	-268.7	-300.6C	317.6	285.6	-251.7	-283.

1	6.000	300.6C	268.7	-268.7	-300.6C	337.2	305.2	-232.1	-264.
1	6.000	300.6C	268.7	-268.7	-300.6C	337.2	305.2	-232.1	-264.
9	6.100	300.6C	268.7	-268.7	-300.6C	317.4	285.4	-251.9	-283.
4	6.200	300.6C	268.7	-268.7	-300.6C	301.9	269.9	-267.4	-299.
6	6.300	300.6C	268.7	-268.7	-300.6C	290.7	258.7	-278.6	-310.
5	6.400	300.6C	268.7	-268.7	-300.6C	283.8	251.8	-285.5	-317.
2	6.500	300.6C	268.7	-268.7	-300.6C	281.1	249.1	-288.2	-320.
2	6.600	300.6C	268.7	-268.7	-300.6C	283.1	251.1	-286.2	-318.
9	6.700	300.6C	268.7	-268.7	-300.6C	289.3	257.4	-279.9	-311.
4	6.800	300.6C	268.7	-268.7	-300.6C	299.9	267.9	-269.4	-301.
5	6.900	300.6C	268.7	-268.7	-300.6C	314.7	282.8	-254.5	-286.
4	7.000	300.6C	268.7	-268.7	-300.6C	333.9	301.9	-235.4	-267.

MOMENT CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1T

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.
.									
4	7.000	300.6C	268.7	-268.7	-300.6C	333.9	301.9	-235.4	-267.
6	7.100	300.6C	268.7	-268.7	-300.6C	315.6	283.6	-253.7	-285.
6	7.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
3	7.300	300.6C	268.7	-268.7	-300.6C	292.0	260.0	-277.3	-309.
6	7.400	300.6C	268.7	-268.7	-300.6C	286.6	254.7	-282.7	-314.
7	7.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
2	7.600	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
4	7.700	300.6C	268.7	-268.7	-300.6C	296.9	264.9	-272.4	-304.
3	7.800	300.6C	268.7	-268.7	-300.6C	309.0	277.0	-260.3	-292.
9	7.900	300.6C	268.7	-268.7	-300.6C	325.4	293.4	-243.9	-275.
2	8.000	300.6C	268.7	-268.7	-300.6C	346.1	314.1	-223.2	-255.
2	8.000	300.6C	268.7	-268.7	-300.6C	346.1	314.1	-223.2	-255.
2	8.100	300.6C	268.7	-268.7	-300.6C	322.1	290.1	-247.2	-279.
9	8.200	300.6C	268.7	-268.7	-300.6C	302.3	270.4	-267.0	-298.
4	8.300	300.6C	268.7	-268.7	-300.6C	286.9	254.9	-282.4	-314.
5	8.400	300.6C	268.7	-268.7	-300.6C	275.8	243.8	-293.5	-325.
3	8.500	300.6C	268.7	-268.7	-300.6C	268.9	236.9	-300.4	-332.
6	8.600	300.6C	268.7	-268.7	-300.6C	266.7	234.7	-302.6	-334.
5	8.700	300.6C	268.7	-268.7	-300.6C	268.7	236.8	-300.6	-332.
2	8.800	300.6C	268.7	-268.7	-300.6C	275.1	243.1	-294.2	-326.
6	8.900	300.6C	268.7	-268.7	-300.6C	285.7	253.7	-283.6	-315.

9.000 300.6C 268.7 -268.7 -300.6C 300.6 268.7 -268.7 -300.

6

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1T

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	5.62	56.40	4.99	62.76	0.00	399.5
1.200	3.28	29.25	2.90	32.44	0.00	231.8
1.300	2.67	19.92	2.35	22.04	0.00	188.2
1.400	2.52	15.05	2.22	16.64	0.00	177.3
1.500	2.59	11.95	2.28	13.22	0.00	182.5
1.600	2.88	9.73	2.55	10.79	0.00	204.0
1.700	3.73	8.02	3.32	8.93	0.00	265.4
1.800	5.71	6.64	5.10	7.43	0.00	408.3
1.900	13.14	5.34	11.84	6.03	0.00	427.4
2.000	29.60	3.06	26.87	3.49	0.00	244.5
2.000	29.60	3.06	26.87	3.49	0.00	244.5
2.100	15.18	4.55	13.69	5.15	0.00	364.3
2.200	6.63	5.64	5.94	6.34	0.00	451.6
2.300	4.26	6.44	3.80	7.20	0.00	303.9
2.400	3.56	7.03	3.17	7.83	0.00	253.5
2.500	3.35	7.53	2.98	8.38	0.00	238.2
2.600	3.48	7.67	3.10	8.54	0.00	247.7
2.700	4.09	7.30	3.64	8.15	0.00	291.4
2.800	5.65	6.70	5.05	7.50	0.00	404.0
2.900	11.13	5.79	10.01	6.52	0.00	463.3
3.000	20.78	3.97	18.79	4.51	0.00	317.7
3.000	20.78	3.97	18.79	4.51	0.00	317.7
3.100	10.68	6.01	9.60	6.76	0.00	480.7
3.200	5.48	7.07	4.89	7.90	0.00	391.4
3.300	3.96	7.82	3.52	8.71	0.00	281.6
3.400	3.32	8.36	2.94	9.30	0.00	235.5
3.500	3.18	8.41	2.82	9.35	0.00	225.7
3.600	3.38	8.12	3.00	9.03	0.00	239.8
3.700	4.03	7.46	3.58	8.31	0.00	286.6
3.800	5.66	6.68	5.06	7.48	0.00	404.5
3.900	11.51	5.70	10.35	6.42	0.00	455.6
4.000	26.79	3.89	24.25	4.43	0.00	311.2

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1T

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	26.79	3.89	24.25	4.43	0.00	311.2
4.100	11.75	5.59	10.57	6.30	0.00	447.2
4.200	5.71	6.56	5.11	7.34	0.00	408.7
4.300	4.05	7.33	3.61	8.18	0.00	288.6
4.400	3.41	7.99	3.03	8.88	0.00	242.0
4.500	3.24	8.34	2.87	9.27	0.00	229.9
4.600	3.40	8.15	3.01	9.07	0.00	241.1
4.700	4.05	7.48	3.61	8.34	0.00	288.5
4.800	5.62	6.70	5.03	7.51	0.00	402.3
4.900	11.37	5.72	10.22	6.45	0.00	457.8
5.000	26.54	3.93	24.01	4.47	0.00	314.8
5.000	26.54	3.93	24.01	4.47	0.00	314.8
5.100	11.37	5.72	10.22	6.45	0.00	457.8
5.200	5.62	6.70	5.03	7.51	0.00	402.3
5.300	4.05	7.48	3.61	8.34	0.00	288.5
5.400	3.40	8.12	3.01	9.03	0.00	241.1
5.500	3.24	8.34	2.87	9.27	0.00	229.9
5.600	3.41	8.02	3.03	8.92	0.00	242.0
5.700	4.05	7.33	3.61	8.18	0.00	288.6
5.800	5.71	6.56	5.11	7.34	0.00	408.7
5.900	11.75	5.59	10.57	6.30	0.00	447.2
6.000	27.88	3.89	25.24	4.43	0.00	311.2
6.000	27.88	3.89	25.24	4.43	0.00	311.2
6.100	11.51	5.70	10.35	6.42	0.00	455.6
6.200	5.66	6.68	5.06	7.48	0.00	404.5
6.300	4.03	7.46	3.58	8.31	0.00	286.6
6.400	3.38	8.12	3.00	9.03	0.00	239.8
6.500	3.18	8.41	2.82	9.35	0.00	225.7
6.600	3.32	8.37	2.94	9.30	0.00	235.5
6.700	3.96	7.82	3.52	8.71	0.00	281.6
6.800	5.48	7.07	4.89	7.90	0.00	391.4
6.900	10.68	6.01	9.60	6.76	0.00	480.7
7.000	20.78	3.97	18.79	4.51	0.00	317.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1T

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	fiber -bend	bottom fiber +bend	fiber -bend		
7.000	20.78	3.97	18.79	4.51	0.00	317.8
7.100	11.13	5.79	10.01	6.52	0.00	463.3
7.200	5.65	6.70	5.05	7.50	0.00	404.0
7.300	4.09	7.30	3.64	8.15	0.00	291.4
7.400	3.48	7.67	3.10	8.54	0.00	247.7
7.500	3.35	7.53	2.98	8.38	0.00	238.2
7.600	3.56	7.03	3.17	7.83	0.00	253.5
7.700	4.26	6.44	3.80	7.20	0.00	303.9
7.800	6.63	5.64	5.94	6.34	0.00	451.6
7.900	15.18	4.55	13.69	5.15	0.00	364.3
8.000	29.60	3.06	26.87	3.49	0.00	244.5
8.000	29.60	3.06	26.87	3.49	0.00	244.5
8.100	13.14	5.34	11.84	6.03	0.00	427.3
8.200	5.71	6.64	5.10	7.43	0.00	408.3
8.300	3.73	8.02	3.32	8.93	0.00	265.4
8.400	2.88	9.73	2.55	10.79	0.00	204.0
8.500	2.59	11.95	2.28	13.22	0.00	182.5
8.600	2.52	15.04	2.22	16.64	0.00	177.3
8.700	2.67	19.92	2.35	22.04	0.00	188.2
8.800	3.28	29.25	2.90	32.44	0.00	231.8
8.900	5.62	56.40	4.99	62.76	0.00	399.5
9.000	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: 5C1T

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	0.6	6.6	25.07	0.00	19.28	0.00
1.100	0.4	4.9	21.24	0.00	16.34	0.00
1.200	0.3	3.3	17.54	0.00	13.49	0.00
1.300	0.1	1.6	14.03	0.00	10.79	0.00
1.400	0.0	-0.1	-11.06	0.00	-8.51	0.00
1.500	-0.2	-1.7	-13.29	0.00	-10.23	0.00
1.600	-0.3	-3.5	-15.87	0.00	-12.21	0.00
1.700	-0.5	-5.1	-18.62	0.00	-14.33	0.00
1.800	-0.6	-6.7	-21.45	0.00	-16.50	0.00
1.900	-0.8	-8.4	-24.44	0.00	-18.80	0.00
2.000	-0.9	-10.0	-27.13	0.00	-20.87	0.00
2.000	0.8	-10.0	26.51	0.00	20.39	0.00
2.100	0.6	7.1	23.58	0.00	18.14	0.00
2.200	0.5	5.5	20.19	0.00	15.53	0.00
2.300	0.3	3.8	16.67	0.00	12.82	0.00
2.400	0.2	2.2	13.97	0.00	10.75	0.00
2.500	0.0	0.5	11.58	0.00	8.91	0.00
2.600	-0.1	-1.2	-13.22	0.00	-10.17	0.00
2.700	-0.3	-2.9	-16.16	0.00	-12.43	0.00
2.800	-0.4	-4.5	-19.38	0.00	-14.91	0.00
2.900	-0.6	-6.2	-22.61	0.00	-17.39	0.00
3.000	-0.7	-7.8	-25.68	0.00	-19.76	0.00
3.000	0.7	8.2	25.95	0.00	19.96	0.00
3.100	0.6	6.5	22.99	0.00	17.69	0.00
3.200	0.4	4.9	19.81	0.00	15.24	0.00
3.300	0.3	3.2	16.57	0.00	12.75	0.00
3.400	0.1	1.6	13.57	0.00	10.44	0.00
3.500	0.0	-0.1	-11.30	0.00	-8.69	0.00
3.600	-0.2	-1.8	-13.83	0.00	-10.64	0.00
3.700	-0.3	-3.5	-16.79	0.00	-12.92	0.00
3.800	-0.5	-5.1	-20.08	0.00	-15.45	0.00
3.900	-0.6	-6.8	-23.31	0.00	-17.93	0.00
4.000	-0.8	-8.4	-26.30	0.00	-20.23	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

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	0.7	-8.4	26.09	0.00	20.07	0.00
4.100	0.6	6.7	23.11	0.00	17.77	0.00
4.200	0.5	5.0	19.89	0.00	15.30	0.00
4.300	0.3	3.4	16.62	0.00	12.78	0.00
4.400	0.2	1.8	13.65	0.00	10.50	0.00
4.500	0.0	0.1	11.15	0.00	8.58	0.00
4.600	-0.1	-1.7	-13.64	0.00	-10.49	0.00
4.700	-0.3	-3.3	-16.59	0.00	-12.76	0.00
4.800	-0.4	-5.0	-19.87	0.00	-15.28	0.00
4.900	-0.6	-6.6	-23.07	0.00	-17.74	0.00
5.000	-0.7	-8.2	-26.04	0.00	-20.03	0.00
5.000	0.7	8.2	26.04	0.00	20.03	0.00
5.100	0.6	6.6	23.07	0.00	17.74	0.00
5.200	0.4	5.0	19.87	0.00	15.28	0.00
5.300	0.3	3.3	16.59	0.00	12.76	0.00
5.400	0.1	1.7	13.64	0.00	10.49	0.00
5.500	0.0	0.1	-11.15	0.00	-8.58	0.00
5.600	-0.2	-1.8	-13.65	0.00	-10.50	0.00
5.700	-0.3	-3.4	-16.62	0.00	-12.78	0.00
5.800	-0.5	-5.0	-19.89	0.00	-15.30	0.00
5.900	-0.6	-6.7	-23.11	0.00	-17.77	0.00
6.000	-0.7	-8.3	-26.09	0.00	-20.07	0.00
6.000	0.8	8.4	26.30	0.00	20.23	0.00
6.100	0.6	6.8	23.31	0.00	17.93	0.00
6.200	0.5	5.1	20.08	0.00	15.45	0.00
6.300	0.3	3.5	16.79	0.00	12.92	0.00
6.400	0.2	1.8	13.83	0.00	10.64	0.00
6.500	0.0	0.2	11.30	0.00	8.69	0.00
6.600	-0.1	-1.6	-13.57	0.00	-10.44	0.00
6.700	-0.3	-3.2	-16.57	0.00	-12.75	0.00
6.800	-0.4	-4.9	-19.81	0.00	-15.24	0.00
6.900	-0.6	-6.5	-22.99	0.00	-17.69	0.00
7.000	-0.7	-8.2	-25.95	0.00	-19.96	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

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	0.7	-8.2	25.68	0.00	19.76	0.00
7.100	0.6	6.2	22.61	0.00	17.39	0.00
7.200	0.4	4.5	19.38	0.00	14.91	0.00
7.300	0.3	2.9	16.16	0.00	12.43	0.00
7.400	0.1	1.2	13.22	0.00	10.17	0.00
7.500	0.0	-0.5	-11.58	0.00	-8.91	0.00
7.600	-0.2	-2.2	-13.97	0.00	-10.75	0.00
7.700	-0.3	-3.8	-16.67	0.00	-12.82	0.00
7.800	-0.5	-5.5	-20.19	0.00	-15.53	0.00
7.900	-0.6	-7.1	-23.58	0.00	-18.14	0.00
8.000	-0.8	-8.8	-26.68	0.00	-20.52	0.00
8.000	0.9	10.0	27.13	0.00	20.87	0.00
8.100	0.8	8.4	24.44	0.00	18.80	0.00
8.200	0.6	6.7	21.45	0.00	16.50	0.00
8.300	0.5	5.1	18.62	0.00	14.33	0.00
8.400	0.3	3.5	15.87	0.00	12.21	0.00
8.500	0.2	1.8	13.29	0.00	10.23	0.00
8.600	0.0	0.1	-11.06	0.00	-8.51	0.00
8.700	-0.1	-1.6	-14.03	0.00	-10.79	0.00
8.800	-0.3	-3.3	-17.54	0.00	-13.49	0.00
8.900	-0.4	-4.9	-21.24	0.00	-16.34	0.00
9.000	-0.6	-6.6	-25.07	0.00	-19.28	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	151.3	-123.5	109.2
1.100	151.3	-121.7	111.0
1.200	151.3	-119.9	112.8
1.300	151.3	-118.1	114.6
1.400	151.3	-116.3	116.4
1.500	151.3	-114.6	118.2
1.600	151.3	-112.6	120.1
1.700	151.3	-110.8	121.9
1.800	151.3	-109.0	123.7
1.900	151.3	-107.2	125.5
2.000	151.3	-105.4	127.3
2.000	151.3	-105.4	106.8
2.100	151.3	-124.1	108.6
2.200	151.3	-122.3	110.4
2.300	151.3	-120.5	112.2
2.400	151.3	-118.7	114.0
2.500	151.3	-116.9	115.8
2.600	151.3	-115.0	117.7
2.700	151.3	-113.2	119.5
2.800	151.3	-111.4	121.3
2.900	151.3	-109.6	123.1
3.000	151.3	-107.8	117.1
3.000	151.3	-107.8	107.5
3.100	151.3	-123.5	109.3
3.200	151.3	-121.7	111.1
3.300	151.3	-119.9	112.9
3.400	151.3	-118.1	114.7
3.500	151.3	-116.3	116.4
3.600	151.3	-114.4	118.4
3.700	151.3	-112.6	120.2
3.800	151.3	-110.8	122.0
3.900	151.3	-109.0	123.8
4.000	151.3	-107.2	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
4.000	151.3	-107.2	107.3
4.100	151.3	-123.7	109.1
4.200	151.3	-121.9	110.9
4.300	151.3	-120.1	112.7
4.400	151.3	-118.3	114.5
4.500	151.3	-116.5	116.3
4.600	151.3	-114.6	118.2
4.700	151.3	-112.8	120.0
4.800	151.3	-111.0	121.8
4.900	151.3	-109.2	123.6
5.000	151.3	-107.4	117.1
5.000	151.3	-107.4	107.4
5.100	151.3	-123.6	109.2
5.200	151.3	-121.8	111.0
5.300	151.3	-120.0	112.8
5.400	151.3	-118.2	114.6
5.500	151.3	-116.4	116.4
5.600	151.3	-114.5	118.3
5.700	151.3	-112.7	120.1
5.800	151.3	-110.9	121.9
5.900	151.3	-109.1	123.7
6.000	151.3	-107.3	117.1
6.000	151.3	-107.3	107.2
6.100	151.3	-123.8	109.0
6.200	151.3	-122.0	110.8
6.300	151.3	-120.2	112.6
6.400	151.3	-118.4	114.4
6.500	151.3	-116.6	116.2
6.600	151.3	-114.7	118.1
6.700	151.3	-112.9	119.9
6.800	151.3	-111.1	121.7
6.900	151.3	-109.3	123.5
7.000	151.3	-107.5	117.1

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
7.000	151.3	-107.5	107.8
7.100	151.3	-123.1	109.6
7.200	151.3	-121.3	111.4
7.300	151.3	-119.5	113.2
7.400	151.3	-117.7	115.0
7.500	151.3	-115.9	116.8
7.600	151.3	-114.0	118.7
7.700	151.3	-112.2	120.5
7.800	151.3	-110.4	122.3
7.900	151.3	-108.6	124.1
8.000	151.3	-106.8	117.2
8.000	151.3	-106.8	105.4
8.100	151.3	-125.5	107.2
8.200	151.3	-123.7	109.0
8.300	151.3	-121.9	110.8
8.400	151.3	-120.1	112.6
8.500	151.3	-118.3	114.4
8.600	151.3	-116.4	116.3
8.700	151.3	-114.6	118.1
8.800	151.3	-112.8	119.9
8.900	151.3	-111.0	121.7
9.000	151.3	-109.2	117.0

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	58.74	4.36	0.00	348.6
1.100	34.28	5.23	0.00	418.1
1.200	22.15	6.43	0.00	514.6
1.300	14.43	8.17	0.00	653.7
1.400	10.52	10.77	0.00	841.6
1.500	8.62	14.02	0.00	689.5
1.600	7.09	19.74	0.00	567.6
1.700	5.95	29.81	0.00	476.0
1.800	5.08	52.98	0.00	406.7
1.900	4.39	143.23	0.00	351.1
2.000	3.89	260.32	0.00	310.9
2.000	3.89	4.03	0.00	310.9
2.100	41.37	4.61	0.00	368.5
2.200	26.85	5.47	0.00	437.6
2.300	18.87	6.73	0.00	538.5
2.400	14.03	8.16	0.00	652.7
2.500	10.88	10.00	0.00	799.7
2.600	8.70	12.45	0.00	696.2
2.700	7.01	16.18	0.00	560.4
2.800	5.75	22.19	0.00	459.9
2.900	4.85	32.85	0.00	387.9
3.000	4.20	36.83	0.00	335.9
3.000	4.20	4.14	0.00	331.3
3.100	38.81	4.75	0.00	380.2
3.200	25.70	5.61	0.00	448.6
3.300	18.02	6.81	0.00	544.8
3.400	13.32	8.45	0.00	675.8
3.500	10.29	10.49	0.00	823.4
3.600	8.27	13.55	0.00	661.6
3.700	6.70	18.28	0.00	536.3
3.800	5.52	26.13	0.00	441.4
3.900	4.68	40.27	0.00	374.1
4.000	4.08	48.95	0.00	326.1

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	4.08	4.11	0.00	326.1
4.100	40.68	4.72	0.00	377.7
4.200	26.52	5.57	0.00	446.0
4.300	18.41	6.78	0.00	542.4
4.400	13.56	8.39	0.00	670.9
4.500	10.48	10.43	0.00	834.3
4.600	8.40	13.48	0.00	672.0
4.700	6.80	18.24	0.00	543.6
4.800	5.59	26.15	0.00	446.9
4.900	4.73	40.01	0.00	378.6
5.000	4.12	46.74	0.00	329.8
5.000	4.12	4.12	0.00	329.8
5.100	40.01	4.73	0.00	378.6
5.200	26.15	5.59	0.00	446.9
5.300	18.24	6.80	0.00	543.6
5.400	13.48	8.40	0.00	672.0
5.500	10.44	10.47	0.00	835.3
5.600	8.39	13.56	0.00	670.9
5.700	6.78	18.41	0.00	542.4
5.800	5.57	26.52	0.00	446.0
5.900	4.72	40.68	0.00	377.7
6.000	4.11	47.01	0.00	329.0
6.000	4.11	4.08	0.00	326.1
6.100	40.27	4.68	0.00	374.1
6.200	26.13	5.52	0.00	441.4
6.300	18.28	6.70	0.00	536.3
6.400	13.55	8.27	0.00	661.6
6.500	10.51	10.28	0.00	822.5
6.600	8.45	13.32	0.00	675.8
6.700	6.81	18.02	0.00	544.8
6.800	5.61	25.70	0.00	448.6
6.900	4.75	38.80	0.00	380.2
7.000	4.14	46.97	0.00	331.3

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1T

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	4.14	4.20	0.00	331.3
7.100	32.85	4.85	0.00	387.9
7.200	22.19	5.75	0.00	459.9
7.300	16.18	7.01	0.00	560.4
7.400	12.45	8.70	0.00	696.2
7.500	10.01	10.87	0.00	800.6
7.600	8.16	14.03	0.00	652.7
7.700	6.73	18.87	0.00	538.5
7.800	5.47	26.85	0.00	437.6
7.900	4.61	41.37	0.00	368.5
8.000	4.01	47.94	0.00	320.4
8.000	4.01	3.89	0.00	310.9
8.100	143.23	4.39	0.00	351.1
8.200	52.98	5.08	0.00	406.7
8.300	29.81	5.95	0.00	476.0
8.400	19.74	7.09	0.00	567.6
8.500	14.03	8.61	0.00	688.7
8.600	10.52	10.77	0.00	841.9
8.700	8.17	14.43	0.00	653.7
8.800	6.43	22.15	0.00	514.6
8.900	5.23	34.28	0.00	418.1
9.000	4.36	999.00	0.00	348.6

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1T

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 79.4	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
1.100 94.3	279.4	279.4	-279.4	-279.4	264.5	264.5	-294.3	-2
1.200 05.0	279.4	279.4	-279.4	-279.4	253.8	253.8	-305.0	-3
1.300 11.3	279.4	279.4	-279.4	-279.4	247.5	247.5	-311.3	-3
1.400 13.3	279.4	279.4	-279.4	-279.4	245.5	245.5	-313.3	-3
1.500 11.1	279.4	279.4	-279.4	-279.4	247.7	247.7	-311.1	-3
1.600 04.3	279.4	279.4	-279.4	-279.4	254.5	254.5	-304.3	-3
1.700 93.1	279.4	279.4	-279.4	-279.4	265.7	265.7	-293.1	-2
1.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
1.900 58.0	279.4	279.4	-279.4	-279.4	300.8	300.8	-258.0	-2
2.000 34.0	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
2.000 34.0	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
2.100 54.7	279.4	279.4	-279.4	-279.4	304.1	304.1	-254.7	-2
2.200 71.1	279.4	279.4	-279.4	-279.4	287.7	287.7	-271.1	-2
2.300 83.2	279.4	279.4	-279.4	-279.4	275.6	275.6	-283.2	-2
2.400 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
2.500 94.5	279.4	279.4	-279.4	-279.4	264.3	264.3	-294.5	-2
2.600 93.4	279.4	279.4	-279.4	-279.4	265.4	265.4	-293.4	-2
2.700 88.0	279.4	279.4	-279.4	-279.4	270.8	270.8	-288.0	-2
2.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
2.900 64.4	279.4	279.4	-279.4	-279.4	294.4	294.4	-264.4	-2

3.000 46.2	279.4	279.4	-279.4	-279.4	312.6	312.6	-246.2	-2
3.000 46.2	279.4	279.4	-279.4	-279.4	312.6	312.6	-246.2	-2
3.100 65.3	279.4	279.4	-279.4	-279.4	293.5	293.5	-265.3	-2
3.200 80.1	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
3.300 90.7	279.4	279.4	-279.4	-279.4	268.1	268.1	-290.7	-2
3.400 96.9	279.4	279.4	-279.4	-279.4	261.9	261.9	-296.9	-2
3.500 98.9	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
3.600 96.3	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
3.700 89.4	279.4	279.4	-279.4	-279.4	269.4	269.4	-289.4	-2
3.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
3.900 62.6	279.4	279.4	-279.4	-279.4	296.2	296.2	-262.6	-2
4.000 42.8	279.4	279.4	-279.4	-279.4	316.0	316.0	-242.8	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1T

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 42.8	279.4	279.4	-279.4	-279.4	316.0	316.0	-242.8	-2
4.100 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
4.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
4.300 88.7	279.4	279.4	-279.4	-279.4	270.1	270.1	-288.7	-2
4.400 95.4	279.4	279.4	-279.4	-279.4	263.4	263.4	-295.4	-2
4.500 97.8	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
4.600 95.6	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
4.700 89.1	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
4.800 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
4.900 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
5.000 43.9	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
5.000 43.9	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
5.100 63.3	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-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 95.4	279.4	279.4	-279.4	-279.4	263.4	263.4	-295.4	-2
5.700 88.7	279.4	279.4	-279.4	-279.4	270.1	270.1	-288.7	-2
5.800 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
5.900 62.4	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1T

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 46.2	279.4	279.4	-279.4	-279.4	312.6	312.6	-246.2	-2
7.100 64.4	279.4	279.4	-279.4	-279.4	294.4	294.4	-264.4	-2
7.200 78.4	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
7.300 88.0	279.4	279.4	-279.4	-279.4	270.8	270.8	-288.0	-2
7.400 93.4	279.4	279.4	-279.4	-279.4	265.4	265.4	-293.4	-2
7.500 94.5	279.4	279.4	-279.4	-279.4	264.3	264.3	-294.5	-2
7.600 91.0	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
7.700 83.2	279.4	279.4	-279.4	-279.4	275.6	275.6	-283.2	-2
7.800 71.1	279.4	279.4	-279.4	-279.4	287.7	287.7	-271.1	-2
7.900 54.7	279.4	279.4	-279.4	-279.4	304.1	304.1	-254.7	-2
8.000 34.0	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
8.000 34.0	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
8.100 58.0	279.4	279.4	-279.4	-279.4	300.8	300.8	-258.0	-2
8.200 77.7	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
8.300 93.1	279.4	279.4	-279.4	-279.4	265.7	265.7	-293.1	-2
8.400 04.3	279.4	279.4	-279.4	-279.4	254.5	254.5	-304.3	-3
8.500 11.1	279.4	279.4	-279.4	-279.4	247.7	247.7	-311.1	-3
8.600 13.3	279.4	279.4	-279.4	-279.4	245.5	245.5	-313.3	-3
8.700 11.3	279.4	279.4	-279.4	-279.4	247.5	247.5	-311.3	-3
8.800 05.0	279.4	279.4	-279.4	-279.4	253.8	253.8	-305.0	-3
8.900 94.3	279.4	279.4	-279.4	-279.4	264.5	264.5	-294.3	-2

9.000	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
79.4								

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

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	58.53	5.21	58.53	0.00	416.5
1.200	3.03	30.32	3.03	30.32	0.00	242.0
1.300	2.46	20.64	2.46	20.64	0.00	196.7
1.400	2.32	15.58	2.32	15.58	0.00	185.4
1.500	2.38	12.37	2.38	12.37	0.00	190.7
1.600	2.66	10.09	2.66	10.09	0.00	213.0
1.700	3.46	8.33	3.46	8.33	0.00	276.6
1.800	5.31	6.90	5.31	6.90	0.00	424.6
1.900	12.28	5.57	12.28	5.57	0.00	445.9
2.000	27.79	3.20	27.79	3.20	0.00	256.2
2.000	27.79	3.20	27.79	3.20	0.00	256.2
2.100	14.19	4.76	14.19	4.76	0.00	380.4
2.200	6.17	5.88	6.17	5.88	0.00	470.2
2.300	3.95	6.70	3.95	6.70	0.00	316.2
2.400	3.30	7.30	3.30	7.30	0.00	264.1
2.500	3.10	7.81	3.10	7.81	0.00	248.3
2.600	3.23	7.96	3.23	7.96	0.00	258.1
2.700	3.79	7.59	3.79	7.59	0.00	303.5
2.800	5.25	6.97	5.25	6.97	0.00	420.1
2.900	10.39	6.04	10.39	6.04	0.00	483.0
3.000	19.46	4.15	19.46	4.15	0.00	332.2
3.000	19.46	4.15	19.46	4.15	0.00	332.2
3.100	9.96	6.26	9.96	6.26	0.00	501.0
3.200	5.09	7.35	5.09	7.35	0.00	407.1
3.300	3.67	8.11	3.67	8.11	0.00	293.4
3.400	3.07	8.68	3.07	8.68	0.00	245.6
3.500	2.94	8.73	2.94	8.73	0.00	235.4
3.600	3.12	8.43	3.12	8.43	0.00	250.0
3.700	3.73	7.74	3.73	7.74	0.00	298.5
3.800	5.26	6.95	5.26	6.95	0.00	420.6
3.900	10.74	5.94	10.74	5.94	0.00	475.0
4.000	25.10	4.07	25.10	4.07	0.00	325.6

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	25.10	4.07	25.10	4.07	0.00	325.6
4.100	10.97	5.83	10.97	5.83	0.00	466.3
4.200	5.31	6.82	5.31	6.82	0.00	424.9
4.300	3.76	7.62	3.76	7.62	0.00	300.5
4.400	3.15	8.29	3.15	8.29	0.00	252.3
4.500	3.00	8.65	3.00	8.65	0.00	239.7
4.600	3.14	8.46	3.14	8.46	0.00	251.4
4.700	3.76	7.76	3.76	7.76	0.00	300.5
4.800	5.23	6.97	5.23	6.97	0.00	418.3
4.900	10.61	5.97	10.61	5.97	0.00	477.3
5.000	24.86	4.12	24.86	4.12	0.00	329.3
5.000	24.86	4.12	24.86	4.12	0.00	329.3
5.100	10.61	5.97	10.61	5.97	0.00	477.3
5.200	5.23	6.97	5.23	6.97	0.00	418.3
5.300	3.76	7.76	3.76	7.76	0.00	300.5
5.400	3.14	8.43	3.14	8.43	0.00	251.4
5.500	3.00	8.65	3.00	8.65	0.00	239.7
5.600	3.15	8.32	3.15	8.32	0.00	252.3
5.700	3.76	7.62	3.76	7.62	0.00	300.5
5.800	5.31	6.82	5.31	6.82	0.00	424.9
5.900	10.97	5.83	10.97	5.83	0.00	466.3
6.000	26.13	4.07	26.13	4.07	0.00	325.6
6.000	26.13	4.07	26.13	4.07	0.00	325.6
6.100	10.73	5.94	10.73	5.94	0.00	475.0
6.200	5.26	6.95	5.26	6.95	0.00	420.6
6.300	3.73	7.74	3.73	7.74	0.00	298.5
6.400	3.12	8.43	3.12	8.43	0.00	250.0
6.500	2.94	8.73	2.94	8.73	0.00	235.4
6.600	3.07	8.68	3.07	8.68	0.00	245.6
6.700	3.67	8.11	3.67	8.11	0.00	293.4
6.800	5.09	7.35	5.09	7.35	0.00	407.1
6.900	9.96	6.26	9.96	6.26	0.00	501.0
7.000	19.46	4.15	19.46	4.15	0.00	332.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1T

Moment

Span	Rating Factor				Rating Value	Load Capacity (tons)
	top fiber +bend	top fiber -bend	bottom fiber +bend	bottom fiber -bend		
7.000	19.46	4.15	19.46	4.15	0.00	332.3
7.100	10.39	6.04	10.39	6.04	0.00	482.9
7.200	5.25	6.97	5.25	6.97	0.00	420.1
7.300	3.79	7.59	3.79	7.59	0.00	303.5
7.400	3.23	7.96	3.23	7.96	0.00	258.1
7.500	3.10	7.81	3.10	7.81	0.00	248.3
7.600	3.30	7.30	3.30	7.30	0.00	264.1
7.700	3.95	6.70	3.95	6.70	0.00	316.2
7.800	6.17	5.88	6.17	5.88	0.00	470.2
7.900	14.19	4.76	14.19	4.76	0.00	380.4
8.000	27.79	3.20	27.79	3.20	0.00	256.2
8.000	27.79	3.20	27.79	3.20	0.00	256.2
8.100	12.28	5.57	12.28	5.57	0.00	445.9
8.200	5.31	6.90	5.31	6.90	0.00	424.6
8.300	3.46	8.33	3.46	8.33	0.00	276.6
8.400	2.66	10.09	2.66	10.09	0.00	213.0
8.500	2.38	12.37	2.38	12.37	0.00	190.7
8.600	2.32	15.58	2.32	15.58	0.00	185.4
8.700	2.46	20.64	2.46	20.64	0.00	196.7
8.800	3.03	30.32	3.03	30.32	0.00	242.0
8.900	5.21	58.53	5.21	58.53	0.00	416.5
9.000	999.00	999.00	999.00	999.00	0.00	999.0