

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
			Left	Right		
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 DATA (ASD/LFD)

Structure I. D. HAM500

Member I. D. B01

[illegible]

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HAM500

B01

[illegible]

)

HAM500

B01

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus				
			Top	Bott.			+Bend Top	Bott.	-Bend Top	Bott.	
5	-1.000	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.
5	-1.000	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.
7	-1.000	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
7	-1.000	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
0	1.474	226.71	226.71	0.86	35.44	48790.0	16497.3	56771.8	1376.7	934.2	885.
7	-1.000	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
7	-1.000	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
7	-1.000	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
7	-1.000	228.81	228.81	1.17	35.13	51268.7	17145.4	43658.7	1459.6	944.7	944.
5	-1.000	228.81	228.81	1.17	35.13	51268.7	23209.5	43658.7	1459.6	1553.8	1086.
5	-1.000	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 Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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

REPORT

HAM500

B01

INV.

HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: INV.

Rating Live Load: HS20

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: INV.

Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B01

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
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 DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B02

[illegible]

SECTION STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. B02

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
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Structure I. D. HAM500

Member I. D. B02

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia +Bend	-Bend	Section Modulus			
			Top	Bott.			+Bend Top	Bott.	-Bend 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 Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type:	INV.
Rating Live Load:	HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: INV.

Rating Live Load: HS20

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: INV.
Rating Live Load: HS20

[illegible]

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: INV.
Rating Live Load: HS20

Moment

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: OPER.

Rating Live Load: 501

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B02

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	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 DATA (ASD/LFD)

Structure I. D. HAM500

Member I. D. B03

[illegible]

STRENGTH (ASD/LFD)

B03

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
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Structure I. D. HAM500

Member I. D. B03

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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: INV.

Rating Live Load: HS20

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: INV.
Rating Live Load: HS20

[illegible]

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: INV.

Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: OPER.

Rating Live Load: 5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B03

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
			Left	Right		
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 DATA (ASD/LFD)

Structure I. D. HAM500

Member I. D. B04

[illegible]

STRENGTH (ASD/LFD)

Structure I. D. HAM500

Member I. D. B04

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
1	1.00 / 1.00
2	1.00 / 1.00
3	1.00 / 1.00
4	1.00 / 1.00
5	1.00 / 1.00
6	1.00 / 1.00
7	1.00 / 1.00
8	1.00 / 1.00
9	1.00 / 1.00
10	1.00 / 1.00
11	1.00 / 1.00
12	1.00 / 1.00
13	1.00 / 1.00
14	1.00 / 1.00
15	1.00 / 1.00
16	1.00 / 1.00
17	1.00 / 1.00
18	1.00 / 1.00
19	1.00 / 1.00
20	1.00 / 1.00
21	1.00 / 1.00
22	1.00 / 1.00
23	1.00 / 1.00
24	1.00 / 1.00
25	1.00 / 1.00
26	1.00 / 1.00
27	1.00 / 1.00
28	1.00 / 1.00
29	1.00 / 1.00
30	1.00 / 1.00
31	1.00 / 1.00
32	1.00 / 1.00
33	1.00 / 1.00
34	1.00 / 1.00
35	1.00 / 1.00
36	1.00 / 1.00
37	1.00 / 1.00
38	1.00 / 1.00
39	1.00 / 1.00
40	1.00 / 1.00
41	1.00 / 1.00
42	1.00 / 1.00
43	1.00 / 1.00
44	1.00 / 1.00
45	1.00 / 1.00
46	1.00 / 1.00
47	1.00 / 1.00
48	1.00 / 1.00
49	1.00 / 1.00
50	1.00 / 1.00
51	1.00 / 1.00
52	1.00 / 1.00
53	1.00 / 1.00
54	1.00 / 1.00
55	1.00 / 1.00
56	1.00 / 1.00
57	1.00 / 1.00
58	1.00 / 1.00
59	1.00 / 1.00
60	1.00 / 1.00
61	1.00 / 1.00
62	1.00 / 1.00
63	1.00 / 1.00
64	1.00 / 1.00
65	1.00 / 1.00
66	1.00 / 1.00
67	1.00 / 1.00
68	1.00 / 1.00
69	1.00 / 1.00
70	1.00 / 1.00
71	1.00 / 1.00
72	1.00 / 1.00
73	1.00 / 1.00
74	1.00 / 1.00
75	1.00 / 1.00
76	1.00 / 1.00
77	1.00 / 1.00
78	1.00 / 1.00
79	1.00 / 1.00
80	1.00 / 1.00
81	1.00 / 1.00
82	1.00 / 1.00
83	1.00 / 1.00
84	1.00 / 1.00
85	1.00 / 1.00
86	1.00 / 1.00
87	1.00 / 1.00
88	1.00 / 1.00
89	1.00 / 1.00
90	1.00 / 1.00
91	1.00 / 1.00
92	1.00 / 1.00
93	1.00 / 1.00
94	1.00 / 1.00
95	1.00 / 1.00
96	1.00 / 1.00
97	1.00 / 1.00
98	1.00 / 1.00
99	1.00 / 1.00
100	1.00 / 1.00

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 Top	Bott.	-Bend 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 Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: INV.

Rating Live Load: HS20

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: OPER.

Rating Live Load: 5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B04

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
			Left	Right		
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 DATA (ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B05

[illegible]

STRENGTH (ASD/LFD)

B05

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
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Structure I. D. HAM500

Member I. D. B05

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend Top	Bott.	-Bend 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 7	228.21	228.21	1.08	35.22	50526.9	16954.0	46781.6	1434.6	941.6	926.
-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. B05

Span	Section Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: INV.
Rating Live Load: HS20

[illegible]

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: INV.

Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: OPER.

Rating Live Load: 5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B05

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
			Left	Right		
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.

(ASD/LFD)

[illegible]

(ASD/LFD)

HAM500

B06

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
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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 Top	+Bend Bott.	-Bend Top	-Bend 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 Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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	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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: INV.

Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

[illegible]

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

B06

Rating Type:

OPER.

Rating Live Load:

5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B06

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
			Left	Right		
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.

(ASD/LFD)

[illegible]

(ASD/LFD)

HAM500

B07

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
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Structure I. D. HAM500

Member I. D. B07

Span	Section Gross	Area Net	Neutral Axis		Moment +Bend	of Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend Top	-Bend Bott.	+Bend Top	-Bend 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 Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type: INV.
Rating Live Load: HS20

[illegible]

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type: INV.
Rating Live Load: HS20

[illegible]

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

B07

Rating Type:

OPER.

Rating Live Load:

5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B07

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)			Concentrated Load (kips)
			Left	Right	Length	
1	W	2.750	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.

(ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B08

[illegible]

(ASD/LFD)

HAM500

B08

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
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Structure I. D. HAM500

Member I. D. B08

Span	Section Gross	Area Net	Neutral Axis		Moment +Bend	of Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend Top	Bott.	-Bend Top	Bott.
.										
-1.0005	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.0005	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.0008	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.0008	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
1.4741	232.91	232.91	1.38	35.12	52710.6	18131.9	38158.0	1500.9	1013.8	974.
-1.0008	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.0008	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.0008	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.0008	234.51	234.51	1.63	34.87	54663.2	18647.9	33608.1	1567.5	1021.8	1021.
-1.0005	234.51	234.51	1.63	34.87	54663.2	24816.4	33608.1	1567.5	1630.1	1166.
-1.0005	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 Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type: INV.

Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B08

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

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	Span 2	Span 3	Span 4	Span 5
	38.833	0.000	0.000	0.000	0.000

Range Length -- Non-Composite:

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

Range Length -- Composite:

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

Superimposed Dead Load:

Span No.	Load Type	Dist. from Left Supp.	Distributed Load (lbs/ft)		Length	Concentrated Load (kips)
			Left	Right		
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.

(ASD/LFD)

Structure I. D.

HAM500

Member I. D.

B09

[illegible]

(ASD/LFD)

HAM500

B09

[illegible]

SECTION	STRENGTH (N=N) (ASD/LFD)
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Structure I. D. HAM500

Member I. D. B09

Span	Section Gross	Area Net	Neutral Axis		Moment of +Bend	Inertia -Bend	Section Modulus			
			Top	Bott.			+Bend Top	Bott.	-Bend 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 Gross	Area Net	Neutral Axis		Moment of Inertia		Section Modulus			
			Top	Bott.	+Bend	-Bend	+Bend Top	Bott.	-Bend 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

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type: INV.
Rating Live Load: HS20

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type: INV.
Rating Live Load: HS20

[illegible]

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type: INV.
Rating Live Load: HS20

[illegible]

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type: INV.

Rating Live Load: HS20

[illegible]

MOMENT REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

SHEAR REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type: OPER.
Rating Live Load: 5C1

[illegible]

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. B09

Rating Type:	OPER.
Rating Live Load:	5C1

[illegible]

[illegible]

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 0.0

Second Live Load Dist. Factor 0.0

Comments:

Member I. D. S01 Symmetry:

Span Length:	Span 1 23.917	Span 2 23.917	Span 3 23.917	Span 4 23.917	Span 5 23.917
	Span 6 23.917	Span 7 23.917	Span 8 23.917	Span 9 0.000	Span 10 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) Left	Distributed Load (lbs/ft) Right	Length	Concentrated Load (kips)
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 (in.)	Web Depth (in.)	Web Thk. (in.)	Effective Width (in.)	Slab Thk. (in.)	Fy (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 (in.)	Web Depth (in.)	Web Thk. (in.)	Effective Width (in.)	Slab Thk. (in.)	Fy (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 Top	Bott.	-Bend 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 Top	Axis Bott.	Moment of +Bend	Inertia -Bend	Section Modulus			
							+Bend Top	Bott.	-Bend 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 Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R 0.00	0.00 0.00
1.100	1.2	15.2	0.00 R 0.00	0.00 0.00
1.200	2.1	26.0	0.00 R 0.00	0.00 0.00
1.300	2.6	32.4	0.00 R 0.00	0.00 0.00
1.400	2.8	34.4	0.00 R 0.00	0.00 0.00
1.500	2.6	32.1	0.00 R 0.00	0.00 0.00
1.600	2.0	25.2	0.00 R 0.00	0.00 0.00
1.700	1.1	14.0	0.00 R 0.00	0.00 0.00
1.800	-0.2	-1.7	0.00 R 0.00	0.00 0.00
1.900	-1.8	-21.7	0.00 R 0.00	0.00 0.00
2.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
2.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
2.100	-2.1	-25.0	0.00 R 0.00	0.00 0.00
2.200	-0.7	-8.4	0.00 R 0.00	0.00 0.00
2.300	0.3	3.9	0.00 R 0.00	0.00 0.00
2.400	0.9	11.7	0.00 R 0.00	0.00 0.00
2.500	1.2	15.2	0.00 R 0.00	0.00 0.00
2.600	1.1	14.2	0.00 R 0.00	0.00 0.00
2.700	0.7	8.8	0.00 R 0.00	0.00 0.00
2.800	-0.1	-1.0	0.00 R 0.00	0.00 0.00
2.900	-1.3	-15.1	0.00 R 0.00	0.00 0.00
3.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00
3.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00
3.100	-1.2	-14.2	0.00 R 0.00	0.00 0.00
3.200	0.0	0.8	0.00 R 0.00	0.00 0.00
3.300	0.9	11.5	0.00 R 0.00	0.00 0.00
3.400	1.4	17.8	0.00 R 0.00	0.00 0.00
3.500	1.6	19.7	0.00 R 0.00	0.00 0.00
3.600	1.4	17.1	0.00 R 0.00	0.00 0.00
3.700	0.8	10.1	0.00 R 0.00	0.00 0.00
3.800	-0.1	-1.2	0.00 R 0.00	0.00 0.00
3.900	-1.4	-16.9	0.00 R 0.00	0.00 0.00
4.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00

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 Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00
4.100	-1.4	-17.2	0.00 R 0.00	0.00 0.00
4.200	-0.2	-1.7	0.00 R 0.00	0.00 0.00
4.300	0.7	9.5	0.00 R 0.00	0.00 0.00
4.400	1.3	16.2	0.00 R 0.00	0.00 0.00
4.500	1.5	18.6	0.00 R 0.00	0.00 0.00
4.600	1.3	16.5	0.00 R 0.00	0.00 0.00
4.700	0.8	9.9	0.00 R 0.00	0.00 0.00
4.800	-0.1	-1.0	0.00 R 0.00	0.00 0.00
4.900	-1.3	-16.3	0.00 R 0.00	0.00 0.00
5.000	-2.9	-35.9	0.00 R 0.00	0.00 0.00
5.000	-2.9	-35.9	0.00 R 0.00	0.00 0.00
5.100	-1.3	-16.3	0.00 R 0.00	0.00 0.00
5.200	-0.1	-1.0	0.00 R 0.00	0.00 0.00
5.300	0.8	9.9	0.00 R 0.00	0.00 0.00
5.400	1.3	16.5	0.00 R 0.00	0.00 0.00
5.500	1.5	18.6	0.00 R 0.00	0.00 0.00
5.600	1.3	16.2	0.00 R 0.00	0.00 0.00
5.700	0.7	9.5	0.00 R 0.00	0.00 0.00
5.800	-0.2	-1.7	0.00 R 0.00	0.00 0.00
5.900	-1.4	-17.2	0.00 R 0.00	0.00 0.00
6.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00
6.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00
6.100	-1.4	-16.9	0.00 R 0.00	0.00 0.00
6.200	-0.1	-1.2	0.00 R 0.00	0.00 0.00
6.300	0.8	10.1	0.00 R 0.00	0.00 0.00
6.400	1.4	17.1	0.00 R 0.00	0.00 0.00
6.500	1.6	19.7	0.00 R 0.00	0.00 0.00
6.600	1.4	17.8	0.00 R 0.00	0.00 0.00
6.700	0.9	11.5	0.00 R 0.00	0.00 0.00
6.800	0.0	0.8	0.00 R 0.00	0.00 0.00
6.900	-1.2	-14.2	0.00 R 0.00	0.00 0.00
7.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00

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 Lane	Live Load w/o impact Truck Lane
7.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00
7.100	-1.3	-15.1	0.00 R 0.00	0.00 0.00
7.200	-0.1	-1.0	0.00 R 0.00	0.00 0.00
7.300	0.7	8.8	0.00 R 0.00	0.00 0.00
7.400	1.1	14.2	0.00 R 0.00	0.00 0.00
7.500	1.2	15.2	0.00 R 0.00	0.00 0.00
7.600	0.9	11.7	0.00 R 0.00	0.00 0.00
7.700	0.3	3.9	0.00 R 0.00	0.00 0.00
7.800	-0.7	-8.4	0.00 R 0.00	0.00 0.00
7.900	-2.1	-25.0	0.00 R 0.00	0.00 0.00
8.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
8.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
8.100	-1.8	-21.7	0.00 R 0.00	0.00 0.00
8.200	-0.2	-1.7	0.00 R 0.00	0.00 0.00
8.300	1.1	14.0	0.00 R 0.00	0.00 0.00
8.400	2.0	25.2	0.00 R 0.00	0.00 0.00
8.500	2.6	32.1	0.00 R 0.00	0.00 0.00
8.600	2.8	34.4	0.00 R 0.00	0.00 0.00
8.700	2.6	32.4	0.00 R 0.00	0.00 0.00
8.800	2.1	26.0	0.00 R 0.00	0.00 0.00
8.900	1.2	15.2	0.00 R 0.00	0.00 0.00
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 .	Positive		Moment Capacity Bending		Negative		Bending		Available Capacity for LL+I			
	Top		Bott.		Top		Bott.		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.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
		Bott.	Top		Top	Bott.	Top	Bott	
3 2 3 5 9 4 0 8 7 8 1	4.000	180.4C	161.2	-161.2	-180.4C	204.4	185.2	-137.1	-156.
	4.100	180.4C	161.2	-161.2	-180.4C	191.5	172.3	-150.0	-169.
	4.200	180.4C	161.2	-161.2	-180.4C	181.5	162.3	-160.1	-179.
	4.300	180.4C	161.2	-161.2	-180.4C	174.3	155.1	-167.3	-186.
	4.400	180.4C	161.2	-161.2	-180.4C	169.9	150.7	-171.7	-190.
	4.500	180.4C	161.2	-161.2	-180.4C	168.3	149.2	-173.2	-192.
	4.600	180.4C	161.2	-161.2	-180.4C	169.7	150.5	-171.8	-191.
	4.700	180.4C	161.2	-161.2	-180.4C	174.0	154.8	-167.6	-186.
	4.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.5	-179.
	4.900	180.4C	161.2	-161.2	-180.4C	191.0	171.8	-150.6	-169.
1 1 8 7 8 0 4 9 5 3 2	5.000	180.4C	161.2	-161.2	-180.4C	203.7	184.5	-137.9	-157.
	5.000	180.4C	161.2	-161.2	-180.4C	203.7	184.5	-137.9	-157.
	5.100	180.4C	161.2	-161.2	-180.4C	191.0	171.8	-150.6	-169.
	5.200	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.5	-179.
	5.300	180.4C	161.2	-161.2	-180.4C	174.0	154.8	-167.6	-186.
	5.400	180.4C	161.2	-161.2	-180.4C	169.7	150.5	-171.8	-191.
	5.500	180.4C	161.2	-161.2	-180.4C	168.3	149.2	-173.2	-192.
	5.600	180.4C	161.2	-161.2	-180.4C	169.9	150.7	-171.7	-190.
	5.700	180.4C	161.2	-161.2	-180.4C	174.3	155.1	-167.3	-186.
	5.800	180.4C	161.2	-161.2	-180.4C	181.5	162.3	-160.1	-179.
5.900	180.4C	161.2	-161.2	-180.4C	191.5	172.3	-150.0	-169.	

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.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
			Top		Bott.		Top	Bott.	
5571620915	7.000	180.4C	161.2	-161.2	-180.4C	202.2	183.1	-139.3	-158.
	7.100	180.4C	161.2	-161.2	-180.4C	190.2	171.0	-151.4	-170.
	7.200	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.5	-179.
	7.300	180.4C	161.2	-161.2	-180.4C	174.7	155.5	-166.9	-186.
	7.400	180.4C	161.2	-161.2	-180.4C	171.2	152.0	-170.4	-189.
	7.500	180.4C	161.2	-161.2	-180.4C	170.5	151.3	-171.0	-190.
	7.600	180.4C	161.2	-161.2	-180.4C	172.8	153.6	-168.8	-188.
	7.700	180.4C	161.2	-161.2	-180.4C	177.9	158.7	-163.7	-182.
	7.800	180.4C	161.2	-161.2	-180.4C	185.8	166.7	-155.7	-174.
	7.900	180.4C	161.2	-161.2	-180.4C	196.6	177.4	-144.9	-164.
8.000	180.4C	161.2	-161.2	-180.4C	210.3	191.1	-131.3	-150.	
533472742742	8.000	180.4C	161.2	-161.2	-180.4C	210.3	191.1	-131.3	-150.
	8.100	180.4C	161.2	-161.2	-180.4C	194.4	175.3	-147.1	-166.
	8.200	180.4C	161.2	-161.2	-180.4C	181.5	162.3	-160.1	-179.
	8.300	180.4C	161.2	-161.2	-180.4C	171.3	152.2	-170.2	-189.
	8.400	180.4C	161.2	-161.2	-180.4C	164.1	144.9	-177.5	-196.
	8.500	180.4C	161.2	-161.2	-180.4C	159.6	140.4	-182.0	-201.
	8.600	180.4C	161.2	-161.2	-180.4C	158.1	138.9	-183.5	-202.
	8.700	180.4C	161.2	-161.2	-180.4C	159.4	140.2	-182.2	-201.
	8.800	180.4C	161.2	-161.2	-180.4C	163.6	144.4	-178.0	-197.
	8.900	180.4C	161.2	-161.2	-180.4C	170.5	151.4	-171.0	-190.

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	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend	Rating Value	Load Capacity (tons)
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Moment

Span	top +bend	Rating fiber -bend	Factor	bottom +bend	fiber -bend	Rating Value	Load Capacity (tons)
4.000	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.100	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.200	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.300	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.400	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.500	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.600	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.700	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.800	999.00	999.00		999.00	999.00	HS 999.00	999.0
4.900	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.000	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.000	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.100	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.200	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.300	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.400	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.500	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.600	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.700	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.800	999.00	999.00		999.00	999.00	HS 999.00	999.0
5.900	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.000	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.000	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.100	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.200	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.300	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.400	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.500	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.600	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.700	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.800	999.00	999.00		999.00	999.00	HS 999.00	999.0
6.900	999.00	999.00		999.00	999.00	HS 999.00	999.0
7.000	999.00	999.00		999.00	999.00	HS 999.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

INV.

Rating Live Load:

HS20

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
7.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
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	0.00	0.00	0.00	0.00
1.100	0.4	5.4	0.00	0.00	0.00	0.00
1.200	0.3	3.6	0.00	0.00	0.00	0.00
1.300	0.1	1.8	0.00	0.00	0.00	0.00
1.400	0.0	-0.1	0.00	0.00	0.00	0.00
1.500	-0.2	-1.9	0.00	0.00	0.00	0.00
1.600	-0.3	-3.8	0.00	0.00	0.00	0.00
1.700	-0.5	-5.6	0.00	0.00	0.00	0.00
1.800	-0.6	-7.4	0.00	0.00	0.00	0.00
1.900	-0.8	-9.3	0.00	0.00	0.00	0.00
2.000	-0.9	-11.1	0.00	0.00	0.00	0.00
2.000	0.8	-11.1	0.00	0.00	0.00	0.00
2.100	0.6	7.9	0.00	0.00	0.00	0.00
2.200	0.5	6.0	0.00	0.00	0.00	0.00
2.300	0.3	4.2	0.00	0.00	0.00	0.00
2.400	0.2	2.4	0.00	0.00	0.00	0.00
2.500	0.0	0.6	0.00	0.00	0.00	0.00
2.600	-0.1	-1.4	0.00	0.00	0.00	0.00
2.700	-0.3	-3.2	0.00	0.00	0.00	0.00
2.800	-0.4	-5.0	0.00	0.00	0.00	0.00
2.900	-0.6	-6.8	0.00	0.00	0.00	0.00
3.000	-0.7	-8.7	0.00	0.00	0.00	0.00
3.000	0.7	9.0	0.00	0.00	0.00	0.00
3.100	0.6	7.2	0.00	0.00	0.00	0.00
3.200	0.4	5.4	0.00	0.00	0.00	0.00
3.300	0.3	3.5	0.00	0.00	0.00	0.00
3.400	0.1	1.7	0.00	0.00	0.00	0.00
3.500	0.0	-0.1	0.00	0.00	0.00	0.00
3.600	-0.2	-2.0	0.00	0.00	0.00	0.00
3.700	-0.3	-3.8	0.00	0.00	0.00	0.00
3.800	-0.5	-5.7	0.00	0.00	0.00	0.00
3.900	-0.6	-7.5	0.00	0.00	0.00	0.00
4.000	-0.8	-9.3	0.00	0.00	0.00	0.00

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 Truck		Live Load w/o impact Truck	
4.000	0.7	-9.3	0.00	0.00	0.00	0.00
4.100	0.6	7.4	0.00	0.00	0.00	0.00
4.200	0.5	5.6	0.00	0.00	0.00	0.00
4.300	0.3	3.7	0.00	0.00	0.00	0.00
4.400	0.2	1.9	0.00	0.00	0.00	0.00
4.500	0.0	0.1	0.00	0.00	0.00	0.00
4.600	-0.1	-1.8	0.00	0.00	0.00	0.00
4.700	-0.3	-3.6	0.00	0.00	0.00	0.00
4.800	-0.4	-5.5	0.00	0.00	0.00	0.00
4.900	-0.6	-7.3	0.00	0.00	0.00	0.00
5.000	-0.7	-9.1	0.00	0.00	0.00	0.00
5.000	0.7	9.1	0.00	0.00	0.00	0.00
5.100	0.6	7.3	0.00	0.00	0.00	0.00
5.200	0.4	5.5	0.00	0.00	0.00	0.00
5.300	0.3	3.6	0.00	0.00	0.00	0.00
5.400	0.1	1.8	0.00	0.00	0.00	0.00
5.500	0.0	-0.1	0.00	0.00	0.00	0.00
5.600	-0.2	-1.9	0.00	0.00	0.00	0.00
5.700	-0.3	-3.7	0.00	0.00	0.00	0.00
5.800	-0.5	-5.6	0.00	0.00	0.00	0.00
5.900	-0.6	-7.4	0.00	0.00	0.00	0.00
6.000	-0.7	-9.2	0.00	0.00	0.00	0.00
6.000	0.8	9.3	0.00	0.00	0.00	0.00
6.100	0.6	7.5	0.00	0.00	0.00	0.00
6.200	0.5	5.7	0.00	0.00	0.00	0.00
6.300	0.3	3.8	0.00	0.00	0.00	0.00
6.400	0.2	2.0	0.00	0.00	0.00	0.00
6.500	0.0	0.2	0.00	0.00	0.00	0.00
6.600	-0.1	-1.7	0.00	0.00	0.00	0.00
6.700	-0.3	-3.5	0.00	0.00	0.00	0.00
6.800	-0.4	-5.4	0.00	0.00	0.00	0.00
6.900	-0.6	-7.2	0.00	0.00	0.00	0.00
7.000	-0.7	-9.0	0.00	0.00	0.00	0.00

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 Truck		Live Load w/o impact Truck	
7.000	0.7	-9.0	0.00	0.00	0.00	0.00
7.100	0.6	6.8	0.00	0.00	0.00	0.00
7.200	0.4	5.0	0.00	0.00	0.00	0.00
7.300	0.3	3.2	0.00	0.00	0.00	0.00
7.400	0.1	1.4	0.00	0.00	0.00	0.00
7.500	0.0	-0.5	0.00	0.00	0.00	0.00
7.600	-0.2	-2.4	0.00	0.00	0.00	0.00
7.700	-0.3	-4.2	0.00	0.00	0.00	0.00
7.800	-0.5	-6.0	0.00	0.00	0.00	0.00
7.900	-0.6	-7.9	0.00	0.00	0.00	0.00
8.000	-0.8	-9.7	0.00	0.00	0.00	0.00
8.000	0.9	11.1	0.00	0.00	0.00	0.00
8.100	0.8	9.3	0.00	0.00	0.00	0.00
8.200	0.6	7.4	0.00	0.00	0.00	0.00
8.300	0.5	5.6	0.00	0.00	0.00	0.00
8.400	0.3	3.8	0.00	0.00	0.00	0.00
8.500	0.2	1.9	0.00	0.00	0.00	0.00
8.600	0.0	0.1	0.00	0.00	0.00	0.00
8.700	-0.1	-1.8	0.00	0.00	0.00	0.00
8.800	-0.3	-3.6	0.00	0.00	0.00	0.00
8.900	-0.4	-5.4	0.00	0.00	0.00	0.00
9.000	-0.6	-7.3	0.00	0.00	0.00	0.00

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	999.00	999.00	HS 999.00	999.0
1.100	999.00	999.00	HS 999.00	999.0
1.200	999.00	999.00	HS 999.00	999.0
1.300	999.00	999.00	HS 999.00	999.0
1.400	999.00	999.00	HS 999.00	999.0
1.500	999.00	999.00	HS 999.00	999.0
1.600	999.00	999.00	HS 999.00	999.0
1.700	999.00	999.00	HS 999.00	999.0
1.800	999.00	999.00	HS 999.00	999.0
1.900	999.00	999.00	HS 999.00	999.0
2.000	999.00	999.00	HS 999.00	999.0
2.000	999.00	999.00	HS 999.00	999.0
2.100	999.00	999.00	HS 999.00	999.0
2.200	999.00	999.00	HS 999.00	999.0
2.300	999.00	999.00	HS 999.00	999.0
2.400	999.00	999.00	HS 999.00	999.0
2.500	999.00	999.00	HS 999.00	999.0
2.600	999.00	999.00	HS 999.00	999.0
2.700	999.00	999.00	HS 999.00	999.0
2.800	999.00	999.00	HS 999.00	999.0
2.900	999.00	999.00	HS 999.00	999.0
3.000	999.00	999.00	HS 999.00	999.0
3.000	999.00	999.00	HS 999.00	999.0
3.100	999.00	999.00	HS 999.00	999.0
3.200	999.00	999.00	HS 999.00	999.0
3.300	999.00	999.00	HS 999.00	999.0
3.400	999.00	999.00	HS 999.00	999.0
3.500	999.00	999.00	HS 999.00	999.0
3.600	999.00	999.00	HS 999.00	999.0
3.700	999.00	999.00	HS 999.00	999.0
3.800	999.00	999.00	HS 999.00	999.0
3.900	999.00	999.00	HS 999.00	999.0
4.000	999.00	999.00	HS 999.00	999.0

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	999.00	999.00	HS 999.00	999.0
4.100	999.00	999.00	HS 999.00	999.0
4.200	999.00	999.00	HS 999.00	999.0
4.300	999.00	999.00	HS 999.00	999.0
4.400	999.00	999.00	HS 999.00	999.0
4.500	999.00	999.00	HS 999.00	999.0
4.600	999.00	999.00	HS 999.00	999.0
4.700	999.00	999.00	HS 999.00	999.0
4.800	999.00	999.00	HS 999.00	999.0
4.900	999.00	999.00	HS 999.00	999.0
5.000	999.00	999.00	HS 999.00	999.0
5.000	999.00	999.00	HS 999.00	999.0
5.100	999.00	999.00	HS 999.00	999.0
5.200	999.00	999.00	HS 999.00	999.0
5.300	999.00	999.00	HS 999.00	999.0
5.400	999.00	999.00	HS 999.00	999.0
5.500	999.00	999.00	HS 999.00	999.0
5.600	999.00	999.00	HS 999.00	999.0
5.700	999.00	999.00	HS 999.00	999.0
5.800	999.00	999.00	HS 999.00	999.0
5.900	999.00	999.00	HS 999.00	999.0
6.000	999.00	999.00	HS 999.00	999.0
6.000	999.00	999.00	HS 999.00	999.0
6.100	999.00	999.00	HS 999.00	999.0
6.200	999.00	999.00	HS 999.00	999.0
6.300	999.00	999.00	HS 999.00	999.0
6.400	999.00	999.00	HS 999.00	999.0
6.500	999.00	999.00	HS 999.00	999.0
6.600	999.00	999.00	HS 999.00	999.0
6.700	999.00	999.00	HS 999.00	999.0
6.800	999.00	999.00	HS 999.00	999.0
6.900	999.00	999.00	HS 999.00	999.0
7.000	999.00	999.00	HS 999.00	999.0

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	999.00	999.00	HS 999.00	999.0
7.100	999.00	999.00	HS 999.00	999.0
7.200	999.00	999.00	HS 999.00	999.0
7.300	999.00	999.00	HS 999.00	999.0
7.400	999.00	999.00	HS 999.00	999.0
7.500	999.00	999.00	HS 999.00	999.0
7.600	999.00	999.00	HS 999.00	999.0
7.700	999.00	999.00	HS 999.00	999.0
7.800	999.00	999.00	HS 999.00	999.0
7.900	999.00	999.00	HS 999.00	999.0
8.000	999.00	999.00	HS 999.00	999.0
8.000	999.00	999.00	HS 999.00	999.0
8.100	999.00	999.00	HS 999.00	999.0
8.200	999.00	999.00	HS 999.00	999.0
8.300	999.00	999.00	HS 999.00	999.0
8.400	999.00	999.00	HS 999.00	999.0
8.500	999.00	999.00	HS 999.00	999.0
8.600	999.00	999.00	HS 999.00	999.0
8.700	999.00	999.00	HS 999.00	999.0
8.800	999.00	999.00	HS 999.00	999.0
8.900	999.00	999.00	HS 999.00	999.0
9.000	999.00	999.00	HS 999.00	999.0

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
67.6								
1.100	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1
77.5								
1.200	178.9	178.9	-156.4	-156.4	150.8	150.8	-184.5	-1
84.5								
1.300	181.6	181.6	-153.6	-153.6	146.7	146.7	-188.6	-1
88.6								
1.400	182.5	182.5	-152.8	-152.8	145.3	145.3	-189.9	-1
89.9								
1.500	181.5	181.5	-153.8	-153.8	146.9	146.9	-188.4	-1
88.4								
1.600	178.5	178.5	-156.8	-156.8	151.3	151.3	-184.0	-1
84.0								
1.700	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
76.7								
1.800	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
66.5								
1.900	158.3	158.3	-177.0	-177.0	181.7	181.7	-153.6	-1
53.6								
2.000	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
37.8								
2.000	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
37.8								
2.100	156.8	156.8	-178.5	-178.5	183.9	183.9	-151.4	-1
51.4								
2.200	164.0	164.0	-171.3	-171.3	173.1	173.1	-162.2	-1
62.2								
2.300	169.3	169.3	-166.0	-166.0	165.2	165.2	-170.1	-1
70.1								
2.400	172.7	172.7	-162.6	-162.6	160.1	160.1	-175.2	-1
75.2								
2.500	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1
77.5								
2.600	173.8	173.8	-161.5	-161.5	158.4	158.4	-176.8	-1
76.8								
2.700	171.4	171.4	-163.8	-163.8	162.0	162.0	-173.3	-1
73.3								
2.800	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
67.0								
2.900	161.1	161.1	-174.2	-174.2	177.5	177.5	-157.8	-1
57.8								

3.000 45.8	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
3.000 45.8	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
3.100 58.4	161.5	161.5	-173.8	-173.8	176.9	176.9	-158.4	-1
3.200 68.1	168.0	168.0	-167.3	-167.3	167.1	167.1	-168.1	-1
3.300 75.1	172.6	172.6	-162.7	-162.7	160.2	160.2	-175.1	-1
3.400 79.2	175.3	175.3	-160.0	-160.0	156.1	156.1	-179.2	-1
3.500 80.4	176.2	176.2	-159.1	-159.1	154.9	154.9	-180.4	-1
3.600 78.7	175.0	175.0	-160.2	-160.2	156.6	156.6	-178.7	-1
3.700 74.2	172.0	172.0	-163.3	-163.3	161.1	161.1	-174.2	-1
3.800 66.8	167.1	167.1	-168.2	-168.2	168.4	168.4	-166.8	-1
3.900 56.6	160.3	160.3	-175.0	-175.0	178.6	178.6	-156.6	-1
4.000 43.6	151.6	151.6	-183.7	-183.7	191.7	191.7	-143.6	-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	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
4.000	151.6	151.6	-183.7	-183.7	191.7	191.7	-143.6	-1
43.6								
4.100	160.2	160.2	-175.1	-175.1	178.8	178.8	-156.5	-1
56.5								
4.200	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
66.5								
4.300	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.8	-1
73.8								
4.400	174.6	174.6	-160.6	-160.6	157.1	157.1	-178.1	-1
78.1								
4.500	175.7	175.7	-159.6	-159.6	155.6	155.6	-179.7	-1
79.7								
4.600	174.7	174.7	-160.5	-160.5	157.0	157.0	-178.3	-1
78.3								
4.700	171.9	171.9	-163.4	-163.4	161.2	161.2	-174.1	-1
74.1								
4.800	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
67.0								
4.900	160.6	160.6	-174.7	-174.7	178.2	178.2	-157.1	-1
57.1								
5.000	152.1	152.1	-183.2	-183.2	191.0	191.0	-144.3	-1
44.3								
5.000	152.1	152.1	-183.2	-183.2	191.0	191.0	-144.3	-1
44.3								
5.100	160.6	160.6	-174.7	-174.7	178.2	178.2	-157.1	-1
57.1								
5.200	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
67.0								
5.300	171.9	171.9	-163.4	-163.4	161.2	161.2	-174.1	-1
74.1								
5.400	174.7	174.7	-160.5	-160.5	157.0	157.0	-178.3	-1
78.3								
5.500	175.7	175.7	-159.6	-159.6	155.6	155.6	-179.7	-1
79.7								
5.600	174.6	174.6	-160.6	-160.6	157.1	157.1	-178.1	-1
78.1								
5.700	171.7	171.7	-163.6	-163.6	161.5	161.5	-173.8	-1
73.8								
5.800	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
66.5								
5.900	160.2	160.2	-175.1	-175.1	178.8	178.8	-156.5	-1
56.5								

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	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
7.000	153.1	153.1	-182.2	-182.2	189.5	189.5	-145.8	-1
45.8								
7.100	161.1	161.1	-174.2	-174.2	177.5	177.5	-157.8	-1
57.8								
7.200	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
67.0								
7.300	171.4	171.4	-163.8	-163.8	162.0	162.0	-173.3	-1
73.3								
7.400	173.8	173.8	-161.5	-161.5	158.4	158.4	-176.8	-1
76.8								
7.500	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1
77.5								
7.600	172.7	172.7	-162.6	-162.6	160.1	160.1	-175.2	-1
75.2								
7.700	169.3	169.3	-166.0	-166.0	165.2	165.2	-170.1	-1
70.1								
7.800	164.0	164.0	-171.3	-171.3	173.1	173.1	-162.2	-1
62.2								
7.900	156.8	156.8	-178.5	-178.5	183.9	183.9	-151.4	-1
51.4								
8.000	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
37.8								
8.000	147.7	147.7	-187.6	-187.6	197.5	197.5	-137.8	-1
37.8								
8.100	158.3	158.3	-177.0	-177.0	181.7	181.7	-153.6	-1
53.6								
8.200	166.9	166.9	-168.4	-168.4	168.7	168.7	-166.5	-1
66.5								
8.300	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
76.7								
8.400	178.5	178.5	-156.8	-156.8	151.3	151.3	-184.0	-1
84.0								
8.500	181.5	181.5	-153.8	-153.8	146.9	146.9	-188.4	-1
88.4								
8.600	182.5	182.5	-152.8	-152.8	145.3	145.3	-189.9	-1
89.9								
8.700	181.6	181.6	-153.6	-153.6	146.7	146.7	-188.6	-1
88.6								
8.800	178.9	178.9	-156.4	-156.4	150.8	150.8	-184.5	-1
84.5								
8.900	174.2	174.2	-161.1	-161.1	157.8	157.8	-177.5	-1
77.5								

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

Span	Moment				Rating Value	Load Capacity (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
2.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
3.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.

Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
4.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
4.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
5.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
6.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.000	999.00	999.00	999.00	999.00	HS 999.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: INV.
Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
7.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
7.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.100	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.200	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.300	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.400	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.500	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.600	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.700	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.800	999.00	999.00	999.00	999.00	HS 999.00	999.0
8.900	999.00	999.00	999.00	999.00	HS 999.00	999.0
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: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R 0.00	0.00 0.00
1.100	1.2	15.2	0.00 R 0.00	0.00 0.00
1.200	2.1	26.0	0.00 R 0.00	0.00 0.00
1.300	2.6	32.4	0.00 R 0.00	0.00 0.00
1.400	2.8	34.4	0.00 R 0.00	0.00 0.00
1.500	2.6	32.1	0.00 R 0.00	0.00 0.00
1.600	2.0	25.2	0.00 R 0.00	0.00 0.00
1.700	1.1	14.0	0.00 R 0.00	0.00 0.00
1.800	-0.2	-1.7	0.00 R 0.00	0.00 0.00
1.900	-1.8	-21.7	0.00 R 0.00	0.00 0.00
2.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
2.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
2.100	-2.1	-25.0	0.00 R 0.00	0.00 0.00
2.200	-0.7	-8.4	0.00 R 0.00	0.00 0.00
2.300	0.3	3.9	0.00 R 0.00	0.00 0.00
2.400	0.9	11.7	0.00 R 0.00	0.00 0.00
2.500	1.2	15.2	0.00 R 0.00	0.00 0.00
2.600	1.1	14.2	0.00 R 0.00	0.00 0.00
2.700	0.7	8.8	0.00 R 0.00	0.00 0.00
2.800	-0.1	-1.0	0.00 R 0.00	0.00 0.00
2.900	-1.3	-15.1	0.00 R 0.00	0.00 0.00
3.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00
3.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00
3.100	-1.2	-14.2	0.00 R 0.00	0.00 0.00
3.200	0.0	0.8	0.00 R 0.00	0.00 0.00
3.300	0.9	11.5	0.00 R 0.00	0.00 0.00
3.400	1.4	17.8	0.00 R 0.00	0.00 0.00
3.500	1.6	19.7	0.00 R 0.00	0.00 0.00
3.600	1.4	17.1	0.00 R 0.00	0.00 0.00
3.700	0.8	10.1	0.00 R 0.00	0.00 0.00
3.800	-0.1	-1.2	0.00 R 0.00	0.00 0.00
3.900	-1.4	-16.9	0.00 R 0.00	0.00 0.00
4.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00
4.100	-1.4	-17.2	0.00 R 0.00	0.00 0.00
4.200	-0.2	-1.7	0.00 R 0.00	0.00 0.00
4.300	0.7	9.5	0.00 R 0.00	0.00 0.00
4.400	1.3	16.2	0.00 R 0.00	0.00 0.00
4.500	1.5	18.6	0.00 R 0.00	0.00 0.00
4.600	1.3	16.5	0.00 R 0.00	0.00 0.00
4.700	0.8	9.9	0.00 R 0.00	0.00 0.00
4.800	-0.1	-1.0	0.00 R 0.00	0.00 0.00
4.900	-1.3	-16.3	0.00 R 0.00	0.00 0.00
5.000	-2.9	-35.9	0.00 R 0.00	0.00 0.00
5.000	-2.9	-35.9	0.00 R 0.00	0.00 0.00
5.100	-1.3	-16.3	0.00 R 0.00	0.00 0.00
5.200	-0.1	-1.0	0.00 R 0.00	0.00 0.00
5.300	0.8	9.9	0.00 R 0.00	0.00 0.00
5.400	1.3	16.5	0.00 R 0.00	0.00 0.00
5.500	1.5	18.6	0.00 R 0.00	0.00 0.00
5.600	1.3	16.2	0.00 R 0.00	0.00 0.00
5.700	0.7	9.5	0.00 R 0.00	0.00 0.00
5.800	-0.2	-1.7	0.00 R 0.00	0.00 0.00
5.900	-1.4	-17.2	0.00 R 0.00	0.00 0.00
6.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00
6.000	-3.0	-37.0	0.00 R 0.00	0.00 0.00
6.100	-1.4	-16.9	0.00 R 0.00	0.00 0.00
6.200	-0.1	-1.2	0.00 R 0.00	0.00 0.00
6.300	0.8	10.1	0.00 R 0.00	0.00 0.00
6.400	1.4	17.1	0.00 R 0.00	0.00 0.00
6.500	1.6	19.7	0.00 R 0.00	0.00 0.00
6.600	1.4	17.8	0.00 R 0.00	0.00 0.00
6.700	0.9	11.5	0.00 R 0.00	0.00 0.00
6.800	0.0	0.8	0.00 R 0.00	0.00 0.00
6.900	-1.2	-14.2	0.00 R 0.00	0.00 0.00
7.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-2.8	-33.7	0.00 R 0.00	0.00 0.00
7.100	-1.3	-15.1	0.00 R 0.00	0.00 0.00
7.200	-0.1	-1.0	0.00 R 0.00	0.00 0.00
7.300	0.7	8.8	0.00 R 0.00	0.00 0.00
7.400	1.1	14.2	0.00 R 0.00	0.00 0.00
7.500	1.2	15.2	0.00 R 0.00	0.00 0.00
7.600	0.9	11.7	0.00 R 0.00	0.00 0.00
7.700	0.3	3.9	0.00 R 0.00	0.00 0.00
7.800	-0.7	-8.4	0.00 R 0.00	0.00 0.00
7.900	-2.1	-25.0	0.00 R 0.00	0.00 0.00
8.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
8.000	-3.8	-46.0	0.00 R 0.00	0.00 0.00
8.100	-1.8	-21.7	0.00 R 0.00	0.00 0.00
8.200	-0.2	-1.7	0.00 R 0.00	0.00 0.00
8.300	1.1	14.0	0.00 R 0.00	0.00 0.00
8.400	2.0	25.2	0.00 R 0.00	0.00 0.00
8.500	2.6	32.1	0.00 R 0.00	0.00 0.00
8.600	2.8	34.4	0.00 R 0.00	0.00 0.00
8.700	2.6	32.4	0.00 R 0.00	0.00 0.00
8.800	2.1	26.0	0.00 R 0.00	0.00 0.00
8.900	1.2	15.2	0.00 R 0.00	0.00 0.00
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: OPER.
Rating Live Load: 5C1

Span ng .	Positive		Moment Capacity Bending		Negative		Bending		Available Capacity for LL+I			
	Top		Bott.		Top		Bott.		Positive Bending		Negative Bendi	
	Top	Bott.	Top	Bott.	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: 5C1

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
		Bott.	Top		Top	Bott.	Top	Bott	
6 1 8 8 1 7 4 3 5 0 8	4.000	300.6C	268.7	-268.7	-300.6C	340.7	308.7	-228.6	-260.
	4.100	300.6C	268.7	-268.7	-300.6C	319.2	287.2	-250.1	-282.
	4.200	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
	4.300	300.6C	268.7	-268.7	-300.6C	290.4	258.4	-278.9	-310.
	4.400	300.6C	268.7	-268.7	-300.6C	283.1	251.1	-286.2	-318.
	4.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
	4.600	300.6C	268.7	-268.7	-300.6C	282.9	250.9	-286.4	-318.
	4.700	300.6C	268.7	-268.7	-300.6C	289.9	258.0	-279.3	-311.
	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	318.3	286.3	-251.0	-283.
8 8 0 5 3 4 7 1 8 8 1	5.000	300.6C	268.7	-268.7	-300.6C	339.5	307.5	-229.8	-261.
	5.000	300.6C	268.7	-268.7	-300.6C	339.5	307.5	-229.8	-261.
	5.100	300.6C	268.7	-268.7	-300.6C	318.3	286.3	-251.0	-283.
	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	289.9	258.0	-279.3	-311.
	5.400	300.6C	268.7	-268.7	-300.6C	282.9	250.9	-286.4	-318.
	5.500	300.6C	268.7	-268.7	-300.6C	280.6	248.6	-288.7	-320.
	5.600	300.6C	268.7	-268.7	-300.6C	283.1	251.1	-286.2	-318.
	5.700	300.6C	268.7	-268.7	-300.6C	290.4	258.4	-278.9	-310.
	5.800	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
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: 5C1

Span ng	Positive		Moment Capacity Bending Negative		Available Capacity for LL+I Positive Bending		Negative Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
7.000	300.6C	268.7	-268.7	-300.6C	337.1	305.1	-232.2	-264.
7.100	300.6C	268.7	-268.7	-300.6C	317.0	285.1	-252.3	-284.
7.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.
7.300	300.6C	268.7	-268.7	-300.6C	291.2	259.2	-278.1	-310.
7.400	300.6C	268.7	-268.7	-300.6C	285.3	253.3	-284.0	-316.
7.500	300.6C	268.7	-268.7	-300.6C	284.2	252.2	-285.1	-317.
7.600	300.6C	268.7	-268.7	-300.6C	288.0	256.0	-281.3	-313.
7.700	300.6C	268.7	-268.7	-300.6C	296.5	264.5	-272.8	-304.
7.800	300.6C	268.7	-268.7	-300.6C	309.7	277.8	-259.5	-291.
7.900	300.6C	268.7	-268.7	-300.6C	327.7	295.7	-241.6	-273.
8.000	300.6C	268.7	-268.7	-300.6C	350.4	318.4	-218.9	-250.
8.000	300.6C	268.7	-268.7	-300.6C	350.4	318.4	-218.9	-250.
8.100	300.6C	268.7	-268.7	-300.6C	324.1	292.1	-245.2	-277.
8.200	300.6C	268.7	-268.7	-300.6C	302.5	270.5	-266.8	-298.
8.300	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
8.400	300.6C	268.7	-268.7	-300.6C	273.4	241.4	-295.9	-327.
8.500	300.6C	268.7	-268.7	-300.6C	266.0	234.0	-303.3	-335.
8.600	300.6C	268.7	-268.7	-300.6C	263.5	231.5	-305.8	-337.
8.700	300.6C	268.7	-268.7	-300.6C	265.7	233.7	-303.6	-335.
8.800	300.6C	268.7	-268.7	-300.6C	272.6	240.6	-296.7	-328.
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:

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	999.00	999.00	999.00	999.00	0.00	999.0
1.200	999.00	999.00	999.00	999.00	0.00	999.0
1.300	999.00	999.00	999.00	999.00	0.00	999.0
1.400	999.00	999.00	999.00	999.00	0.00	999.0
1.500	999.00	999.00	999.00	999.00	0.00	999.0
1.600	999.00	999.00	999.00	999.00	0.00	999.0
1.700	999.00	999.00	999.00	999.00	0.00	999.0
1.800	999.00	999.00	999.00	999.00	0.00	999.0
1.900	999.00	999.00	999.00	999.00	0.00	999.0
2.000	999.00	999.00	999.00	999.00	0.00	999.0
2.000	999.00	999.00	999.00	999.00	0.00	999.0
2.100	999.00	999.00	999.00	999.00	0.00	999.0
2.200	999.00	999.00	999.00	999.00	0.00	999.0
2.300	999.00	999.00	999.00	999.00	0.00	999.0
2.400	999.00	999.00	999.00	999.00	0.00	999.0
2.500	999.00	999.00	999.00	999.00	0.00	999.0
2.600	999.00	999.00	999.00	999.00	0.00	999.0
2.700	999.00	999.00	999.00	999.00	0.00	999.0
2.800	999.00	999.00	999.00	999.00	0.00	999.0
2.900	999.00	999.00	999.00	999.00	0.00	999.0
3.000	999.00	999.00	999.00	999.00	0.00	999.0
3.000	999.00	999.00	999.00	999.00	0.00	999.0
3.100	999.00	999.00	999.00	999.00	0.00	999.0
3.200	999.00	999.00	999.00	999.00	0.00	999.0
3.300	999.00	999.00	999.00	999.00	0.00	999.0
3.400	999.00	999.00	999.00	999.00	0.00	999.0
3.500	999.00	999.00	999.00	999.00	0.00	999.0
3.600	999.00	999.00	999.00	999.00	0.00	999.0
3.700	999.00	999.00	999.00	999.00	0.00	999.0
3.800	999.00	999.00	999.00	999.00	0.00	999.0
3.900	999.00	999.00	999.00	999.00	0.00	999.0
4.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
4.000	999.00	999.00	999.00	999.00	0.00	999.0
4.100	999.00	999.00	999.00	999.00	0.00	999.0
4.200	999.00	999.00	999.00	999.00	0.00	999.0
4.300	999.00	999.00	999.00	999.00	0.00	999.0
4.400	999.00	999.00	999.00	999.00	0.00	999.0
4.500	999.00	999.00	999.00	999.00	0.00	999.0
4.600	999.00	999.00	999.00	999.00	0.00	999.0
4.700	999.00	999.00	999.00	999.00	0.00	999.0
4.800	999.00	999.00	999.00	999.00	0.00	999.0
4.900	999.00	999.00	999.00	999.00	0.00	999.0
5.000	999.00	999.00	999.00	999.00	0.00	999.0
5.000	999.00	999.00	999.00	999.00	0.00	999.0
5.100	999.00	999.00	999.00	999.00	0.00	999.0
5.200	999.00	999.00	999.00	999.00	0.00	999.0
5.300	999.00	999.00	999.00	999.00	0.00	999.0
5.400	999.00	999.00	999.00	999.00	0.00	999.0
5.500	999.00	999.00	999.00	999.00	0.00	999.0
5.600	999.00	999.00	999.00	999.00	0.00	999.0
5.700	999.00	999.00	999.00	999.00	0.00	999.0
5.800	999.00	999.00	999.00	999.00	0.00	999.0
5.900	999.00	999.00	999.00	999.00	0.00	999.0
6.000	999.00	999.00	999.00	999.00	0.00	999.0
6.000	999.00	999.00	999.00	999.00	0.00	999.0
6.100	999.00	999.00	999.00	999.00	0.00	999.0
6.200	999.00	999.00	999.00	999.00	0.00	999.0
6.300	999.00	999.00	999.00	999.00	0.00	999.0
6.400	999.00	999.00	999.00	999.00	0.00	999.0
6.500	999.00	999.00	999.00	999.00	0.00	999.0
6.600	999.00	999.00	999.00	999.00	0.00	999.0
6.700	999.00	999.00	999.00	999.00	0.00	999.0
6.800	999.00	999.00	999.00	999.00	0.00	999.0
6.900	999.00	999.00	999.00	999.00	0.00	999.0
7.000	999.00	999.00	999.00	999.00	0.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Moment

Span	Rating Factor		Rating Factor		Rating Value	Load Capacity (tons)
	top fiber +bend	bottom fiber -bend	top fiber +bend	bottom fiber -bend		
7.000	999.00	999.00	999.00	999.00	0.00	999.0
7.100	999.00	999.00	999.00	999.00	0.00	999.0
7.200	999.00	999.00	999.00	999.00	0.00	999.0
7.300	999.00	999.00	999.00	999.00	0.00	999.0
7.400	999.00	999.00	999.00	999.00	0.00	999.0
7.500	999.00	999.00	999.00	999.00	0.00	999.0
7.600	999.00	999.00	999.00	999.00	0.00	999.0
7.700	999.00	999.00	999.00	999.00	0.00	999.0
7.800	999.00	999.00	999.00	999.00	0.00	999.0
7.900	999.00	999.00	999.00	999.00	0.00	999.0
8.000	999.00	999.00	999.00	999.00	0.00	999.0
8.000	999.00	999.00	999.00	999.00	0.00	999.0
8.100	999.00	999.00	999.00	999.00	0.00	999.0
8.200	999.00	999.00	999.00	999.00	0.00	999.0
8.300	999.00	999.00	999.00	999.00	0.00	999.0
8.400	999.00	999.00	999.00	999.00	0.00	999.0
8.500	999.00	999.00	999.00	999.00	0.00	999.0
8.600	999.00	999.00	999.00	999.00	0.00	999.0
8.700	999.00	999.00	999.00	999.00	0.00	999.0
8.800	999.00	999.00	999.00	999.00	0.00	999.0
8.900	999.00	999.00	999.00	999.00	0.00	999.0
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: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.6	7.3	0.00	0.00	0.00	0.00
1.100	0.4	5.4	0.00	0.00	0.00	0.00
1.200	0.3	3.6	0.00	0.00	0.00	0.00
1.300	0.1	1.8	0.00	0.00	0.00	0.00
1.400	0.0	-0.1	0.00	0.00	0.00	0.00
1.500	-0.2	-1.9	0.00	0.00	0.00	0.00
1.600	-0.3	-3.8	0.00	0.00	0.00	0.00
1.700	-0.5	-5.6	0.00	0.00	0.00	0.00
1.800	-0.6	-7.4	0.00	0.00	0.00	0.00
1.900	-0.8	-9.3	0.00	0.00	0.00	0.00
2.000	-0.9	-11.1	0.00	0.00	0.00	0.00
2.000	0.8	-11.1	0.00	0.00	0.00	0.00
2.100	0.6	7.9	0.00	0.00	0.00	0.00
2.200	0.5	6.0	0.00	0.00	0.00	0.00
2.300	0.3	4.2	0.00	0.00	0.00	0.00
2.400	0.2	2.4	0.00	0.00	0.00	0.00
2.500	0.0	0.6	0.00	0.00	0.00	0.00
2.600	-0.1	-1.4	0.00	0.00	0.00	0.00
2.700	-0.3	-3.2	0.00	0.00	0.00	0.00
2.800	-0.4	-5.0	0.00	0.00	0.00	0.00
2.900	-0.6	-6.8	0.00	0.00	0.00	0.00
3.000	-0.7	-8.7	0.00	0.00	0.00	0.00
3.000	0.7	9.0	0.00	0.00	0.00	0.00
3.100	0.6	7.2	0.00	0.00	0.00	0.00
3.200	0.4	5.4	0.00	0.00	0.00	0.00
3.300	0.3	3.5	0.00	0.00	0.00	0.00
3.400	0.1	1.7	0.00	0.00	0.00	0.00
3.500	0.0	-0.1	0.00	0.00	0.00	0.00
3.600	-0.2	-2.0	0.00	0.00	0.00	0.00
3.700	-0.3	-3.8	0.00	0.00	0.00	0.00
3.800	-0.5	-5.7	0.00	0.00	0.00	0.00
3.900	-0.6	-7.5	0.00	0.00	0.00	0.00
4.000	-0.8	-9.3	0.00	0.00	0.00	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck	
4.000	0.7	-9.3	0.00	0.00	0.00	0.00
4.100	0.6	7.4	0.00	0.00	0.00	0.00
4.200	0.5	5.6	0.00	0.00	0.00	0.00
4.300	0.3	3.7	0.00	0.00	0.00	0.00
4.400	0.2	1.9	0.00	0.00	0.00	0.00
4.500	0.0	0.1	0.00	0.00	0.00	0.00
4.600	-0.1	-1.8	0.00	0.00	0.00	0.00
4.700	-0.3	-3.6	0.00	0.00	0.00	0.00
4.800	-0.4	-5.5	0.00	0.00	0.00	0.00
4.900	-0.6	-7.3	0.00	0.00	0.00	0.00
5.000	-0.7	-9.1	0.00	0.00	0.00	0.00
5.000	0.7	9.1	0.00	0.00	0.00	0.00
5.100	0.6	7.3	0.00	0.00	0.00	0.00
5.200	0.4	5.5	0.00	0.00	0.00	0.00
5.300	0.3	3.6	0.00	0.00	0.00	0.00
5.400	0.1	1.8	0.00	0.00	0.00	0.00
5.500	0.0	-0.1	0.00	0.00	0.00	0.00
5.600	-0.2	-1.9	0.00	0.00	0.00	0.00
5.700	-0.3	-3.7	0.00	0.00	0.00	0.00
5.800	-0.5	-5.6	0.00	0.00	0.00	0.00
5.900	-0.6	-7.4	0.00	0.00	0.00	0.00
6.000	-0.7	-9.2	0.00	0.00	0.00	0.00
6.000	0.8	9.3	0.00	0.00	0.00	0.00
6.100	0.6	7.5	0.00	0.00	0.00	0.00
6.200	0.5	5.7	0.00	0.00	0.00	0.00
6.300	0.3	3.8	0.00	0.00	0.00	0.00
6.400	0.2	2.0	0.00	0.00	0.00	0.00
6.500	0.0	0.2	0.00	0.00	0.00	0.00
6.600	-0.1	-1.7	0.00	0.00	0.00	0.00
6.700	-0.3	-3.5	0.00	0.00	0.00	0.00
6.800	-0.4	-5.4	0.00	0.00	0.00	0.00
6.900	-0.6	-7.2	0.00	0.00	0.00	0.00
7.000	-0.7	-9.0	0.00	0.00	0.00	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck	Live Load w/o impact Truck
7.000	0.7	-9.0	0.00	0.00	0.00	0.00
7.100	0.6	6.8	0.00	0.00	0.00	0.00
7.200	0.4	5.0	0.00	0.00	0.00	0.00
7.300	0.3	3.2	0.00	0.00	0.00	0.00
7.400	0.1	1.4	0.00	0.00	0.00	0.00
7.500	0.0	-0.5	0.00	0.00	0.00	0.00
7.600	-0.2	-2.4	0.00	0.00	0.00	0.00
7.700	-0.3	-4.2	0.00	0.00	0.00	0.00
7.800	-0.5	-6.0	0.00	0.00	0.00	0.00
7.900	-0.6	-7.9	0.00	0.00	0.00	0.00
8.000	-0.8	-9.7	0.00	0.00	0.00	0.00
8.000	0.9	11.1	0.00	0.00	0.00	0.00
8.100	0.8	9.3	0.00	0.00	0.00	0.00
8.200	0.6	7.4	0.00	0.00	0.00	0.00
8.300	0.5	5.6	0.00	0.00	0.00	0.00
8.400	0.3	3.8	0.00	0.00	0.00	0.00
8.500	0.2	1.9	0.00	0.00	0.00	0.00
8.600	0.0	0.1	0.00	0.00	0.00	0.00
8.700	-0.1	-1.8	0.00	0.00	0.00	0.00
8.800	-0.3	-3.6	0.00	0.00	0.00	0.00
8.900	-0.4	-5.4	0.00	0.00	0.00	0.00
9.000	-0.6	-7.3	0.00	0.00	0.00	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	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: 5C1

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: 5C1

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: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	999.00	999.00	0.00	999.0
1.100	999.00	999.00	0.00	999.0
1.200	999.00	999.00	0.00	999.0
1.300	999.00	999.00	0.00	999.0
1.400	999.00	999.00	0.00	999.0
1.500	999.00	999.00	0.00	999.0
1.600	999.00	999.00	0.00	999.0
1.700	999.00	999.00	0.00	999.0
1.800	999.00	999.00	0.00	999.0
1.900	999.00	999.00	0.00	999.0
2.000	999.00	999.00	0.00	999.0
2.000	999.00	999.00	0.00	999.0
2.100	999.00	999.00	0.00	999.0
2.200	999.00	999.00	0.00	999.0
2.300	999.00	999.00	0.00	999.0
2.400	999.00	999.00	0.00	999.0
2.500	999.00	999.00	0.00	999.0
2.600	999.00	999.00	0.00	999.0
2.700	999.00	999.00	0.00	999.0
2.800	999.00	999.00	0.00	999.0
2.900	999.00	999.00	0.00	999.0
3.000	999.00	999.00	0.00	999.0
3.000	999.00	999.00	0.00	999.0
3.100	999.00	999.00	0.00	999.0
3.200	999.00	999.00	0.00	999.0
3.300	999.00	999.00	0.00	999.0
3.400	999.00	999.00	0.00	999.0
3.500	999.00	999.00	0.00	999.0
3.600	999.00	999.00	0.00	999.0
3.700	999.00	999.00	0.00	999.0
3.800	999.00	999.00	0.00	999.0
3.900	999.00	999.00	0.00	999.0
4.000	999.00	999.00	0.00	999.0

SHEAR RATING REPORT

Structure I. D.

HAM500

Member I. D.

S01

Rating Type:

OPER.

Rating Live Load:

5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	999.00	999.00	0.00	999.0
4.100	999.00	999.00	0.00	999.0
4.200	999.00	999.00	0.00	999.0
4.300	999.00	999.00	0.00	999.0
4.400	999.00	999.00	0.00	999.0
4.500	999.00	999.00	0.00	999.0
4.600	999.00	999.00	0.00	999.0
4.700	999.00	999.00	0.00	999.0
4.800	999.00	999.00	0.00	999.0
4.900	999.00	999.00	0.00	999.0
5.000	999.00	999.00	0.00	999.0
5.000	999.00	999.00	0.00	999.0
5.100	999.00	999.00	0.00	999.0
5.200	999.00	999.00	0.00	999.0
5.300	999.00	999.00	0.00	999.0
5.400	999.00	999.00	0.00	999.0
5.500	999.00	999.00	0.00	999.0
5.600	999.00	999.00	0.00	999.0
5.700	999.00	999.00	0.00	999.0
5.800	999.00	999.00	0.00	999.0
5.900	999.00	999.00	0.00	999.0
6.000	999.00	999.00	0.00	999.0
6.000	999.00	999.00	0.00	999.0
6.100	999.00	999.00	0.00	999.0
6.200	999.00	999.00	0.00	999.0
6.300	999.00	999.00	0.00	999.0
6.400	999.00	999.00	0.00	999.0
6.500	999.00	999.00	0.00	999.0
6.600	999.00	999.00	0.00	999.0
6.700	999.00	999.00	0.00	999.0
6.800	999.00	999.00	0.00	999.0
6.900	999.00	999.00	0.00	999.0
7.000	999.00	999.00	0.00	999.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	999.00	999.00	0.00	999.0
7.100	999.00	999.00	0.00	999.0
7.200	999.00	999.00	0.00	999.0
7.300	999.00	999.00	0.00	999.0
7.400	999.00	999.00	0.00	999.0
7.500	999.00	999.00	0.00	999.0
7.600	999.00	999.00	0.00	999.0
7.700	999.00	999.00	0.00	999.0
7.800	999.00	999.00	0.00	999.0
7.900	999.00	999.00	0.00	999.0
8.000	999.00	999.00	0.00	999.0
8.000	999.00	999.00	0.00	999.0
8.100	999.00	999.00	0.00	999.0
8.200	999.00	999.00	0.00	999.0
8.300	999.00	999.00	0.00	999.0
8.400	999.00	999.00	0.00	999.0
8.500	999.00	999.00	0.00	999.0
8.600	999.00	999.00	0.00	999.0
8.700	999.00	999.00	0.00	999.0
8.800	999.00	999.00	0.00	999.0
8.900	999.00	999.00	0.00	999.0
9.000	999.00	999.00	0.00	999.0

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
79.4								
1.100	279.4	279.4	-279.4	-279.4	263.0	263.0	-295.8	-2
95.8								
1.200	279.4	279.4	-279.4	-279.4	251.3	251.3	-307.5	-3
07.5								
1.300	279.4	279.4	-279.4	-279.4	244.4	244.4	-314.4	-3
14.4								
1.400	279.4	279.4	-279.4	-279.4	242.2	242.2	-316.6	-3
16.6								
1.500	279.4	279.4	-279.4	-279.4	244.8	244.8	-314.0	-3
14.0								
1.600	279.4	279.4	-279.4	-279.4	252.2	252.2	-306.6	-3
06.6								
1.700	279.4	279.4	-279.4	-279.4	264.3	264.3	-294.5	-2
94.5								
1.800	279.4	279.4	-279.4	-279.4	281.2	281.2	-277.6	-2
77.6								
1.900	279.4	279.4	-279.4	-279.4	302.8	302.8	-256.0	-2
56.0								
2.000	279.4	279.4	-279.4	-279.4	329.2	329.2	-229.6	-2
29.6								
2.000	279.4	279.4	-279.4	-279.4	329.2	329.2	-229.6	-2
29.6								
2.100	279.4	279.4	-279.4	-279.4	306.5	306.5	-252.3	-2
52.3								
2.200	279.4	279.4	-279.4	-279.4	288.5	288.5	-270.3	-2
70.3								
2.300	279.4	279.4	-279.4	-279.4	275.3	275.3	-283.5	-2
83.5								
2.400	279.4	279.4	-279.4	-279.4	266.8	266.8	-292.0	-2
92.0								
2.500	279.4	279.4	-279.4	-279.4	263.0	263.0	-295.8	-2
95.8								
2.600	279.4	279.4	-279.4	-279.4	264.1	264.1	-294.7	-2
94.7								
2.700	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
88.9								
2.800	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
2.900	279.4	279.4	-279.4	-279.4	295.8	295.8	-263.0	-2
63.0								

3.000 43.0	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
3.000 43.0	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
3.100 64.0	279.4	279.4	-279.4	-279.4	294.8	294.8	-264.0	-2
3.200 80.2	279.4	279.4	-279.4	-279.4	278.6	278.6	-280.2	-2
3.300 91.8	279.4	279.4	-279.4	-279.4	267.0	267.0	-291.8	-2
3.400 98.6	279.4	279.4	-279.4	-279.4	260.2	260.2	-298.6	-2
3.500 00.7	279.4	279.4	-279.4	-279.4	258.1	258.1	-300.7	-3
3.600 97.9	279.4	279.4	-279.4	-279.4	260.9	260.9	-297.9	-2
3.700 90.3	279.4	279.4	-279.4	-279.4	268.5	268.5	-290.3	-2
3.800 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
3.900 61.1	279.4	279.4	-279.4	-279.4	297.7	297.7	-261.1	-2
4.000 39.3	279.4	279.4	-279.4	-279.4	319.5	319.5	-239.3	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
4.000	279.4	279.4	-279.4	-279.4	319.5	319.5	-239.3	-2
39.3								
4.100	279.4	279.4	-279.4	-279.4	298.0	298.0	-260.8	-2
60.8								
4.200	279.4	279.4	-279.4	-279.4	281.2	281.2	-277.6	-2
77.6								
4.300	279.4	279.4	-279.4	-279.4	269.2	269.2	-289.6	-2
89.6								
4.400	279.4	279.4	-279.4	-279.4	261.9	261.9	-296.9	-2
96.9								
4.500	279.4	279.4	-279.4	-279.4	259.3	259.3	-299.5	-2
99.5								
4.600	279.4	279.4	-279.4	-279.4	261.7	261.7	-297.1	-2
97.1								
4.700	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
90.1								
4.800	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
4.900	279.4	279.4	-279.4	-279.4	297.0	297.0	-261.8	-2
61.8								
5.000	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2
40.5								
5.000	279.4	279.4	-279.4	-279.4	318.3	318.3	-240.5	-2
40.5								
5.100	279.4	279.4	-279.4	-279.4	297.0	297.0	-261.8	-2
61.8								
5.200	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
5.300	279.4	279.4	-279.4	-279.4	268.7	268.7	-290.1	-2
90.1								
5.400	279.4	279.4	-279.4	-279.4	261.7	261.7	-297.1	-2
97.1								
5.500	279.4	279.4	-279.4	-279.4	259.3	259.3	-299.5	-2
99.5								
5.600	279.4	279.4	-279.4	-279.4	261.9	261.9	-296.9	-2
96.9								
5.700	279.4	279.4	-279.4	-279.4	269.2	269.2	-289.6	-2
89.6								
5.800	279.4	279.4	-279.4	-279.4	281.2	281.2	-277.6	-2
77.6								
5.900	279.4	279.4	-279.4	-279.4	298.0	298.0	-260.8	-2
60.8								

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: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
7.000	279.4	279.4	-279.4	-279.4	315.8	315.8	-243.0	-2
43.0								
7.100	279.4	279.4	-279.4	-279.4	295.8	295.8	-263.0	-2
63.0								
7.200	279.4	279.4	-279.4	-279.4	280.5	280.5	-278.3	-2
78.3								
7.300	279.4	279.4	-279.4	-279.4	269.9	269.9	-288.9	-2
88.9								
7.400	279.4	279.4	-279.4	-279.4	264.1	264.1	-294.7	-2
94.7								
7.500	279.4	279.4	-279.4	-279.4	263.0	263.0	-295.8	-2
95.8								
7.600	279.4	279.4	-279.4	-279.4	266.8	266.8	-292.0	-2
92.0								
7.700	279.4	279.4	-279.4	-279.4	275.3	275.3	-283.5	-2
83.5								
7.800	279.4	279.4	-279.4	-279.4	288.5	288.5	-270.3	-2
70.3								
7.900	279.4	279.4	-279.4	-279.4	306.5	306.5	-252.3	-2
52.3								
8.000	279.4	279.4	-279.4	-279.4	329.2	329.2	-229.6	-2
29.6								
8.000	279.4	279.4	-279.4	-279.4	329.2	329.2	-229.6	-2
29.6								
8.100	279.4	279.4	-279.4	-279.4	302.8	302.8	-256.0	-2
56.0								
8.200	279.4	279.4	-279.4	-279.4	281.2	281.2	-277.6	-2
77.6								
8.300	279.4	279.4	-279.4	-279.4	264.3	264.3	-294.5	-2
94.5								
8.400	279.4	279.4	-279.4	-279.4	252.2	252.2	-306.6	-3
06.6								
8.500	279.4	279.4	-279.4	-279.4	244.8	244.8	-314.0	-3
14.0								
8.600	279.4	279.4	-279.4	-279.4	242.2	242.2	-316.6	-3
16.6								
8.700	279.4	279.4	-279.4	-279.4	244.4	244.4	-314.4	-3
14.4								
8.800	279.4	279.4	-279.4	-279.4	251.3	251.3	-307.5	-3
07.5								
8.900	279.4	279.4	-279.4	-279.4	263.0	263.0	-295.8	-2
95.8								

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: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	999.00	999.00	999.00	999.00	0.00	999.0
1.200	999.00	999.00	999.00	999.00	0.00	999.0
1.300	999.00	999.00	999.00	999.00	0.00	999.0
1.400	999.00	999.00	999.00	999.00	0.00	999.0
1.500	999.00	999.00	999.00	999.00	0.00	999.0
1.600	999.00	999.00	999.00	999.00	0.00	999.0
1.700	999.00	999.00	999.00	999.00	0.00	999.0
1.800	999.00	999.00	999.00	999.00	0.00	999.0
1.900	999.00	999.00	999.00	999.00	0.00	999.0
2.000	999.00	999.00	999.00	999.00	0.00	999.0
2.000	999.00	999.00	999.00	999.00	0.00	999.0
2.100	999.00	999.00	999.00	999.00	0.00	999.0
2.200	999.00	999.00	999.00	999.00	0.00	999.0
2.300	999.00	999.00	999.00	999.00	0.00	999.0
2.400	999.00	999.00	999.00	999.00	0.00	999.0
2.500	999.00	999.00	999.00	999.00	0.00	999.0
2.600	999.00	999.00	999.00	999.00	0.00	999.0
2.700	999.00	999.00	999.00	999.00	0.00	999.0
2.800	999.00	999.00	999.00	999.00	0.00	999.0
2.900	999.00	999.00	999.00	999.00	0.00	999.0
3.000	999.00	999.00	999.00	999.00	0.00	999.0
3.000	999.00	999.00	999.00	999.00	0.00	999.0
3.100	999.00	999.00	999.00	999.00	0.00	999.0
3.200	999.00	999.00	999.00	999.00	0.00	999.0
3.300	999.00	999.00	999.00	999.00	0.00	999.0
3.400	999.00	999.00	999.00	999.00	0.00	999.0
3.500	999.00	999.00	999.00	999.00	0.00	999.0
3.600	999.00	999.00	999.00	999.00	0.00	999.0
3.700	999.00	999.00	999.00	999.00	0.00	999.0
3.800	999.00	999.00	999.00	999.00	0.00	999.0
3.900	999.00	999.00	999.00	999.00	0.00	999.0
4.000	999.00	999.00	999.00	999.00	0.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.

Rating Live Load: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
4.000	999.00	999.00	999.00	999.00	0.00	999.0
4.100	999.00	999.00	999.00	999.00	0.00	999.0
4.200	999.00	999.00	999.00	999.00	0.00	999.0
4.300	999.00	999.00	999.00	999.00	0.00	999.0
4.400	999.00	999.00	999.00	999.00	0.00	999.0
4.500	999.00	999.00	999.00	999.00	0.00	999.0
4.600	999.00	999.00	999.00	999.00	0.00	999.0
4.700	999.00	999.00	999.00	999.00	0.00	999.0
4.800	999.00	999.00	999.00	999.00	0.00	999.0
4.900	999.00	999.00	999.00	999.00	0.00	999.0
5.000	999.00	999.00	999.00	999.00	0.00	999.0
5.000	999.00	999.00	999.00	999.00	0.00	999.0
5.100	999.00	999.00	999.00	999.00	0.00	999.0
5.200	999.00	999.00	999.00	999.00	0.00	999.0
5.300	999.00	999.00	999.00	999.00	0.00	999.0
5.400	999.00	999.00	999.00	999.00	0.00	999.0
5.500	999.00	999.00	999.00	999.00	0.00	999.0
5.600	999.00	999.00	999.00	999.00	0.00	999.0
5.700	999.00	999.00	999.00	999.00	0.00	999.0
5.800	999.00	999.00	999.00	999.00	0.00	999.0
5.900	999.00	999.00	999.00	999.00	0.00	999.0
6.000	999.00	999.00	999.00	999.00	0.00	999.0
6.000	999.00	999.00	999.00	999.00	0.00	999.0
6.100	999.00	999.00	999.00	999.00	0.00	999.0
6.200	999.00	999.00	999.00	999.00	0.00	999.0
6.300	999.00	999.00	999.00	999.00	0.00	999.0
6.400	999.00	999.00	999.00	999.00	0.00	999.0
6.500	999.00	999.00	999.00	999.00	0.00	999.0
6.600	999.00	999.00	999.00	999.00	0.00	999.0
6.700	999.00	999.00	999.00	999.00	0.00	999.0
6.800	999.00	999.00	999.00	999.00	0.00	999.0
6.900	999.00	999.00	999.00	999.00	0.00	999.0
7.000	999.00	999.00	999.00	999.00	0.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S01

Rating Type: OPER.
Rating Live Load: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
7.000	999.00	999.00	999.00	999.00	0.00	999.0
7.100	999.00	999.00	999.00	999.00	0.00	999.0
7.200	999.00	999.00	999.00	999.00	0.00	999.0
7.300	999.00	999.00	999.00	999.00	0.00	999.0
7.400	999.00	999.00	999.00	999.00	0.00	999.0
7.500	999.00	999.00	999.00	999.00	0.00	999.0
7.600	999.00	999.00	999.00	999.00	0.00	999.0
7.700	999.00	999.00	999.00	999.00	0.00	999.0
7.800	999.00	999.00	999.00	999.00	0.00	999.0
7.900	999.00	999.00	999.00	999.00	0.00	999.0
8.000	999.00	999.00	999.00	999.00	0.00	999.0
8.000	999.00	999.00	999.00	999.00	0.00	999.0
8.100	999.00	999.00	999.00	999.00	0.00	999.0
8.200	999.00	999.00	999.00	999.00	0.00	999.0
8.300	999.00	999.00	999.00	999.00	0.00	999.0
8.400	999.00	999.00	999.00	999.00	0.00	999.0
8.500	999.00	999.00	999.00	999.00	0.00	999.0
8.600	999.00	999.00	999.00	999.00	0.00	999.0
8.700	999.00	999.00	999.00	999.00	0.00	999.0
8.800	999.00	999.00	999.00	999.00	0.00	999.0
8.900	999.00	999.00	999.00	999.00	0.00	999.0
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 0.143

Second Live Load Dist. Factor 0.143

Comments:

Member I. D. S02 Symmetry:

Span Length:	Span 1 23.917	Span 2 23.917	Span 3 23.917	Span 4 23.917	Span 5 23.917
	Span 6 23.917	Span 7 23.917	Span 8 23.917	Span 9 0.000	Span 10 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) Left	Distributed Load (lbs/ft) Right	Length	Concentrated Load (kips)
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 (in.)	Web Depth (in.)	Web Thk. (in.)	Effective Width (in.)	Slab Thk. (in.)	Fy (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 Top	Axis Bott.	Moment of +Bend	Inertia -Bend	Section Modulus			
							+Bend Top	Bott.	-Bend 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 Top	Axis Bott.	Moment of +Bend	Inertia -Bend	Section Modulus			
							+Bend Top	Bott.	-Bend 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. 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 Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R 0.00	0.00 0.00
1.100	1.2	12.3	7.76 L 4.90	5.97 3.77
1.200	2.1	21.0	12.57 L 8.35	9.67 6.43
1.300	2.6	26.2	14.75 L 10.62	11.35 8.17
1.400	2.8	27.9	14.74 L 11.53	11.34 8.87
1.500	2.6	26.1	14.21 L 11.40	10.93 8.77
1.600	2.0	20.5	12.93 L 10.14	9.95 7.80
1.700	1.1	11.3	11.12 L 8.09	8.55 6.23
1.800	-0.2	-1.4	6.94 L 5.28	5.33 4.07
1.900	-1.8	-17.6	-6.74 R -6.79	-5.18 -5.23
2.000	-3.8	-37.3	-12.62 L -11.35	-9.71 -8.73
2.000	-3.8	-37.3	-12.62 L -11.35	-9.71 -8.73
2.100	-2.1	-20.3	-8.47 R -7.03	-6.51 -5.41
2.200	-0.7	-6.8	7.44 R 5.12	5.72 3.94
2.300	0.3	3.1	10.48 R 7.62	8.06 5.86
2.400	0.9	9.5	11.59 R 9.09	8.91 6.99
2.500	1.2	12.5	11.10 L 9.67	8.54 7.44
2.600	1.1	11.5	11.38 L 9.11	8.75 7.01
2.700	0.7	7.1	10.20 L 7.68	7.85 5.91
2.800	-0.1	-0.8	7.06 L 5.36	5.43 4.12
2.900	-1.3	-12.3	-6.83 L -6.33	-5.25 -4.87
3.000	-2.8	-27.3	-11.93 L -10.58	-9.18 -8.14
3.000	-2.8	-27.3	-11.93 L -10.58	-9.18 -8.14
3.100	-1.2	-11.6	-6.96 R -6.30	-5.35 -4.85
3.200	0.0	0.6	7.09 R 5.38	5.45 4.14
3.300	0.9	9.3	10.20 R 7.78	7.85 5.98
3.400	1.4	14.5	11.40 R 9.21	8.77 7.09
3.500	1.6	16.1	11.00 L 9.77	8.46 7.51
3.600	1.4	13.9	11.38 L 9.18	8.75 7.06
3.700	0.8	8.2	10.18 L 7.72	7.83 5.94
3.800	-0.1	-1.0	7.06 L 5.35	5.43 4.12
3.900	-1.4	-13.8	-6.84 L -6.39	-5.26 -4.91
4.000	-3.0	-30.0	-11.89 L -10.70	-9.14 -8.23

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 Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-30.0	-11.89 L -10.70	-9.14 -8.23
4.100	-1.4	-13.9	-6.85 R -6.40	-5.27 -4.92
4.200	-0.2	-1.4	7.06 R 5.28	5.43 4.06
4.300	0.7	7.7	10.19 R 7.69	7.83 5.92
4.400	1.3	13.2	11.38 R 9.14	8.76 7.03
4.500	1.5	15.2	10.99 L 9.72	8.45 7.48
4.600	1.3	13.4	11.38 L 9.15	8.76 7.04
4.700	0.8	8.0	10.18 L 7.71	7.83 5.93
4.800	-0.1	-0.8	7.06 L 5.36	5.43 4.12
4.900	-1.3	-13.2	-6.84 L -6.36	-5.26 -4.89
5.000	-2.9	-29.1	-11.88 R -10.65	-9.14 -8.19
5.000	-2.9	-29.1	-11.88 R -10.65	-9.14 -8.19
5.100	-1.3	-13.2	-6.84 R -6.36	-5.26 -4.89
5.200	-0.1	-0.8	7.06 R 5.30	5.43 4.08
5.300	0.8	8.0	10.18 R 7.71	7.83 5.93
5.400	1.3	13.4	11.38 R 9.15	8.76 7.04
5.500	1.5	15.2	10.99 R 9.72	8.45 7.48
5.600	1.3	13.2	11.38 L 9.14	8.76 7.03
5.700	0.7	7.7	10.19 L 7.69	7.83 5.92
5.800	-0.2	-1.4	7.06 L 5.33	5.43 4.10
5.900	-1.4	-13.9	-6.85 L -6.40	-5.27 -4.92
6.000	-3.0	-30.0	-11.88 L -10.70	-9.14 -8.23
6.000	-3.0	-30.0	-11.88 L -10.70	-9.14 -8.23
6.100	-1.4	-13.8	-6.84 R -6.39	-5.26 -4.91
6.200	-0.1	-1.0	7.06 R 5.29	5.43 4.07
6.300	0.8	8.2	10.18 R 7.72	7.83 5.94
6.400	1.4	13.9	11.38 R 9.18	8.75 7.06
6.500	1.6	16.1	11.00 R 9.77	8.46 7.51
6.600	1.4	14.5	11.40 L 9.21	8.77 7.09
6.700	0.9	9.3	10.20 L 7.78	7.85 5.98
6.800	0.0	0.6	7.09 L 5.44	5.45 4.18
6.900	-1.2	-11.6	-6.96 L -6.30	-5.35 -4.85
7.000	-2.8	-27.3	-11.92 L -10.58	-9.17 -8.14

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 Truck	w/impact Lane	Live Load Truck	w/o impact Lane
7.000	-2.8	-27.3	-11.92 L	-10.58	-9.17	-8.14
7.100	-1.3	-12.3	-6.83 R	-6.33	-5.25	-4.87
7.200	-0.1	-0.8	7.06 R	5.30	5.43	4.08
7.300	0.7	7.1	10.20 R	7.68	7.85	5.91
7.400	1.1	11.5	11.38 R	9.11	8.75	7.01
7.500	1.2	12.5	11.10 R	9.67	8.54	7.44
7.600	0.9	9.5	11.59 L	9.09	8.91	6.99
7.700	0.3	3.1	10.48 L	7.62	8.06	5.86
7.800	-0.7	-6.8	7.44 L	5.12	5.72	3.94
7.900	-2.1	-20.3	-8.47 L	-7.03	-6.51	-5.41
8.000	-3.8	-37.3	-12.62 R	-11.35	-9.71	-8.73
8.000	-3.8	-37.3	-12.62 R	-11.35	-9.71	-8.73
8.100	-1.8	-17.6	-6.74 L	-6.80	-5.18	-5.23
8.200	-0.2	-1.4	6.94 R	5.23	5.33	4.02
8.300	1.1	11.3	11.12 R	8.09	8.55	6.23
8.400	2.0	20.5	12.93 R	10.14	9.95	7.80
8.500	2.6	26.1	14.21 R	11.40	10.93	8.77
8.600	2.8	27.9	14.74 R	11.53	11.34	8.87
8.700	2.6	26.2	14.75 R	10.62	11.35	8.17
8.800	2.1	21.0	12.57 R	8.35	9.67	6.43
8.900	1.2	12.3	7.76 R	4.90	5.97	3.77
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. S02

Rating Type: INV.
Rating Live Load: HS20

Span ng	Positive		Moment Capacity Bending		Negative Bending		Available Capacity for LL+I Positive Bending		Negative Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	180.4C	161.2	-161.2	-180.4C	180.4	161.2	-161.2	-180.		
1.100	180.4C	161.2	-161.2	-180.4C	172.3	153.1	-169.3	-188.		
1.200	180.4C	161.2	-161.2	-180.4C	166.5	147.3	-175.0	-194.		
1.300	180.4C	161.2	-161.2	-180.4C	163.1	143.9	-178.5	-197.		
1.400	180.4C	161.2	-161.2	-180.4C	162.0	142.8	-179.6	-198.		
1.500	180.4C	161.2	-161.2	-180.4C	163.2	144.0	-178.4	-197.		
1.600	180.4C	161.2	-161.2	-180.4C	166.9	147.7	-174.7	-193.		
1.700	180.4C	161.2	-161.2	-180.4C	172.9	153.8	-168.6	-187.		
1.800	180.4C	161.2	-161.2	-180.4C	181.3	162.1	-160.3	-179.		
1.900	180.4C	161.2	-161.2	-180.4C	192.0	172.8	-149.6	-168.		
2.000	180.4C	161.2	-161.2	-180.4C	205.0	185.8	-136.6	-155.		
2.000	180.4C	161.2	-161.2	-180.4C	205.0	185.8	-136.6	-155.		
2.100	180.4C	161.2	-161.2	-180.4C	193.8	174.6	-147.8	-167.		
2.200	180.4C	161.2	-161.2	-180.4C	184.9	165.7	-156.7	-175.		
2.300	180.4C	161.2	-161.2	-180.4C	178.4	159.2	-163.2	-182.		
2.400	180.4C	161.2	-161.2	-180.4C	174.1	154.9	-167.5	-186.		
2.500	180.4C	161.2	-161.2	-180.4C	172.2	153.0	-169.4	-188.		
2.600	180.4C	161.2	-161.2	-180.4C	172.8	153.6	-168.8	-188.		
2.700	180.4C	161.2	-161.2	-180.4C	175.7	156.5	-165.9	-185.		
2.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.		
2.900	180.4C	161.2	-161.2	-180.4C	188.5	169.3	-153.1	-172.		

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.

MOMENT CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
		Bott.	Top		Bott.	Top	Bott.	Top	Bott
6 2 5 4 1 4 2 7 8 6 2	4.000	180.4C	161.2	-161.2	-180.4C	200.2	181.0	-141.4	-160.
	4.100	180.4C	161.2	-161.2	-180.4C	189.6	170.4	-152.0	-171.
	4.200	180.4C	161.2	-161.2	-180.4C	181.3	162.1	-160.3	-179.
	4.300	180.4C	161.2	-161.2	-180.4C	175.3	156.2	-166.2	-185.
	4.400	180.4C	161.2	-161.2	-180.4C	171.7	152.5	-169.9	-189.
	4.500	180.4C	161.2	-161.2	-180.4C	170.4	151.2	-171.2	-190.
	4.600	180.4C	161.2	-161.2	-180.4C	171.6	152.4	-170.0	-189.
	4.700	180.4C	161.2	-161.2	-180.4C	175.1	155.9	-166.5	-185.
	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	189.1	169.9	-152.5	-171.
2 2 6 8 7 2 4 1 4 5 2	5.000	180.4C	161.2	-161.2	-180.4C	199.6	180.4	-142.0	-161.
	5.100	180.4C	161.2	-161.2	-180.4C	189.1	169.9	-152.5	-171.
	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	175.1	155.9	-166.5	-185.
	5.400	180.4C	161.2	-161.2	-180.4C	171.6	152.4	-170.0	-189.
	5.500	180.4C	161.2	-161.2	-180.4C	170.4	151.2	-171.2	-190.
	5.600	180.4C	161.2	-161.2	-180.4C	171.7	152.5	-169.9	-189.
	5.700	180.4C	161.2	-161.2	-180.4C	175.3	156.2	-166.2	-185.
	5.800	180.4C	161.2	-161.2	-180.4C	181.3	162.1	-160.3	-179.
	5.900	180.4C	161.2	-161.2	-180.4C	189.6	170.4	-152.0	-171.

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 .	Positive Top	Moment	Capacity	Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Bending	Positive	Bending	Negative	Bendi
		Bott.	Top		Bott.	Top	Bott.	Top	Bott
4 2 8 1 0 6 7 4 8 0 7	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.
7 7 8 5 8 9 6 8 7 2 5	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	top fiber +bend	Rating Factor -bend	bottom fiber +bend	Rating Value -bend	Rating Value	Load Capacity (tons)
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	22.19	260.41	19.72	289.93	HS 394.40	709.9
1.200	13.25	134.64	11.72	149.40	HS 234.48	422.1
1.300	11.06	91.52	9.76	101.36	HS 195.13	351.2
1.400	10.99	69.07	9.69	76.45	HS 193.77	348.8
1.500	11.48	54.89	10.13	60.79	HS 202.65	364.8
1.600	12.91	44.78	11.42	49.71	HS 228.44	411.2
1.700	15.55	37.06	13.83	41.28	HS 276.55	497.8
1.800	26.14	30.82	23.38	34.51	HS 467.51	841.5
1.900	74.55	22.01	67.10	24.84	HS 440.27	792.5
2.000	117.70	10.82	106.69	12.34	HS 216.33	389.4
2.000	117.70	10.82	106.69	12.34	HS 216.33	389.4
2.100	72.42	17.45	65.25	19.72	HS 349.07	628.3
2.200	24.86	22.39	22.28	25.13	HS 445.63	802.1
2.300	17.01	28.10	15.18	31.40	HS 303.67	546.6
2.400	15.02	36.24	13.37	40.40	HS 267.35	481.2
2.500	15.52	49.36	13.79	54.95	HS 275.79	496.4
2.600	15.19	48.45	13.50	53.96	HS 270.02	486.0
2.700	17.23	38.09	15.35	42.50	HS 306.94	552.5
2.800	25.63	30.74	22.92	34.41	HS 458.29	824.9
2.900	62.44	22.41	56.08	25.22	HS 448.16	806.7
3.000	78.98	11.99	71.34	13.60	HS 239.91	431.8
3.000	78.98	11.99	71.34	13.60	HS 239.91	431.8
3.100	60.33	22.07	54.17	24.83	HS 441.47	794.6
3.200	25.39	30.64	22.68	34.28	HS 453.62	816.5
3.300	17.08	38.22	15.20	42.60	HS 303.92	547.1
3.400	14.99	49.03	13.31	54.54	HS 266.17	479.1
3.500	15.44	64.99	13.70	72.25	HS 273.92	493.1
3.600	15.04	49.32	13.36	54.88	HS 267.16	480.9
3.700	17.18	38.38	15.30	42.80	HS 305.94	550.7
3.800	25.64	30.70	22.92	34.38	HS 458.43	825.2
3.900	63.95	22.24	57.47	25.05	HS 444.83	800.7
4.000	103.65	11.89	93.72	13.51	HS 237.87	428.2

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

INV.

Rating Live Load:

HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	bottom fiber -bend		
4.000	103.65	11.89	93.72	13.51	HS 237.87	428.2
4.100	63.11	22.19	56.72	25.00	HS 443.90	799.0
4.200	25.67	30.64	22.95	34.31	HS 458.97	826.1
4.300	17.22	38.28	15.33	42.70	HS 306.64	551.9
4.400	15.09	49.19	13.40	54.74	HS 267.97	482.4
4.500	15.51	64.13	13.76	71.32	HS 275.19	495.3
4.600	15.07	49.25	13.39	54.81	HS 267.79	482.0
4.700	17.19	38.36	15.31	42.78	HS 306.21	551.2
4.800	25.62	30.73	22.90	34.40	HS 458.07	824.5
4.900	63.25	22.29	56.83	25.10	HS 445.82	802.5
5.000	101.67	11.95	91.90	13.56	HS 238.95	430.1
5.000	101.67	11.95	91.90	13.56	HS 238.95	430.1
5.100	62.22	22.29	55.91	25.10	HS 445.81	802.5
5.200	25.62	30.73	22.90	34.40	HS 458.07	824.5
5.300	17.19	38.36	15.31	42.78	HS 306.21	551.2
5.400	15.07	49.25	13.39	54.81	HS 267.79	482.0
5.500	15.51	64.13	13.76	71.32	HS 275.19	495.3
5.600	15.09	49.19	13.40	54.74	HS 267.97	482.4
5.700	17.22	38.28	15.33	42.70	HS 306.64	551.9
5.800	25.67	30.64	22.95	34.31	HS 458.97	826.1
5.900	64.16	22.19	57.67	25.00	HS 443.90	799.0
6.000	103.66	11.90	93.72	13.51	HS 237.89	428.2
6.000	103.66	11.90	93.72	13.51	HS 237.89	428.2
6.100	62.91	22.24	56.54	25.05	HS 444.83	800.7
6.200	25.64	30.70	22.92	34.38	HS 458.43	825.2
6.300	17.18	38.38	15.30	42.80	HS 305.94	550.7
6.400	15.04	49.32	13.36	54.88	HS 267.16	480.9
6.500	15.44	64.99	13.70	72.25	HS 273.92	493.1
6.600	14.99	49.03	13.31	54.54	HS 266.17	479.1
6.700	17.08	38.22	15.20	42.60	HS 303.92	547.1
6.800	25.39	30.64	22.68	34.28	HS 453.62	816.5
6.900	61.30	22.07	55.04	24.83	HS 441.47	794.6
7.000	78.98	12.01	71.34	13.62	HS 240.20	432.4

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	-bend		
7.000	78.98	12.01	71.34	13.62	HS 240.20	432.4
7.100	61.44	22.41	55.18	25.22	HS 448.16	806.7
7.200	25.63	30.74	22.91	34.41	HS 458.29	824.9
7.300	17.23	38.09	15.35	42.50	HS 306.94	552.5
7.400	15.19	48.45	13.50	53.96	HS 270.02	486.0
7.500	15.52	49.36	13.79	54.95	HS 275.79	496.4
7.600	15.02	36.24	13.37	40.40	HS 267.35	481.2
7.700	17.01	28.10	15.18	31.40	HS 303.67	546.6
7.800	24.86	22.39	22.28	25.13	HS 445.63	802.1
7.900	73.79	17.45	66.48	19.72	HS 349.07	628.3
8.000	117.70	10.82	106.68	12.34	HS 216.41	389.5
8.000	117.70	10.82	106.68	12.34	HS 216.41	389.5
8.100	73.14	22.00	65.83	24.83	HS 440.11	792.2
8.200	26.14	30.82	23.38	34.51	HS 467.51	841.5
8.300	15.55	37.06	13.83	41.28	HS 276.55	497.8
8.400	12.91	44.78	11.42	49.70	HS 228.44	411.2
8.500	11.48	54.88	10.13	60.79	HS 202.65	364.8
8.600	10.99	69.07	9.69	76.45	HS 193.77	348.8
8.700	11.06	91.52	9.76	101.36	HS 195.13	351.2
8.800	13.25	134.64	11.72	149.40	HS 234.48	422.1
8.900	22.19	260.41	19.72	289.93	HS 394.40	709.9
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 Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
1.000	0.6	5.9	3.90	3.05	3.00	2.35
1.100	0.4	4.4	3.25	2.61	2.50	2.01
1.200	0.3	2.9	2.63	2.20	2.02	1.69
1.300	0.1	1.5	2.06	1.80	1.58	1.39
1.400	0.0	-0.1	1.54	1.44	1.18	1.11
1.500	-0.2	-1.5	-1.92	-1.75	-1.48	-1.34
1.600	-0.3	-3.1	-2.29	-2.09	-1.77	-1.60
1.700	-0.5	-4.6	-2.85	-2.42	-2.19	-1.86
1.800	-0.6	-6.0	-3.47	-2.73	-2.67	-2.10
1.900	-0.8	-7.5	-4.03	-3.03	-3.10	-2.33
2.000	-0.9	-9.0	-4.53	-3.30	-3.48	-2.54
2.000	0.8	-9.0	4.19	3.27	3.22	2.51
2.100	0.6	6.4	3.67	2.94	2.83	2.27
2.200	0.5	4.9	3.09	2.59	2.38	2.00
2.300	0.3	3.4	2.57	2.23	1.97	1.71
2.400	0.2	2.0	2.14	1.86	1.65	1.43
2.500	0.0	0.5	1.69	1.50	1.30	1.15
2.600	-0.1	-1.1	-2.13	-1.85	-1.64	-1.43
2.700	-0.3	-2.6	-2.55	-2.22	-1.96	-1.71
2.800	-0.4	-4.1	-3.13	-2.58	-2.40	-1.99
2.900	-0.6	-5.5	-3.71	-2.92	-2.85	-2.25
3.000	-0.7	-7.0	-4.25	-3.24	-3.27	-2.49
3.000	0.7	7.3	4.23	3.25	3.25	2.50
3.100	0.6	5.8	3.68	2.94	2.83	2.26
3.200	0.4	4.4	3.10	2.59	2.38	1.99
3.300	0.3	2.9	2.54	2.23	1.96	1.71
3.400	0.1	1.4	2.12	1.86	1.63	1.43
3.500	0.0	-0.1	1.68	-1.51	1.29	-1.16
3.600	-0.2	-1.6	-2.12	-1.87	-1.63	-1.44
3.700	-0.3	-3.1	-2.54	-2.24	-1.95	-1.72
3.800	-0.5	-4.6	-3.10	-2.60	-2.39	-2.00
3.900	-0.6	-6.1	-3.68	-2.95	-2.83	-2.27
4.000	-0.8	-7.5	-4.23	-3.26	-3.25	-2.51

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck	Live Load w/impact Lane	Live Load w/o impact Truck	Live Load w/o impact Lane
4.000	0.7	-7.5	4.23	3.26	3.25	2.51
4.100	0.6	6.0	3.68	2.94	2.83	2.27
4.200	0.5	4.5	3.10	2.60	2.38	2.00
4.300	0.3	3.0	2.54	2.23	1.95	1.72
4.400	0.2	1.6	2.12	1.87	1.63	1.43
4.500	0.0	0.1	1.67	1.50	1.29	1.16
4.600	-0.1	-1.5	-2.12	-1.86	-1.63	-1.43
4.700	-0.3	-3.0	-2.54	-2.23	-1.95	-1.72
4.800	-0.4	-4.4	-3.10	-2.60	-2.38	-2.00
4.900	-0.6	-5.9	-3.68	-2.94	-2.83	-2.26
5.000	-0.7	-7.4	-4.23	-3.26	-3.25	-2.50
5.000	0.7	7.4	4.23	3.26	3.25	2.50
5.100	0.6	5.9	3.68	2.94	2.83	2.26
5.200	0.4	4.4	3.10	2.60	2.38	2.00
5.300	0.3	3.0	2.54	2.23	1.95	1.72
5.400	0.1	1.5	2.12	1.86	1.63	1.43
5.500	0.0	0.1	1.67	1.50	1.29	-1.16
5.600	-0.2	-1.6	-2.12	-1.87	-1.63	-1.43
5.700	-0.3	-3.0	-2.54	-2.23	-1.95	-1.72
5.800	-0.5	-4.5	-3.10	-2.60	-2.38	-2.00
5.900	-0.6	-6.0	-3.68	-2.94	-2.83	-2.27
6.000	-0.7	-7.5	-4.23	-3.26	-3.25	-2.51
6.000	0.8	7.5	4.23	3.26	3.25	2.51
6.100	0.6	6.1	3.68	2.95	2.83	2.27
6.200	0.5	4.6	3.10	2.60	2.39	2.00
6.300	0.3	3.1	2.54	2.24	1.95	1.72
6.400	0.2	1.6	2.12	1.87	1.63	1.44
6.500	0.0	0.2	1.68	1.51	1.29	1.16
6.600	-0.1	-1.4	-2.12	-1.86	-1.63	-1.43
6.700	-0.3	-2.9	-2.54	-2.23	-1.96	-1.71
6.800	-0.4	-4.4	-3.10	-2.59	-2.38	-1.99
6.900	-0.6	-5.8	-3.68	-2.94	-2.83	-2.26
7.000	-0.7	-7.3	-4.23	-3.25	-3.25	-2.50

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
7.000	0.7	-7.3	4.25	3.24	3.27	2.49
7.100	0.6	5.5	3.71	2.92	2.85	2.25
7.200	0.4	4.1	3.13	2.58	2.40	1.99
7.300	0.3	2.6	2.55	2.22	1.96	1.71
7.400	0.1	1.1	2.13	1.85	1.64	1.43
7.500	0.0	-0.4	1.69	-1.50	1.30	1.15
7.600	-0.2	-2.0	-2.14	-1.86	-1.65	-1.43
7.700	-0.3	-3.4	-2.57	-2.23	-1.97	-1.71
7.800	-0.5	-4.9	-3.09	-2.59	-2.38	-2.00
7.900	-0.6	-6.4	-3.67	-2.94	-2.83	-2.27
8.000	-0.8	-7.8	-4.23	-3.27	-3.25	-2.51
8.000	0.9	9.0	4.53	3.30	3.48	2.54
8.100	0.8	7.5	4.03	3.03	3.10	2.33
8.200	0.6	6.0	3.47	2.73	2.67	2.10
8.300	0.5	4.6	2.85	2.42	2.19	1.86
8.400	0.3	3.1	2.29	2.09	1.77	1.60
8.500	0.2	1.6	1.92	1.75	1.48	1.34
8.600	0.0	0.1	-1.54	-1.44	-1.18	-1.11
8.700	-0.1	-1.5	-2.06	-1.80	-1.58	-1.39
8.800	-0.3	-2.9	-2.63	-2.20	-2.02	-1.69
8.900	-0.4	-4.4	-3.25	-2.61	-2.50	-2.01
9.000	-0.6	-5.9	-3.90	-3.05	-3.00	-2.35

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	277.57	16.90	HS 337.99	608.4
1.100	186.51	20.62	HS 412.33	742.2
1.200	95.93	25.84	HS 516.86	930.4
1.300	63.77	33.51	HS 999.00	999.0
1.400	47.08	45.34	HS 999.00	999.0
1.500	35.80	59.58	HS 999.00	999.0
1.600	29.53	86.72	HS 999.00	999.0
1.700	23.42	131.64	HS 468.43	843.2
1.800	18.98	221.62	HS 379.66	683.4
1.900	16.10	482.82	HS 321.97	579.6
2.000	14.11	999.00	HS 282.24	508.0
2.000	14.11	15.43	HS 282.24	508.0
2.100	204.93	17.86	HS 357.14	642.9
2.200	136.06	21.57	HS 431.34	776.4
2.300	87.47	26.34	HS 526.74	948.1
2.400	59.53	31.99	HS 999.00	999.0
2.500	41.45	41.20	HS 999.00	999.0
2.600	32.45	60.13	HS 999.00	999.0
2.700	26.70	85.26	HS 534.06	961.3
2.800	21.48	129.39	HS 429.60	773.3
2.900	17.86	147.82	HS 357.11	642.8
3.000	15.34	141.32	HS 306.85	552.3
3.000	15.34	15.37	HS 306.85	552.3
3.100	184.21	17.92	HS 358.49	645.3
3.200	130.67	21.60	HS 432.09	777.8
3.300	85.41	26.72	HS 534.44	962.0
3.400	60.28	32.53	HS 999.00	999.0
3.500	41.65	41.71	HS 999.00	999.0
3.600	32.47	60.49	HS 999.00	999.0
3.700	26.67	86.92	HS 533.47	960.2
3.800	21.54	133.88	HS 430.73	775.3
3.900	17.87	187.49	HS 357.45	643.4
4.000	15.33	180.88	HS 306.63	551.9

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	15.33	15.35	HS 306.63	551.9
4.100	187.45	17.90	HS 357.90	644.2
4.200	132.71	21.57	HS 431.33	776.4
4.300	86.36	26.70	HS 534.01	961.2
4.400	60.44	32.51	HS 999.00	999.0
4.500	41.74	41.67	HS 999.00	999.0
4.600	32.53	60.41	HS 999.00	999.0
4.700	26.72	85.93	HS 534.42	962.0
4.800	21.58	131.75	HS 431.63	776.9
4.900	17.91	185.44	HS 358.16	644.7
5.000	15.36	179.10	HS 307.21	553.0
5.000	15.36	15.36	HS 307.21	553.0
5.100	185.44	17.91	HS 358.16	644.7
5.200	131.75	21.58	HS 431.63	776.9
5.300	85.93	26.72	HS 534.42	962.0
5.400	60.41	32.53	HS 999.00	999.0
5.500	41.71	41.69	HS 999.00	999.0
5.600	32.51	60.44	HS 999.00	999.0
5.700	26.70	86.36	HS 534.01	961.2
5.800	21.57	132.71	HS 431.33	776.4
5.900	17.90	187.44	HS 357.90	644.2
6.000	15.35	180.95	HS 306.98	552.6
6.000	15.35	15.33	HS 306.64	551.9
6.100	187.49	17.87	HS 357.45	643.4
6.200	133.88	21.54	HS 430.73	775.3
6.300	86.92	26.67	HS 533.47	960.2
6.400	60.49	32.47	HS 999.00	999.0
6.500	41.75	41.60	HS 999.00	999.0
6.600	32.53	60.28	HS 999.00	999.0
6.700	26.72	85.41	HS 534.44	962.0
6.800	21.60	130.67	HS 432.09	777.8
6.900	17.92	184.20	HS 358.49	645.3
7.000	15.37	178.01	HS 307.45	553.4

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	15.37	15.34	HS 306.85	552.3
7.100	154.82	17.86	HS 357.11	642.8
7.200	129.39	21.48	HS 429.60	773.3
7.300	85.26	26.70	HS 534.06	961.3
7.400	60.13	32.45	HS 999.00	999.0
7.500	41.25	41.41	HS 999.00	999.0
7.600	31.99	59.53	HS 999.00	999.0
7.700	26.34	87.47	HS 526.74	948.1
7.800	21.57	136.06	HS 431.34	776.4
7.900	17.86	203.28	HS 357.14	642.8
8.000	15.28	193.04	HS 305.61	550.1
8.000	15.28	14.11	HS 282.24	508.0
8.100	482.82	16.10	HS 321.97	579.6
8.200	221.62	18.98	HS 379.66	683.4
8.300	131.64	23.42	HS 468.43	843.2
8.400	86.72	29.53	HS 999.00	999.0
8.500	59.64	35.76	HS 999.00	999.0
8.600	45.34	47.08	HS 999.00	999.0
8.700	33.51	63.77	HS 999.00	999.0
8.800	25.84	95.93	HS 516.86	930.4
8.900	20.62	186.51	HS 412.33	742.2
9.000	16.90	264.33	HS 337.99	608.4

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

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	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
4.000	154.4	154.4	-180.9	-180.9	187.5	187.5	-147.8	-1
47.8								
4.100	161.5	161.5	-173.8	-173.8	176.9	176.9	-158.4	-1
58.4								
4.200	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.7	-1
66.7								
4.300	171.0	171.0	-164.3	-164.3	162.6	162.6	-172.7	-1
72.7								
4.400	173.4	173.4	-161.9	-161.9	159.0	159.0	-176.3	-1
76.3								
4.500	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
77.6								
4.600	173.5	173.5	-161.8	-161.8	158.8	158.8	-176.4	-1
76.4								
4.700	171.2	171.2	-164.1	-164.1	162.4	162.4	-172.9	-1
72.9								
4.800	167.3	167.3	-168.0	-168.0	168.2	168.2	-167.1	-1
67.1								
4.900	161.8	161.8	-173.5	-173.5	176.4	176.4	-158.9	-1
58.9								
5.000	154.8	154.8	-180.5	-180.5	186.9	186.9	-148.4	-1
48.4								
5.000	154.8	154.8	-180.5	-180.5	186.9	186.9	-148.4	-1
48.4								
5.100	161.8	161.8	-173.5	-173.5	176.4	176.4	-158.9	-1
58.9								
5.200	167.3	167.3	-168.0	-168.0	168.2	168.2	-167.1	-1
67.1								
5.300	171.2	171.2	-164.1	-164.1	162.4	162.4	-172.9	-1
72.9								
5.400	173.5	173.5	-161.8	-161.8	158.8	158.8	-176.4	-1
76.4								
5.500	174.3	174.3	-161.0	-161.0	157.6	157.6	-177.6	-1
77.6								
5.600	173.4	173.4	-161.9	-161.9	159.0	159.0	-176.3	-1
76.3								
5.700	171.0	171.0	-164.3	-164.3	162.6	162.6	-172.7	-1
72.7								
5.800	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.7	-1
66.7								
5.900	161.5	161.5	-173.8	-173.8	176.9	176.9	-158.4	-1
58.4								

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

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	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
7.000	155.6	155.6	-179.7	-179.7	185.7	185.7	-149.6	-1
49.6								
7.100	162.2	162.2	-173.1	-173.1	175.8	175.8	-159.5	-1
59.5								
7.200	167.3	167.3	-168.0	-168.0	168.2	168.2	-167.1	-1
67.1								
7.300	170.8	170.8	-164.5	-164.5	163.0	163.0	-172.3	-1
72.3								
7.400	172.7	172.7	-162.6	-162.6	160.0	160.0	-175.2	-1
75.2								
7.500	173.1	173.1	-162.2	-162.2	159.5	159.5	-175.8	-1
75.8								
7.600	171.8	171.8	-163.5	-163.5	161.4	161.4	-173.9	-1
73.9								
7.700	169.0	169.0	-166.3	-166.3	165.6	165.6	-169.7	-1
69.7								
7.800	164.6	164.6	-170.7	-170.7	172.2	172.2	-163.1	-1
63.1								
7.900	158.7	158.7	-176.6	-176.6	181.1	181.1	-154.2	-1
54.2								
8.000	151.2	151.2	-184.1	-184.1	192.3	192.3	-143.0	-1
43.0								
8.000	151.2	151.2	-184.1	-184.1	192.3	192.3	-143.0	-1
43.0								
8.100	159.9	159.9	-175.4	-175.4	179.3	179.3	-156.0	-1
56.0								
8.200	167.0	167.0	-168.3	-168.3	168.6	168.6	-166.7	-1
66.7								
8.300	172.6	172.6	-162.7	-162.7	160.2	160.2	-175.1	-1
75.1								
8.400	176.6	176.6	-158.7	-158.7	154.2	154.2	-181.1	-1
81.1								
8.500	179.1	179.1	-156.2	-156.2	150.4	150.4	-184.8	-1
84.8								
8.600	179.9	179.9	-155.4	-155.4	149.2	149.2	-186.1	-1
86.1								
8.700	179.2	179.2	-156.1	-156.1	150.3	150.3	-184.9	-1
84.9								
8.800	176.9	176.9	-158.4	-158.4	153.8	153.8	-181.5	-1
81.5								
8.900	173.0	173.0	-162.2	-162.2	159.6	159.6	-175.7	-1
75.7								

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

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	20.55	270.33	20.55	270.33	HS 411.01	739.8
1.200	12.24	139.60	12.24	139.60	HS 244.74	440.5
1.300	10.19	94.83	10.19	94.83	HS 203.88	367.0
1.400	10.13	71.55	10.13	71.55	HS 202.52	364.5
1.500	10.59	56.87	10.59	56.87	HS 211.73	381.1
1.600	11.92	46.44	11.92	46.44	HS 238.41	429.1
1.700	14.41	38.47	14.41	38.47	HS 288.14	518.7
1.800	24.31	32.06	24.31	32.06	HS 486.11	875.0
1.900	69.60	22.96	69.60	22.96	HS 459.25	826.6
2.000	110.39	11.33	110.39	11.33	HS 226.55	407.8
2.000	110.39	11.33	110.39	11.33	HS 226.55	407.8
2.100	67.65	18.22	67.65	18.22	HS 364.30	655.7
2.200	23.15	23.31	23.15	23.31	HS 462.96	833.3
2.300	15.80	29.21	15.80	29.21	HS 315.97	568.7
2.400	13.92	37.64	13.92	37.64	HS 278.48	501.3
2.500	14.37	51.24	14.37	51.24	HS 287.41	517.3
2.600	14.07	50.30	14.07	50.30	HS 281.36	506.4
2.700	15.98	39.57	15.98	39.57	HS 319.58	575.3
2.800	23.83	31.97	23.83	31.97	HS 476.56	857.8
2.900	58.22	23.35	58.22	23.35	HS 467.04	840.7
3.000	73.91	12.54	73.91	12.54	HS 250.71	451.3
3.000	73.91	12.54	73.91	12.54	HS 250.71	451.3
3.100	56.24	23.00	56.24	23.00	HS 460.01	828.0
3.200	23.59	31.86	23.59	31.86	HS 471.81	849.3
3.300	15.83	39.69	15.83	39.69	HS 316.55	569.8
3.400	13.87	50.88	13.87	50.88	HS 277.49	499.5
3.500	14.28	67.43	14.28	67.43	HS 285.65	514.2
3.600	13.93	51.19	13.93	51.19	HS 278.49	501.3
3.700	15.93	39.87	15.93	39.87	HS 318.61	573.5
3.800	23.83	31.94	23.83	31.94	HS 476.69	858.0
3.900	59.65	23.18	59.65	23.18	HS 463.69	834.6
4.000	97.06	12.44	97.06	12.44	HS 248.72	447.7

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.

Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
4.000	97.06	12.44	97.06	12.44	HS 248.72	447.7
4.100	58.87	23.14	58.87	23.14	HS 462.73	832.9
4.200	23.86	31.87	23.86	31.87	HS 477.22	859.0
4.300	15.97	39.77	15.97	39.77	HS 319.30	574.7
4.400	13.97	51.05	13.97	51.05	HS 279.30	502.7
4.500	14.35	66.54	14.35	66.54	HS 286.92	516.5
4.600	13.96	51.12	13.96	51.12	HS 279.12	502.4
4.700	15.94	39.85	15.94	39.85	HS 318.87	574.0
4.800	23.82	31.96	23.82	31.96	HS 476.33	857.4
4.900	58.99	23.23	58.99	23.23	HS 464.67	836.4
5.000	95.18	12.49	95.18	12.49	HS 249.80	449.6
5.000	95.18	12.49	95.18	12.49	HS 249.80	449.6
5.100	58.03	23.23	58.03	23.23	HS 464.67	836.4
5.200	23.82	31.96	23.82	31.96	HS 476.33	857.4
5.300	15.94	39.85	15.94	39.85	HS 318.87	574.0
5.400	13.96	51.12	13.96	51.12	HS 279.12	502.4
5.500	14.35	66.54	14.35	66.54	HS 286.92	516.5
5.600	13.97	51.05	13.97	51.05	HS 279.30	502.7
5.700	15.97	39.77	15.97	39.77	HS 319.30	574.7
5.800	23.86	31.87	23.86	31.87	HS 477.23	859.0
5.900	59.85	23.14	59.85	23.14	HS 462.73	832.9
6.000	97.06	12.44	97.06	12.44	HS 248.74	447.7
6.000	97.06	12.44	97.06	12.44	HS 248.74	447.7
6.100	58.68	23.18	58.68	23.18	HS 463.69	834.6
6.200	23.83	31.94	23.83	31.94	HS 476.69	858.0
6.300	15.93	39.87	15.93	39.87	HS 318.60	573.5
6.400	13.93	51.19	13.93	51.19	HS 278.49	501.3
6.500	14.28	67.43	14.28	67.43	HS 285.65	514.2
6.600	13.87	50.88	13.87	50.88	HS 277.49	499.5
6.700	15.83	39.69	15.83	39.69	HS 316.56	569.8
6.800	23.59	31.86	23.59	31.86	HS 471.81	849.3
6.900	57.15	23.00	57.15	23.00	HS 460.01	828.0
7.000	73.91	12.55	73.91	12.55	HS 251.02	451.8

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: INV.
Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	-bend		
7.000	73.91	12.55	73.91	12.55	HS 251.02	451.8
7.100	57.28	23.35	57.28	23.35	HS 467.04	840.7
7.200	23.83	31.97	23.83	31.97	HS 476.56	857.8
7.300	15.98	39.57	15.98	39.57	HS 319.58	575.3
7.400	14.07	50.30	14.07	50.30	HS 281.36	506.4
7.500	14.37	51.24	14.37	51.24	HS 287.41	517.3
7.600	13.92	37.64	13.92	37.64	HS 278.48	501.3
7.700	15.80	29.21	15.80	29.21	HS 315.97	568.7
7.800	23.15	23.31	23.15	23.31	HS 462.96	833.3
7.900	68.93	18.22	68.93	18.22	HS 364.31	655.8
8.000	110.39	11.33	110.39	11.33	HS 226.63	407.9
8.000	110.39	11.33	110.39	11.33	HS 226.63	407.9
8.100	68.29	22.95	68.29	22.95	HS 459.08	826.3
8.200	24.31	32.06	24.31	32.06	HS 486.10	875.0
8.300	14.41	38.47	14.41	38.47	HS 288.14	518.7
8.400	11.92	46.44	11.92	46.44	HS 238.41	429.1
8.500	10.59	56.87	10.59	56.87	HS 211.73	381.1
8.600	10.13	71.55	10.13	71.55	HS 202.52	364.5
8.700	10.19	94.83	10.19	94.83	HS 203.88	367.0
8.800	12.24	139.60	12.24	139.60	HS 244.74	440.5
8.900	20.55	270.33	20.55	270.33	HS 411.01	739.8
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: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R 0.00	0.00 0.00
1.100	1.2	12.3	6.22 R 0.00	4.78 0.00
1.200	2.1	21.0	10.20 R 0.00	7.85 0.00
1.300	2.6	26.2	12.18 R 0.00	9.37 0.00
1.400	2.8	27.9	12.71 L 0.00	9.77 0.00
1.500	2.6	26.1	12.35 L 0.00	9.50 0.00
1.600	2.0	20.5	11.32 L 0.00	8.71 0.00
1.700	1.1	11.3	9.40 R 0.00	7.23 0.00
1.800	-0.2	-1.4	6.55 R 0.00	5.04 0.00
1.900	-1.8	-17.6	-5.48 L 0.00	-4.22 0.00
2.000	-3.8	-37.3	-9.14 R 0.00	-7.03 0.00
2.000	-3.8	-37.3	-9.14 R 0.00	-7.03 0.00
2.100	-2.1	-20.3	-6.65 L 0.00	-5.12 0.00
2.200	-0.7	-6.8	5.83 R 0.00	4.49 0.00
2.300	0.3	3.1	8.54 R 0.00	6.57 0.00
2.400	0.9	9.5	9.97 R 0.00	7.67 0.00
2.500	1.2	12.5	10.52 R 0.00	8.09 0.00
2.600	1.1	11.5	10.12 L 0.00	7.79 0.00
2.700	0.7	7.1	8.88 R 0.00	6.83 0.00
2.800	-0.1	-0.8	6.60 R 0.00	5.08 0.00
2.900	-1.3	-12.3	-5.15 R 0.00	-3.96 0.00
3.000	-2.8	-27.3	-7.47 L 0.00	-5.74 0.00
3.000	-2.8	-27.3	-7.47 L 0.00	-5.74 0.00
3.100	-1.2	-11.6	-5.28 L 0.00	-4.06 0.00
3.200	0.0	0.6	6.85 L 0.00	5.27 0.00
3.300	0.9	9.3	9.00 L 0.00	6.92 0.00
3.400	1.4	14.5	10.11 R 0.00	7.78 0.00
3.500	1.6	16.1	10.46 L 0.00	8.05 0.00
3.600	1.4	13.9	10.04 L 0.00	7.72 0.00
3.700	0.8	8.2	8.84 R 0.00	6.80 0.00
3.800	-0.1	-1.0	6.60 R 0.00	5.08 0.00
3.900	-1.4	-13.8	-5.19 R 0.00	-3.99 0.00
4.000	-3.0	-30.0	-7.48 L 0.00	-5.75 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-30.0	-7.48 L 0.00	-5.75 0.00
4.100	-1.4	-13.9	-5.20 L 0.00	-4.00 0.00
4.200	-0.2	-1.4	6.62 L 0.00	5.09 0.00
4.300	0.7	7.7	8.85 L 0.00	6.80 0.00
4.400	1.3	13.2	10.04 R 0.00	7.72 0.00
4.500	1.5	15.2	10.38 L 0.00	7.99 0.00
4.600	1.3	13.4	10.03 L 0.00	7.72 0.00
4.700	0.8	8.0	8.84 R 0.00	6.80 0.00
4.800	-0.1	-0.8	6.61 R 0.00	5.08 0.00
4.900	-1.3	-13.2	-5.19 R 0.00	-3.99 0.00
5.000	-2.9	-29.1	-7.48 R 0.00	-5.75 0.00
5.000	-2.9	-29.1	-7.48 R 0.00	-5.75 0.00
5.100	-1.3	-13.2	-5.19 L 0.00	-3.99 0.00
5.200	-0.1	-0.8	6.61 L 0.00	5.08 0.00
5.300	0.8	8.0	8.84 L 0.00	6.80 0.00
5.400	1.3	13.4	10.03 R 0.00	7.72 0.00
5.500	1.5	15.2	10.38 R 0.00	7.99 0.00
5.600	1.3	13.2	10.04 L 0.00	7.72 0.00
5.700	0.7	7.7	8.85 R 0.00	6.80 0.00
5.800	-0.2	-1.4	6.62 R 0.00	5.09 0.00
5.900	-1.4	-13.9	-5.20 R 0.00	-4.00 0.00
6.000	-3.0	-30.0	-7.48 R 0.00	-5.75 0.00
6.000	-3.0	-30.0	-7.48 R 0.00	-5.75 0.00
6.100	-1.4	-13.8	-5.19 L 0.00	-3.99 0.00
6.200	-0.1	-1.0	6.60 L 0.00	5.08 0.00
6.300	0.8	8.2	8.84 L 0.00	6.80 0.00
6.400	1.4	13.9	10.04 R 0.00	7.72 0.00
6.500	1.6	16.1	10.46 R 0.00	8.05 0.00
6.600	1.4	14.5	10.11 L 0.00	7.78 0.00
6.700	0.9	9.3	9.00 R 0.00	6.92 0.00
6.800	0.0	0.6	6.85 R 0.00	5.27 0.00
6.900	-1.2	-11.6	-5.28 R 0.00	-4.06 0.00
7.000	-2.8	-27.3	-7.46 R 0.00	-5.74 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-2.8	-27.3	-7.46 R 0.00	-5.74 0.00
7.100	-1.3	-12.3	-5.15 L 0.00	-3.96 0.00
7.200	-0.1	-0.8	6.60 L 0.00	5.08 0.00
7.300	0.7	7.1	8.88 L 0.00	6.83 0.00
7.400	1.1	11.5	10.12 R 0.00	7.79 0.00
7.500	1.2	12.5	10.52 L 0.00	8.09 0.00
7.600	0.9	9.5	9.97 L 0.00	7.67 0.00
7.700	0.3	3.1	8.54 L 0.00	6.57 0.00
7.800	-0.7	-6.8	5.83 L 0.00	4.49 0.00
7.900	-2.1	-20.3	-6.65 R 0.00	-5.12 0.00
8.000	-3.8	-37.3	-9.14 L 0.00	-7.03 0.00
8.000	-3.8	-37.3	-9.14 L 0.00	-7.03 0.00
8.100	-1.8	-17.6	-5.48 R 0.00	-4.22 0.00
8.200	-0.2	-1.4	6.55 L 0.00	5.04 0.00
8.300	1.1	11.3	9.40 L 0.00	7.23 0.00
8.400	2.0	20.5	11.32 R 0.00	8.71 0.00
8.500	2.6	26.1	12.35 R 0.00	9.50 0.00
8.600	2.8	27.9	12.71 R 0.00	9.77 0.00
8.700	2.6	26.2	12.18 L 0.00	9.37 0.00
8.800	2.1	21.0	10.20 L 0.00	7.85 0.00
8.900	1.2	12.3	6.22 L 0.00	4.78 0.00
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. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
			Top			Top		Bott	
6 1 7 5 3 3 1 0 1 3 6	1.000	300.6C	268.7	-268.7	-300.6C	300.6	268.7	-268.7	-300.
	1.100	300.6C	268.7	-268.7	-300.6C	287.2	255.2	-282.1	-314.
	1.200	300.6C	268.7	-268.7	-300.6C	277.5	245.6	-291.7	-323.
	1.300	300.6C	268.7	-268.7	-300.6C	271.8	239.8	-297.5	-329.
	1.400	300.6C	268.7	-268.7	-300.6C	270.0	238.0	-299.3	-331.
	1.500	300.6C	268.7	-268.7	-300.6C	272.0	240.0	-297.3	-329.
	1.600	300.6C	268.7	-268.7	-300.6C	278.2	246.2	-291.1	-323.
	1.700	300.6C	268.7	-268.7	-300.6C	288.2	256.3	-281.1	-313.
	1.800	300.6C	268.7	-268.7	-300.6C	302.2	270.2	-267.1	-299.
	1.900	300.6C	268.7	-268.7	-300.6C	320.0	288.0	-249.3	-281.
6 3 1 0 1 3 4 7 1	2.000	300.6C	268.7	-268.7	-300.6C	341.7	309.7	-227.6	-259.
	2.000	300.6C	268.7	-268.7	-300.6C	341.7	309.7	-227.6	-259.
	2.100	300.6C	268.7	-268.7	-300.6C	323.0	291.0	-246.3	-278.
	2.200	300.6C	268.7	-268.7	-300.6C	308.2	276.2	-261.1	-293.
	2.300	300.6C	268.7	-268.7	-300.6C	297.3	265.3	-272.0	-304.
	2.400	300.6C	268.7	-268.7	-300.6C	290.2	258.2	-279.1	-311.
	2.500	300.6C	268.7	-268.7	-300.6C	287.0	255.0	-282.3	-314.
	2.600	300.6C	268.7	-268.7	-300.6C	288.0	256.0	-281.3	-313.
	2.700	300.6C	268.7	-268.7	-300.6C	292.8	260.9	-276.4	-308.
	2.800	300.6C	268.7	-268.7	-300.6C	301.6	269.6	-267.7	-299.
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: 5C1

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
		Bott.	Top		Top	Bott.	Top	Bott	
6310134716	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.	
6174331013	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: 5C1

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

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	46.20	477.99	41.05	532.17	0.00	999.0
1.200	27.20	247.13	24.06	274.23	0.00	962.6
1.300	22.31	167.99	19.69	186.06	0.00	787.5
1.400	21.24	126.78	18.73	140.33	0.00	749.1
1.500	22.02	100.74	19.43	111.58	0.00	777.3
1.600	24.58	82.20	21.75	91.23	0.00	870.2
1.700	30.66	68.02	27.26	75.76	0.00	999.0
1.800	46.16	56.57	41.27	63.34	0.00	999.0
1.900	107.71	45.46	96.94	51.29	0.00	999.0
2.000	233.51	24.90	211.65	28.40	0.00	999.0
2.000	233.51	24.90	211.65	28.40	0.00	999.0
2.100	121.57	37.03	109.53	41.84	0.00	999.0
2.200	52.83	45.26	47.35	50.80	0.00	999.0
2.300	34.80	51.55	31.06	57.61	0.00	999.0
2.400	29.10	57.42	25.90	64.00	0.00	999.0
2.500	27.29	61.49	24.25	68.46	0.00	969.9
2.600	28.45	63.36	25.29	70.57	0.00	999.0
2.700	33.00	61.61	29.39	68.73	0.00	999.0
2.800	45.70	57.15	40.85	63.98	0.00	999.0
2.900	94.34	49.53	84.74	55.74	0.00	999.0
3.000	164.51	31.96	148.59	36.24	0.00	999.0
3.000	164.51	31.96	148.59	36.24	0.00	999.0
3.100	85.02	48.48	76.34	54.54	0.00	999.0
3.200	43.79	56.46	39.12	63.16	0.00	999.0
3.300	32.28	62.40	28.73	69.56	0.00	999.0
3.400	28.17	67.13	25.00	74.68	0.00	999.0
3.500	27.04	69.12	23.99	76.84	0.00	959.5
3.600	28.43	67.74	25.25	75.37	0.00	999.0
3.700	33.00	62.93	29.38	70.18	0.00	999.0
3.800	45.70	57.01	40.86	63.83	0.00	999.0
3.900	94.09	48.86	84.56	55.03	0.00	999.0
4.000	211.66	31.51	191.38	35.78	0.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	fiber -bend		
4.000	211.66	31.51	191.38	35.78	0.00	999.0
4.100	93.44	48.74	83.99	54.89	0.00	999.0
4.200	45.64	56.85	40.81	63.66	0.00	999.0
4.300	33.04	62.81	29.42	70.07	0.00	999.0
4.400	28.52	67.51	25.33	75.14	0.00	999.0
4.500	27.35	69.39	24.27	77.16	0.00	970.8
4.600	28.51	67.83	25.32	75.49	0.00	999.0
4.700	33.03	62.96	29.41	70.22	0.00	999.0
4.800	45.66	57.04	40.82	63.86	0.00	999.0
4.900	93.82	48.95	84.30	55.11	0.00	999.0
5.000	209.99	31.64	189.80	35.92	0.00	999.0
5.000	209.99	31.64	189.80	35.92	0.00	999.0
5.100	93.82	48.95	84.30	55.11	0.00	999.0
5.200	45.66	57.04	40.82	63.86	0.00	999.0
5.300	33.03	62.96	29.41	70.22	0.00	999.0
5.400	28.51	67.60	25.32	75.23	0.00	999.0
5.500	27.35	69.39	24.27	77.16	0.00	970.8
5.600	28.52	67.75	25.33	75.41	0.00	999.0
5.700	33.04	62.81	29.42	70.07	0.00	999.0
5.800	45.64	56.85	40.81	63.66	0.00	999.0
5.900	93.44	48.74	83.99	54.89	0.00	999.0
6.000	220.55	31.52	199.41	35.79	0.00	999.0
6.000	220.55	31.52	199.41	35.79	0.00	999.0
6.100	94.09	48.86	84.56	55.03	0.00	999.0
6.200	45.70	57.01	40.86	63.83	0.00	999.0
6.300	33.00	62.93	29.38	70.18	0.00	999.0
6.400	28.43	67.74	25.25	75.37	0.00	999.0
6.500	27.04	69.12	23.99	76.84	0.00	959.5
6.600	28.17	67.39	25.00	74.97	0.00	999.0
6.700	32.28	62.40	28.73	69.56	0.00	999.0
6.800	43.79	56.46	39.12	63.16	0.00	999.0
6.900	85.02	48.48	76.35	54.54	0.00	999.0
7.000	164.51	31.97	148.60	36.25	0.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S02

Rating Type:

OPER.

Rating Live Load:

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
7.000	164.51	31.97	148.60	36.25	0.00	999.0
7.100	94.34	49.53	84.74	55.74	0.00	999.0
7.200	45.70	57.15	40.85	63.98	0.00	999.0
7.300	33.00	61.60	29.39	68.73	0.00	999.0
7.400	28.45	63.36	25.29	70.57	0.00	999.0
7.500	27.29	61.49	24.25	68.46	0.00	969.9
7.600	29.10	57.43	25.90	64.01	0.00	999.0
7.700	34.80	51.55	31.06	57.61	0.00	999.0
7.800	52.83	45.26	47.35	50.80	0.00	999.0
7.900	121.57	37.03	109.53	41.84	0.00	999.0
8.000	233.51	24.90	211.65	28.40	0.00	999.0
8.000	233.51	24.90	211.65	28.40	0.00	999.0
8.100	107.71	45.46	96.94	51.29	0.00	999.0
8.200	46.16	56.56	41.27	63.34	0.00	999.0
8.300	30.66	68.02	27.26	75.76	0.00	999.0
8.400	24.58	82.20	21.75	91.23	0.00	870.2
8.500	22.02	100.74	19.43	111.58	0.00	777.3
8.600	21.24	126.78	18.73	140.33	0.00	749.1
8.700	22.31	167.99	19.69	186.05	0.00	787.5
8.800	27.20	247.13	24.06	274.22	0.00	962.6
8.900	46.20	477.98	41.05	532.17	0.00	999.0
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: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck	
1.000	0.6	5.9	3.09	0.00	2.38	0.00
1.100	0.4	4.4	2.60	0.00	2.00	0.00
1.200	0.3	2.9	2.13	0.00	1.64	0.00
1.300	0.1	1.5	1.70	0.00	1.31	0.00
1.400	0.0	-0.1	-1.37	0.00	-1.06	0.00
1.500	-0.2	-1.5	-1.66	0.00	-1.27	0.00
1.600	-0.3	-3.1	-1.99	0.00	-1.53	0.00
1.700	-0.5	-4.6	-2.33	0.00	-1.79	0.00
1.800	-0.6	-6.0	-2.68	0.00	-2.06	0.00
1.900	-0.8	-7.5	-3.06	0.00	-2.35	0.00
2.000	-0.9	-9.0	-3.39	0.00	-2.61	0.00
2.000	0.8	-9.0	3.25	0.00	2.50	0.00
2.100	0.6	6.4	2.87	0.00	2.21	0.00
2.200	0.5	4.9	2.44	0.00	1.88	0.00
2.300	0.3	3.4	2.01	0.00	1.55	0.00
2.400	0.2	2.0	1.67	0.00	1.29	0.00
2.500	0.0	0.5	1.38	0.00	1.06	0.00
2.600	-0.1	-1.1	-1.65	0.00	-1.27	0.00
2.700	-0.3	-2.6	-2.02	0.00	-1.55	0.00
2.800	-0.4	-4.1	-2.42	0.00	-1.87	0.00
2.900	-0.6	-5.5	-2.83	0.00	-2.18	0.00
3.000	-0.7	-7.0	-3.21	0.00	-2.47	0.00
3.000	0.7	7.3	3.18	0.00	2.45	0.00
3.100	0.6	5.8	2.80	0.00	2.15	0.00
3.200	0.4	4.4	2.39	0.00	1.84	0.00
3.300	0.3	2.9	2.00	0.00	1.54	0.00
3.400	0.1	1.4	1.66	0.00	1.28	0.00
3.500	0.0	-0.1	-1.33	0.00	-1.02	0.00
3.600	-0.2	-1.6	-1.66	0.00	-1.28	0.00
3.700	-0.3	-3.1	-2.00	0.00	-1.54	0.00
3.800	-0.5	-4.6	-2.41	0.00	-1.85	0.00
3.900	-0.6	-6.1	-2.81	0.00	-2.16	0.00
4.000	-0.8	-7.5	-3.20	0.00	-2.46	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck	
4.000	0.7	-7.5	3.20	0.00	2.46	0.00
4.100	0.6	6.0	2.81	0.00	2.16	0.00
4.200	0.5	4.5	2.40	0.00	1.85	0.00
4.300	0.3	3.0	2.00	0.00	1.54	0.00
4.400	0.2	1.6	1.66	0.00	1.28	0.00
4.500	0.0	0.1	1.32	0.00	1.02	0.00
4.600	-0.1	-1.5	-1.66	0.00	-1.28	0.00
4.700	-0.3	-3.0	-2.00	0.00	-1.54	0.00
4.800	-0.4	-4.4	-2.40	0.00	-1.85	0.00
4.900	-0.6	-5.9	-2.81	0.00	-2.16	0.00
5.000	-0.7	-7.4	-3.20	0.00	-2.46	0.00
5.000	0.7	7.4	3.20	0.00	2.46	0.00
5.100	0.6	5.9	2.81	0.00	2.16	0.00
5.200	0.4	4.4	2.40	0.00	1.85	0.00
5.300	0.3	3.0	2.00	0.00	1.54	0.00
5.400	0.1	1.5	1.66	0.00	1.28	0.00
5.500	0.0	0.1	1.32	0.00	1.02	0.00
5.600	-0.2	-1.6	-1.66	0.00	-1.28	0.00
5.700	-0.3	-3.0	-2.00	0.00	-1.54	0.00
5.800	-0.5	-4.5	-2.40	0.00	-1.85	0.00
5.900	-0.6	-6.0	-2.81	0.00	-2.16	0.00
6.000	-0.7	-7.5	-3.20	0.00	-2.46	0.00
6.000	0.8	7.5	3.20	0.00	2.46	0.00
6.100	0.6	6.1	2.81	0.00	2.16	0.00
6.200	0.5	4.6	2.41	0.00	1.85	0.00
6.300	0.3	3.1	2.00	0.00	1.54	0.00
6.400	0.2	1.6	1.66	0.00	1.28	0.00
6.500	0.0	0.2	1.33	0.00	1.02	0.00
6.600	-0.1	-1.4	-1.66	0.00	-1.28	0.00
6.700	-0.3	-2.9	-2.00	0.00	-1.54	0.00
6.800	-0.4	-4.4	-2.39	0.00	-1.84	0.00
6.900	-0.6	-5.8	-2.80	0.00	-2.15	0.00
7.000	-0.7	-7.3	-3.18	0.00	-2.45	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck	
7.000	0.7	-7.3	3.21	0.00	2.47	0.00
7.100	0.6	5.5	2.83	0.00	2.18	0.00
7.200	0.4	4.1	2.42	0.00	1.87	0.00
7.300	0.3	2.6	2.02	0.00	1.55	0.00
7.400	0.1	1.1	1.65	0.00	1.27	0.00
7.500	0.0	-0.4	-1.38	0.00	-1.06	0.00
7.600	-0.2	-2.0	-1.67	0.00	-1.29	0.00
7.700	-0.3	-3.4	-2.01	0.00	-1.55	0.00
7.800	-0.5	-4.9	-2.44	0.00	-1.88	0.00
7.900	-0.6	-6.4	-2.87	0.00	-2.21	0.00
8.000	-0.8	-7.8	-3.27	0.00	-2.52	0.00
8.000	0.9	9.0	3.39	0.00	2.61	0.00
8.100	0.8	7.5	3.06	0.00	2.35	0.00
8.200	0.6	6.0	2.68	0.00	2.06	0.00
8.300	0.5	4.6	2.33	0.00	1.79	0.00
8.400	0.3	3.1	1.99	0.00	1.53	0.00
8.500	0.2	1.6	1.66	0.00	1.27	0.00
8.600	0.0	0.1	1.34	0.00	1.03	0.00
8.700	-0.1	-1.5	-1.70	0.00	-1.31	0.00
8.800	-0.3	-2.9	-2.13	0.00	-1.64	0.00
8.900	-0.4	-4.4	-2.60	0.00	-2.00	0.00
9.000	-0.6	-5.9	-3.09	0.00	-2.38	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	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: 5C1

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: 5C1

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: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	497.65	35.60	0.00	999.0
1.100	282.29	42.92	0.00	999.0
1.200	180.34	53.05	0.00	999.0
1.300	116.57	67.61	0.00	999.0
1.400	84.66	87.63	0.00	999.0
1.500	69.25	114.47	0.00	999.0
1.600	56.89	158.18	0.00	999.0
1.700	47.79	239.34	0.00	999.0
1.800	40.90	427.24	0.00	999.0
1.900	35.36	999.00	0.00	999.0
2.000	31.37	999.00	0.00	999.0
2.000	31.37	33.14	0.00	999.0
2.100	344.73	38.09	0.00	999.0
2.200	218.68	45.42	0.00	999.0
2.300	151.95	56.05	0.00	999.0
2.400	112.32	68.25	0.00	999.0
2.500	86.93	84.02	0.00	999.0
2.600	69.63	104.73	0.00	999.0
2.700	56.18	135.66	0.00	999.0
2.800	46.15	184.89	0.00	999.0
2.900	38.98	270.51	0.00	999.0
3.000	33.82	294.36	0.00	999.0
3.000	33.82	34.07	0.00	999.0
3.100	338.37	39.32	0.00	999.0
3.200	220.18	46.59	0.00	999.0
3.300	154.00	56.57	0.00	999.0
3.400	113.82	69.06	0.00	999.0
3.500	87.73	88.43	0.00	999.0
3.600	68.85	114.47	0.00	999.0
3.700	56.41	154.39	0.00	999.0
3.800	46.26	219.59	0.00	999.0
3.900	39.00	334.41	0.00	999.0
4.000	33.77	391.27	0.00	999.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	33.77	33.83	0.00	999.0
4.100	338.48	39.06	0.00	999.0
4.200	220.66	46.34	0.00	999.0
4.300	154.42	56.47	0.00	999.0
4.400	114.13	68.91	0.00	999.0
4.500	88.07	87.95	0.00	999.0
4.600	68.96	114.08	0.00	999.0
4.700	56.52	154.32	0.00	999.0
4.800	46.36	220.44	0.00	999.0
4.900	39.08	337.93	0.00	999.0
5.000	33.84	373.59	0.00	999.0
5.000	33.84	33.84	0.00	999.0
5.100	337.93	39.08	0.00	999.0
5.200	220.44	46.36	0.00	999.0
5.300	154.32	56.52	0.00	999.0
5.400	114.08	68.96	0.00	999.0
5.500	88.04	87.98	0.00	999.0
5.600	68.91	114.13	0.00	999.0
5.700	56.47	154.42	0.00	999.0
5.800	46.34	220.66	0.00	999.0
5.900	39.06	338.48	0.00	999.0
6.000	33.83	375.37	0.00	999.0
6.000	33.83	33.77	0.00	999.0
6.100	334.41	39.00	0.00	999.0
6.200	219.59	46.26	0.00	999.0
6.300	154.39	56.41	0.00	999.0
6.400	114.47	68.85	0.00	999.0
6.500	88.53	87.63	0.00	999.0
6.600	69.06	113.82	0.00	999.0
6.700	56.57	154.00	0.00	999.0
6.800	46.59	220.18	0.00	999.0
6.900	39.32	338.37	0.00	999.0
7.000	34.07	375.93	0.00	999.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	34.07	33.82	0.00	999.0
7.100	270.51	38.98	0.00	999.0
7.200	184.89	46.15	0.00	999.0
7.300	135.66	56.18	0.00	999.0
7.400	104.73	69.63	0.00	999.0
7.500	84.11	86.83	0.00	999.0
7.600	68.25	112.33	0.00	999.0
7.700	56.05	151.95	0.00	999.0
7.800	45.42	218.68	0.00	999.0
7.900	38.09	344.72	0.00	999.0
8.000	32.93	382.96	0.00	999.0
8.000	32.93	31.37	0.00	999.0
8.100	999.00	35.36	0.00	999.0
8.200	427.24	40.90	0.00	999.0
8.300	239.34	47.79	0.00	999.0
8.400	158.18	56.89	0.00	999.0
8.500	114.60	69.18	0.00	999.0
8.600	87.63	86.65	0.00	999.0
8.700	67.61	116.57	0.00	999.0
8.800	53.05	180.34	0.00	999.0
8.900	42.92	282.29	0.00	999.0
9.000	35.60	999.00	0.00	999.0

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending		Negative Bending		Positive Bending		Negative Bending	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bo
1.000	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
79.4								
1.100	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
92.9								
1.200	279.4	279.4	-279.4	-279.4	256.3	256.3	-302.5	-3
02.5								
1.300	279.4	279.4	-279.4	-279.4	250.6	250.6	-308.2	-3
08.2								
1.400	279.4	279.4	-279.4	-279.4	248.7	248.7	-310.1	-3
10.1								
1.500	279.4	279.4	-279.4	-279.4	250.7	250.7	-308.1	-3
08.1								
1.600	279.4	279.4	-279.4	-279.4	256.9	256.9	-301.9	-3
01.9								
1.700	279.4	279.4	-279.4	-279.4	267.0	267.0	-291.8	-2
91.8								
1.800	279.4	279.4	-279.4	-279.4	280.9	280.9	-277.9	-2
77.9								
1.900	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
60.0								
2.000	279.4	279.4	-279.4	-279.4	320.5	320.5	-238.3	-2
38.3								
2.000	279.4	279.4	-279.4	-279.4	320.5	320.5	-238.3	-2
38.3								
2.100	279.4	279.4	-279.4	-279.4	301.8	301.8	-257.0	-2
57.0								
2.200	279.4	279.4	-279.4	-279.4	287.0	287.0	-271.8	-2
71.8								
2.300	279.4	279.4	-279.4	-279.4	276.0	276.0	-282.8	-2
82.8								
2.400	279.4	279.4	-279.4	-279.4	268.9	268.9	-289.9	-2
89.9								
2.500	279.4	279.4	-279.4	-279.4	265.8	265.8	-293.0	-2
93.0								
2.600	279.4	279.4	-279.4	-279.4	266.7	266.7	-292.1	-2
92.1								
2.700	279.4	279.4	-279.4	-279.4	271.6	271.6	-287.2	-2
87.2								
2.800	279.4	279.4	-279.4	-279.4	280.3	280.3	-278.5	-2
78.5								
2.900	279.4	279.4	-279.4	-279.4	293.0	293.0	-265.8	-2
65.8								

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: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
4.000	279.4	279.4	-279.4	-279.4	312.5	312.5	-246.3	-2
46.3								
4.100	279.4	279.4	-279.4	-279.4	294.8	294.8	-264.0	-2
64.0								
4.200	279.4	279.4	-279.4	-279.4	280.9	280.9	-277.9	-2
77.9								
4.300	279.4	279.4	-279.4	-279.4	271.0	271.0	-287.8	-2
87.8								
4.400	279.4	279.4	-279.4	-279.4	264.9	264.9	-293.9	-2
93.9								
4.500	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
96.1								
4.600	279.4	279.4	-279.4	-279.4	264.7	264.7	-294.1	-2
94.1								
4.700	279.4	279.4	-279.4	-279.4	270.6	270.6	-288.2	-2
88.2								
4.800	279.4	279.4	-279.4	-279.4	280.3	280.3	-278.5	-2
78.5								
4.900	279.4	279.4	-279.4	-279.4	294.0	294.0	-264.8	-2
64.8								
5.000	279.4	279.4	-279.4	-279.4	311.4	311.4	-247.4	-2
47.4								
5.000	279.4	279.4	-279.4	-279.4	311.4	311.4	-247.4	-2
47.4								
5.100	279.4	279.4	-279.4	-279.4	294.0	294.0	-264.8	-2
64.8								
5.200	279.4	279.4	-279.4	-279.4	280.3	280.3	-278.5	-2
78.5								
5.300	279.4	279.4	-279.4	-279.4	270.6	270.6	-288.2	-2
88.2								
5.400	279.4	279.4	-279.4	-279.4	264.7	264.7	-294.1	-2
94.1								
5.500	279.4	279.4	-279.4	-279.4	262.7	262.7	-296.1	-2
96.1								
5.600	279.4	279.4	-279.4	-279.4	264.9	264.9	-293.9	-2
93.9								
5.700	279.4	279.4	-279.4	-279.4	271.0	271.0	-287.8	-2
87.8								
5.800	279.4	279.4	-279.4	-279.4	280.9	280.9	-277.9	-2
77.9								
5.900	279.4	279.4	-279.4	-279.4	294.8	294.8	-264.0	-2
64.0								

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

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
7.000	279.4	279.4	-279.4	-279.4	309.4	309.4	-249.4	-2
49.4								
7.100	279.4	279.4	-279.4	-279.4	293.0	293.0	-265.8	-2
65.8								
7.200	279.4	279.4	-279.4	-279.4	280.3	280.3	-278.5	-2
78.5								
7.300	279.4	279.4	-279.4	-279.4	271.6	271.6	-287.2	-2
87.2								
7.400	279.4	279.4	-279.4	-279.4	266.7	266.7	-292.1	-2
92.1								
7.500	279.4	279.4	-279.4	-279.4	265.8	265.8	-293.0	-2
93.0								
7.600	279.4	279.4	-279.4	-279.4	268.9	268.9	-289.9	-2
89.9								
7.700	279.4	279.4	-279.4	-279.4	276.0	276.0	-282.8	-2
82.8								
7.800	279.4	279.4	-279.4	-279.4	287.0	287.0	-271.8	-2
71.8								
7.900	279.4	279.4	-279.4	-279.4	301.8	301.8	-257.0	-2
57.0								
8.000	279.4	279.4	-279.4	-279.4	320.5	320.5	-238.3	-2
38.3								
8.000	279.4	279.4	-279.4	-279.4	320.5	320.5	-238.3	-2
38.3								
8.100	279.4	279.4	-279.4	-279.4	298.8	298.8	-260.0	-2
60.0								
8.200	279.4	279.4	-279.4	-279.4	280.9	280.9	-277.9	-2
77.9								
8.300	279.4	279.4	-279.4	-279.4	267.0	267.0	-291.8	-2
91.8								
8.400	279.4	279.4	-279.4	-279.4	256.9	256.9	-301.9	-3
01.9								
8.500	279.4	279.4	-279.4	-279.4	250.7	250.7	-308.1	-3
08.1								
8.600	279.4	279.4	-279.4	-279.4	248.7	248.7	-310.1	-3
10.1								
8.700	279.4	279.4	-279.4	-279.4	250.6	250.6	-308.2	-3
08.2								
8.800	279.4	279.4	-279.4	-279.4	256.3	256.3	-302.5	-3
02.5								
8.900	279.4	279.4	-279.4	-279.4	265.9	265.9	-292.9	-2
92.9								

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: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	42.78	496.19	42.78	496.19	0.00	999.0
1.200	25.12	256.23	25.12	256.23	0.00	999.0
1.300	20.57	174.06	20.57	174.06	0.00	822.8
1.400	19.57	131.33	19.57	131.33	0.00	782.9
1.500	20.30	104.39	20.30	104.39	0.00	812.1
1.600	22.70	85.24	22.70	85.24	0.00	908.1
1.700	28.40	70.62	28.40	70.62	0.00	999.0
1.800	42.92	58.84	42.92	58.84	0.00	999.0
1.900	100.56	47.42	100.56	47.42	0.00	999.0
2.000	218.99	26.08	218.99	26.08	0.00	999.0
2.000	218.99	26.08	218.99	26.08	0.00	999.0
2.100	113.57	38.65	113.57	38.65	0.00	999.0
2.200	49.19	47.12	49.19	47.12	0.00	999.0
2.300	32.32	53.59	32.32	53.59	0.00	999.0
2.400	26.98	59.63	26.98	59.63	0.00	999.0
2.500	25.27	63.83	25.27	63.83	0.00	999.0
2.600	26.35	65.78	26.35	65.78	0.00	999.0
2.700	30.60	64.00	30.60	64.00	0.00	999.0
2.800	42.48	59.45	42.48	59.45	0.00	999.0
2.900	87.97	51.62	87.97	51.62	0.00	999.0
3.000	153.94	33.40	153.94	33.40	0.00	999.0
3.000	153.94	33.40	153.94	33.40	0.00	999.0
3.100	79.26	50.51	79.26	50.51	0.00	999.0
3.200	40.69	58.71	40.69	58.71	0.00	999.0
3.300	29.92	64.81	29.92	64.81	0.00	999.0
3.400	26.07	69.67	26.07	69.67	0.00	999.0
3.500	25.01	71.72	25.01	71.72	0.00	999.0
3.600	26.32	70.30	26.32	70.30	0.00	999.0
3.700	30.60	65.37	30.60	65.37	0.00	999.0
3.800	42.48	59.30	42.48	59.30	0.00	999.0
3.900	87.76	50.93	87.76	50.93	0.00	999.0
4.000	198.19	32.94	198.19	32.94	0.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
4.000	198.19	32.94	198.19	32.94	0.00	999.0
4.100	87.16	50.81	87.16	50.81	0.00	999.0
4.200	42.43	59.14	42.43	59.14	0.00	999.0
4.300	30.64	65.25	30.64	65.25	0.00	999.0
4.400	26.40	70.07	26.40	70.07	0.00	999.0
4.500	25.31	72.00	25.31	72.00	0.00	999.0
4.600	26.39	70.41	26.39	70.41	0.00	999.0
4.700	30.63	65.40	30.63	65.40	0.00	999.0
4.800	42.44	59.33	42.44	59.33	0.00	999.0
4.900	87.50	51.02	87.50	51.02	0.00	999.0
5.000	196.58	33.08	196.58	33.08	0.00	999.0
5.000	196.58	33.08	196.58	33.08	0.00	999.0
5.100	87.50	51.02	87.50	51.02	0.00	999.0
5.200	42.44	59.33	42.44	59.33	0.00	999.0
5.300	30.63	65.40	30.63	65.40	0.00	999.0
5.400	26.39	70.16	26.39	70.16	0.00	999.0
5.500	25.31	72.00	25.31	72.00	0.00	999.0
5.600	26.40	70.33	26.40	70.33	0.00	999.0
5.700	30.64	65.25	30.64	65.25	0.00	999.0
5.800	42.43	59.14	42.43	59.14	0.00	999.0
5.900	87.17	50.81	87.17	50.81	0.00	999.0
6.000	206.51	32.95	206.51	32.95	0.00	999.0
6.000	206.51	32.95	206.51	32.95	0.00	999.0
6.100	87.76	50.93	87.76	50.93	0.00	999.0
6.200	42.48	59.30	42.48	59.30	0.00	999.0
6.300	30.60	65.37	30.60	65.37	0.00	999.0
6.400	26.32	70.30	26.32	70.30	0.00	999.0
6.500	25.01	71.72	25.01	71.72	0.00	999.0
6.600	26.07	69.94	26.07	69.94	0.00	999.0
6.700	29.92	64.81	29.92	64.81	0.00	999.0
6.800	40.69	58.71	40.69	58.71	0.00	999.0
6.900	79.26	50.51	79.26	50.51	0.00	999.0
7.000	153.94	33.41	153.94	33.41	0.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S02

Rating Type: OPER.

Rating Live Load: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	fiber -bend		
7.000	153.94	33.41	153.94	33.41	0.00	999.0
7.100	87.96	51.62	87.96	51.62	0.00	999.0
7.200	42.48	59.45	42.48	59.45	0.00	999.0
7.300	30.60	64.00	30.60	64.00	0.00	999.0
7.400	26.35	65.78	26.35	65.78	0.00	999.0
7.500	25.27	63.83	25.27	63.83	0.00	999.0
7.600	26.98	59.64	26.98	59.64	0.00	999.0
7.700	32.32	53.59	32.32	53.59	0.00	999.0
7.800	49.19	47.12	49.19	47.12	0.00	999.0
7.900	113.58	38.65	113.58	38.65	0.00	999.0
8.000	218.99	26.08	218.99	26.08	0.00	999.0
8.000	218.99	26.08	218.99	26.08	0.00	999.0
8.100	100.56	47.41	100.56	47.41	0.00	999.0
8.200	42.92	58.84	42.92	58.84	0.00	999.0
8.300	28.40	70.62	28.40	70.62	0.00	999.0
8.400	22.70	85.24	22.70	85.24	0.00	908.1
8.500	20.30	104.38	20.30	104.38	0.00	812.1
8.600	19.57	131.33	19.57	131.33	0.00	782.9
8.700	20.57	174.06	20.57	174.06	0.00	822.8
8.800	25.12	256.23	25.12	256.23	0.00	999.0
8.900	42.78	496.19	42.78	496.19	0.00	999.0
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 0.143

Second Live Load Dist. Factor 0.143

Comments:

Member I. D. S03 Symmetry:

Span Length:	Span 1 23.917	Span 2 23.917	Span 3 23.917	Span 4 23.917	Span 5 23.917
	Span 6 23.917	Span 7 23.917	Span 8 23.917	Span 9 0.000	Span 10 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) Left	Distributed Load (lbs/ft) Right	Length	Concentrated Load (kips)
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 (in.)	Web Depth (in.)	Web Thk. (in.)	Effective Width (in.)	Slab Thk. (in.)	Fy (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 (in.)	Web Depth (in.)	Web Thk. (in.)	Effective Width (in.)	Slab Thk. (in.)	Fy (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 (in.)	Web Depth (in.)	Web Thk. (in.)	Effective Width (in.)	Slab Thk. (in.)	Fy (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 Top	Axis Bott.	Moment of +Bend	Inertia -Bend	Section Modulus			
							+Bend Top	Bott.	-Bend 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 Top	Axis Bott.	Moment of +Bend	Inertia -Bend	Section Modulus			
							+Bend Top	Bott.	-Bend 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 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. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R 0.00	0.00 0.00
1.100	1.2	13.7	7.76 L 4.90	5.97 3.77
1.200	2.1	23.5	12.57 L 8.35	9.67 6.43
1.300	2.6	29.3	14.75 L 10.62	11.35 8.17
1.400	2.8	31.2	14.74 L 11.53	11.34 8.87
1.500	2.6	29.1	14.21 L 11.40	10.93 8.77
1.600	2.0	22.8	12.93 L 10.14	9.95 7.80
1.700	1.1	12.6	11.12 L 8.09	8.55 6.23
1.800	-0.2	-1.5	6.94 L 5.28	5.33 4.07
1.900	-1.8	-19.6	-6.74 R -6.79	-5.18 -5.23
2.000	-3.8	-41.7	-12.62 L -11.35	-9.71 -8.73
2.000	-3.8	-41.7	-12.62 L -11.35	-9.71 -8.73
2.100	-2.1	-22.7	-8.47 R -7.03	-6.51 -5.41
2.200	-0.7	-7.6	7.44 R 5.12	5.72 3.94
2.300	0.3	3.5	10.48 R 7.62	8.06 5.86
2.400	0.9	10.7	11.59 R 9.09	8.91 6.99
2.500	1.2	13.9	11.10 L 9.67	8.54 7.44
2.600	1.1	12.9	11.38 L 9.11	8.75 7.01
2.700	0.7	8.0	10.20 L 7.68	7.85 5.91
2.800	-0.1	-0.9	7.06 L 5.36	5.43 4.12
2.900	-1.3	-13.7	-6.83 L -6.33	-5.25 -4.87
3.000	-2.8	-30.5	-11.93 L -10.58	-9.18 -8.14
3.000	-2.8	-30.5	-11.93 L -10.58	-9.18 -8.14
3.100	-1.2	-12.9	-6.96 R -6.30	-5.35 -4.85
3.200	0.0	0.7	7.09 R 5.38	5.45 4.14
3.300	0.9	10.4	10.20 R 7.78	7.85 5.98
3.400	1.4	16.1	11.40 R 9.21	8.77 7.09
3.500	1.6	18.0	11.00 L 9.77	8.46 7.51
3.600	1.4	15.5	11.38 L 9.18	8.75 7.06
3.700	0.8	9.2	10.18 L 7.72	7.83 5.94
3.800	-0.1	-1.1	7.06 L 5.35	5.43 4.12
3.900	-1.4	-15.4	-6.84 L -6.39	-5.26 -4.91
4.000	-3.0	-33.5	-11.89 L -10.70	-9.14 -8.23

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 Truck	w/impact Lane	Live Load Truck	w/o impact Lane
4.000	-3.0	-33.5	-11.89 L	-10.70	-9.14	-8.23
4.100	-1.4	-15.6	-6.85 R	-6.40	-5.27	-4.92
4.200	-0.2	-1.5	7.06 R	5.28	5.43	4.06
4.300	0.7	8.6	10.19 R	7.69	7.83	5.92
4.400	1.3	14.7	11.38 R	9.14	8.76	7.03
4.500	1.5	16.9	10.99 L	9.72	8.45	7.48
4.600	1.3	14.9	11.38 L	9.15	8.76	7.04
4.700	0.8	9.0	10.18 L	7.71	7.83	5.93
4.800	-0.1	-0.9	7.06 L	5.36	5.43	4.12
4.900	-1.3	-14.8	-6.84 L	-6.36	-5.26	-4.89
5.000	-2.9	-32.5	-11.88 R	-10.65	-9.14	-8.19
5.000	-2.9	-32.5	-11.88 R	-10.65	-9.14	-8.19
5.100	-1.3	-14.8	-6.84 R	-6.36	-5.26	-4.89
5.200	-0.1	-0.9	7.06 R	5.30	5.43	4.08
5.300	0.8	9.0	10.18 R	7.71	7.83	5.93
5.400	1.3	14.9	11.38 R	9.15	8.76	7.04
5.500	1.5	16.9	10.99 R	9.72	8.45	7.48
5.600	1.3	14.7	11.38 L	9.14	8.76	7.03
5.700	0.7	8.6	10.19 L	7.69	7.83	5.92
5.800	-0.2	-1.5	7.06 L	5.33	5.43	4.10
5.900	-1.4	-15.6	-6.85 L	-6.40	-5.27	-4.92
6.000	-3.0	-33.5	-11.88 L	-10.70	-9.14	-8.23
6.000	-3.0	-33.5	-11.88 L	-10.70	-9.14	-8.23
6.100	-1.4	-15.4	-6.84 R	-6.39	-5.26	-4.91
6.200	-0.1	-1.1	7.06 R	5.29	5.43	4.07
6.300	0.8	9.2	10.18 R	7.72	7.83	5.94
6.400	1.4	15.5	11.38 R	9.18	8.75	7.06
6.500	1.6	18.0	11.00 R	9.77	8.46	7.51
6.600	1.4	16.1	11.40 L	9.21	8.77	7.09
6.700	0.9	10.4	10.20 L	7.78	7.85	5.98
6.800	0.0	0.7	7.09 L	5.44	5.45	4.18
6.900	-1.2	-12.9	-6.96 L	-6.30	-5.35	-4.85
7.000	-2.8	-30.5	-11.92 L	-10.58	-9.17	-8.14

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 Truck	w/impact Lane	Live Load Truck	w/o impact Lane
7.000	-2.8	-30.5	-11.92 L	-10.58	-9.17	-8.14
7.100	-1.3	-13.7	-6.83 R	-6.33	-5.25	-4.87
7.200	-0.1	-0.9	7.06 R	5.30	5.43	4.08
7.300	0.7	8.0	10.20 R	7.68	7.85	5.91
7.400	1.1	12.9	11.38 R	9.11	8.75	7.01
7.500	1.2	13.9	11.10 R	9.67	8.54	7.44
7.600	0.9	10.7	11.59 L	9.09	8.91	6.99
7.700	0.3	3.5	10.48 L	7.62	8.06	5.86
7.800	-0.7	-7.6	7.44 L	5.12	5.72	3.94
7.900	-2.1	-22.7	-8.47 L	-7.03	-6.51	-5.41
8.000	-3.8	-41.7	-12.62 R	-11.35	-9.71	-8.73
8.000	-3.8	-41.7	-12.62 R	-11.35	-9.71	-8.73
8.100	-1.8	-19.6	-6.74 L	-6.80	-5.18	-5.23
8.200	-0.2	-1.5	6.94 R	5.23	5.33	4.02
8.300	1.1	12.6	11.12 R	8.09	8.55	6.23
8.400	2.0	22.8	12.93 R	10.14	9.95	7.80
8.500	2.6	29.1	14.21 R	11.40	10.93	8.77
8.600	2.8	31.2	14.74 R	11.53	11.34	8.87
8.700	2.6	29.3	14.75 R	10.62	11.35	8.17
8.800	2.1	23.5	12.57 R	8.35	9.67	6.43
8.900	1.2	13.7	7.76 R	4.90	5.97	3.77
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. S03

Rating Type: INV.
Rating Live Load: HS20

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
		Bott.	Top		Top	Bott.	Top	Bott	
4 3 7 5 8 4 3 6 4 5 1	1.000	180.4C	161.2	-161.2	-180.4C	180.4	161.2	-161.2	-180.
	1.100	180.4C	161.2	-161.2	-180.4C	171.4	152.2	-170.1	-189.
	1.200	180.4C	161.2	-161.2	-180.4C	165.0	145.9	-176.5	-195.
	1.300	180.4C	161.2	-161.2	-180.4C	161.2	142.1	-180.3	-199.
	1.400	180.4C	161.2	-161.2	-180.4C	160.0	140.8	-181.6	-200.
	1.500	180.4C	161.2	-161.2	-180.4C	161.4	142.2	-180.2	-199.
	1.600	180.4C	161.2	-161.2	-180.4C	165.5	146.3	-176.1	-195.
	1.700	180.4C	161.2	-161.2	-180.4C	172.1	153.0	-169.4	-188.
	1.800	180.4C	161.2	-161.2	-180.4C	181.4	162.2	-160.2	-179.
	1.900	180.4C	161.2	-161.2	-180.4C	193.2	174.0	-148.3	-167.
1 1 5 4 6 3 4 8 6 8 4	2.000	180.4C	161.2	-161.2	-180.4C	207.6	188.5	-133.9	-153.
	2.000	180.4C	161.2	-161.2	-180.4C	207.6	188.5	-133.9	-153.
	2.100	180.4C	161.2	-161.2	-180.4C	195.2	176.0	-146.3	-165.
	2.200	180.4C	161.2	-161.2	-180.4C	185.4	166.2	-156.2	-175.
	2.300	180.4C	161.2	-161.2	-180.4C	178.1	158.9	-163.4	-182.
	2.400	180.4C	161.2	-161.2	-180.4C	173.4	154.3	-168.1	-187.
	2.500	180.4C	161.2	-161.2	-180.4C	171.3	152.1	-170.2	-189.
	2.600	180.4C	161.2	-161.2	-180.4C	172.0	152.8	-169.6	-188.
	2.700	180.4C	161.2	-161.2	-180.4C	175.2	156.0	-166.4	-185.
	2.800	180.4C	161.2	-161.2	-180.4C	181.0	161.8	-160.6	-179.
2.900	180.4C	161.2	-161.2	-180.4C	189.4	170.2	-152.2	-171.	

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 .	Positive		Moment Capacity Bending Negative		Available Capacity for LL+I			
	Bending		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

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
			Top		Bott.		Top	Bott.	
4 4 8 6 8 4 3 6 4 5 1	7.000	180.4C	161.2	-161.2	-180.4C	200.3	181.1	-141.2	-160.
	7.100	180.4C	161.2	-161.2	-180.4C	189.4	170.2	-152.2	-171.
	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	175.2	156.0	-166.4	-185.
	7.400	180.4C	161.2	-161.2	-180.4C	172.0	152.8	-169.6	-188.
	7.500	180.4C	161.2	-161.2	-180.4C	171.3	152.1	-170.2	-189.
	7.600	180.4C	161.2	-161.2	-180.4C	173.4	154.3	-168.1	-187.
	7.700	180.4C	161.2	-161.2	-180.4C	178.1	158.9	-163.4	-182.
	7.800	180.4C	161.2	-161.2	-180.4C	185.4	166.2	-156.2	-175.
	7.900	180.4C	161.2	-161.2	-180.4C	195.2	176.0	-146.3	-165.
8.000	180.4C	161.2	-161.2	-180.4C	207.6	188.5	-133.9	-153.	
1 5 4 6 3 4 8 5 7 3	8.000	180.4C	161.2	-161.2	-180.4C	207.6	188.5	-133.9	-153.
	8.100	180.4C	161.2	-161.2	-180.4C	193.2	174.0	-148.3	-167.
	8.200	180.4C	161.2	-161.2	-180.4C	181.4	162.2	-160.2	-179.
	8.300	180.4C	161.2	-161.2	-180.4C	172.1	153.0	-169.4	-188.
	8.400	180.4C	161.2	-161.2	-180.4C	165.5	146.3	-176.1	-195.
	8.500	180.4C	161.2	-161.2	-180.4C	161.4	142.2	-180.2	-199.
	8.600	180.4C	161.2	-161.2	-180.4C	160.0	140.8	-181.6	-200.
	8.700	180.4C	161.2	-161.2	-180.4C	161.2	142.1	-180.3	-199.
	8.800	180.4C	161.2	-161.2	-180.4C	165.0	145.9	-176.5	-195.
	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	top fiber +bend	Rating Factor -bend	bottom fiber +bend	Rating Factor -bend	Rating Value	Load Capacity (tons)
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	22.08	261.74	19.61	291.26	HS 392.17	705.9
1.200	13.13	135.78	11.61	150.54	HS 232.12	417.8
1.300	10.93	92.47	9.63	102.31	HS 192.63	346.7
1.400	10.86	69.82	9.56	77.21	HS 191.12	344.0
1.500	11.35	55.45	10.00	61.35	HS 200.09	360.2
1.600	12.80	45.15	11.31	50.07	HS 226.22	407.2
1.700	15.48	37.23	13.76	41.45	HS 275.12	495.2
1.800	26.16	30.80	23.39	34.49	HS 467.78	842.0
1.900	75.03	21.83	67.57	24.66	HS 436.64	786.0
2.000	119.21	10.61	108.19	12.13	HS 212.18	381.9
2.000	119.21	10.61	108.19	12.13	HS 212.18	381.9
2.100	72.95	17.29	65.78	19.55	HS 345.71	622.3
2.200	24.92	22.32	22.34	25.06	HS 446.37	803.5
2.300	16.99	28.14	15.16	31.44	HS 303.25	545.8
2.400	14.97	36.39	13.31	40.54	HS 266.20	479.2
2.500	15.44	49.61	13.71	55.20	HS 274.23	493.6
2.600	15.12	48.68	13.43	54.19	HS 268.60	483.5
2.700	17.18	38.21	15.30	42.61	HS 305.96	550.7
2.800	25.64	30.73	22.92	34.40	HS 458.44	825.2
2.900	62.72	22.28	56.37	25.09	HS 445.64	802.2
3.000	79.74	11.84	72.11	13.44	HS 236.69	426.0
3.000	79.74	11.84	72.11	13.44	HS 236.69	426.0
3.100	60.59	21.96	54.43	24.72	HS 439.14	790.5
3.200	25.38	30.65	22.67	34.29	HS 453.49	816.3
3.300	17.01	38.37	15.13	42.75	HS 302.63	544.7
3.400	14.90	49.32	13.22	54.83	HS 264.40	475.9
3.500	15.34	65.42	13.59	72.68	HS 271.88	489.4
3.600	14.96	49.60	13.27	55.16	HS 265.45	477.8
3.700	17.12	38.51	15.24	42.93	HS 304.81	548.7
3.800	25.65	30.69	22.93	34.36	HS 458.62	825.5
3.900	64.28	22.10	57.80	24.91	HS 442.02	795.6
4.000	104.75	11.72	94.81	13.33	HS 234.32	421.8

MOMENT RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	-bend		
4.000	104.75	11.72	94.81	13.33	HS 234.32	421.8
4.100	63.44	22.05	57.05	24.85	HS 441.05	793.9
4.200	25.68	30.62	22.96	34.29	HS 459.23	826.6
4.300	17.16	38.41	15.28	42.83	HS 305.58	550.0
4.400	15.00	49.45	13.32	55.01	HS 266.35	479.4
4.500	15.41	64.52	13.66	71.71	HS 273.27	491.9
4.600	14.99	49.52	13.31	55.08	HS 266.14	479.1
4.700	17.14	38.49	15.26	42.91	HS 305.10	549.2
4.800	25.63	30.72	22.91	34.39	HS 458.22	824.8
4.900	63.56	22.16	57.14	24.96	HS 443.11	797.6
5.000	102.72	11.77	92.94	13.39	HS 235.51	423.9
5.000	102.72	11.77	92.94	13.39	HS 235.51	423.9
5.100	62.53	22.16	56.21	24.96	HS 443.11	797.6
5.200	25.63	30.72	22.91	34.39	HS 458.22	824.8
5.300	17.14	38.49	15.26	42.91	HS 305.09	549.2
5.400	14.99	49.52	13.31	55.08	HS 266.14	479.1
5.500	15.41	64.52	13.66	71.71	HS 273.27	491.9
5.600	15.00	49.45	13.32	55.01	HS 266.35	479.4
5.700	17.16	38.41	15.28	42.83	HS 305.58	550.0
5.800	25.68	30.62	22.96	34.29	HS 459.23	826.6
5.900	64.49	22.05	58.00	24.85	HS 441.05	793.9
6.000	104.75	11.72	94.81	13.33	HS 234.34	421.8
6.000	104.75	11.72	94.81	13.33	HS 234.34	421.8
6.100	63.23	22.10	56.85	24.91	HS 442.02	795.6
6.200	25.65	30.69	22.93	34.36	HS 458.62	825.5
6.300	17.12	38.51	15.24	42.93	HS 304.81	548.7
6.400	14.96	49.60	13.27	55.16	HS 265.45	477.8
6.500	15.34	65.42	13.59	72.68	HS 271.88	489.4
6.600	14.90	49.32	13.22	54.83	HS 264.40	475.9
6.700	17.01	38.37	15.13	42.75	HS 302.63	544.7
6.800	25.38	30.65	22.67	34.29	HS 453.49	816.3
6.900	61.56	21.96	55.31	24.72	HS 439.14	790.5
7.000	79.75	11.85	72.11	13.46	HS 236.98	426.6

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

INV.

Rating Live Load:

HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	-bend		
7.000	79.74	11.85	72.11	13.46	HS 236.98	426.6
7.100	61.72	22.28	55.46	25.09	HS 445.64	802.1
7.200	25.64	30.73	22.92	34.40	HS 458.44	825.2
7.300	17.18	38.21	15.30	42.61	HS 305.96	550.7
7.400	15.12	48.68	13.43	54.19	HS 268.60	483.5
7.500	15.44	49.61	13.71	55.20	HS 274.23	493.6
7.600	14.97	36.39	13.31	40.54	HS 266.20	479.2
7.700	16.99	28.14	15.16	31.44	HS 303.25	545.8
7.800	24.92	22.32	22.34	25.06	HS 446.37	803.5
7.900	74.33	17.29	67.02	19.55	HS 345.71	622.3
8.000	119.21	10.61	108.19	12.13	HS 212.25	382.1
8.000	119.21	10.61	108.19	12.13	HS 212.25	382.1
8.100	73.61	21.82	66.30	24.65	HS 436.48	785.7
8.200	26.16	30.80	23.39	34.49	HS 467.78	842.0
8.300	15.48	37.23	13.76	41.45	HS 275.12	495.2
8.400	12.80	45.15	11.31	50.07	HS 226.22	407.2
8.500	11.35	55.44	10.00	61.35	HS 200.09	360.2
8.600	10.86	69.82	9.56	77.20	HS 191.12	344.0
8.700	10.93	92.47	9.63	102.31	HS 192.63	346.7
8.800	13.13	135.78	11.61	150.54	HS 232.12	417.8
8.900	22.08	261.74	19.61	291.26	HS 392.17	705.9
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	3.90	3.05	3.00	2.35
1.100	0.4	4.9	3.25	2.61	2.50	2.01
1.200	0.3	3.3	2.63	2.20	2.02	1.69
1.300	0.1	1.6	2.06	1.80	1.58	1.39
1.400	0.0	-0.1	1.54	1.44	1.18	1.11
1.500	-0.2	-1.7	-1.92	-1.75	-1.48	-1.34
1.600	-0.3	-3.5	-2.29	-2.09	-1.77	-1.60
1.700	-0.5	-5.1	-2.85	-2.42	-2.19	-1.86
1.800	-0.6	-6.7	-3.47	-2.73	-2.67	-2.10
1.900	-0.8	-8.4	-4.03	-3.03	-3.10	-2.33
2.000	-0.9	-10.0	-4.53	-3.30	-3.48	-2.54
2.000	0.8	-10.0	4.19	3.27	3.22	2.51
2.100	0.6	7.1	3.67	2.94	2.83	2.27
2.200	0.5	5.5	3.09	2.59	2.38	2.00
2.300	0.3	3.8	2.57	2.23	1.97	1.71
2.400	0.2	2.2	2.14	1.86	1.65	1.43
2.500	0.0	0.5	1.69	1.50	1.30	1.15
2.600	-0.1	-1.2	-2.13	-1.85	-1.64	-1.43
2.700	-0.3	-2.9	-2.55	-2.22	-1.96	-1.71
2.800	-0.4	-4.5	-3.13	-2.58	-2.40	-1.99
2.900	-0.6	-6.2	-3.71	-2.92	-2.85	-2.25
3.000	-0.7	-7.8	-4.25	-3.24	-3.27	-2.49
3.000	0.7	8.2	4.23	3.25	3.25	2.50
3.100	0.6	6.5	3.68	2.94	2.83	2.26
3.200	0.4	4.9	3.10	2.59	2.38	1.99
3.300	0.3	3.2	2.54	2.23	1.96	1.71
3.400	0.1	1.6	2.12	1.86	1.63	1.43
3.500	0.0	-0.1	1.68	-1.51	1.29	-1.16
3.600	-0.2	-1.8	-2.12	-1.87	-1.63	-1.44
3.700	-0.3	-3.5	-2.54	-2.24	-1.95	-1.72
3.800	-0.5	-5.1	-3.10	-2.60	-2.39	-2.00
3.900	-0.6	-6.8	-3.68	-2.95	-2.83	-2.27
4.000	-0.8	-8.4	-4.23	-3.26	-3.25	-2.51

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
4.000	0.7	-8.4	4.23	3.26	3.25	2.51
4.100	0.6	6.7	3.68	2.94	2.83	2.27
4.200	0.5	5.0	3.10	2.60	2.38	2.00
4.300	0.3	3.4	2.54	2.23	1.95	1.72
4.400	0.2	1.8	2.12	1.87	1.63	1.43
4.500	0.0	0.1	1.67	1.50	1.29	1.16
4.600	-0.1	-1.7	-2.12	-1.86	-1.63	-1.43
4.700	-0.3	-3.3	-2.54	-2.23	-1.95	-1.72
4.800	-0.4	-5.0	-3.10	-2.60	-2.38	-2.00
4.900	-0.6	-6.6	-3.68	-2.94	-2.83	-2.26
5.000	-0.7	-8.2	-4.23	-3.26	-3.25	-2.50
5.000	0.7	8.2	4.23	3.26	3.25	2.50
5.100	0.6	6.6	3.68	2.94	2.83	2.26
5.200	0.4	5.0	3.10	2.60	2.38	2.00
5.300	0.3	3.3	2.54	2.23	1.95	1.72
5.400	0.1	1.7	2.12	1.86	1.63	1.43
5.500	0.0	0.1	1.67	1.50	1.29	-1.16
5.600	-0.2	-1.8	-2.12	-1.87	-1.63	-1.43
5.700	-0.3	-3.4	-2.54	-2.23	-1.95	-1.72
5.800	-0.5	-5.0	-3.10	-2.60	-2.38	-2.00
5.900	-0.6	-6.7	-3.68	-2.94	-2.83	-2.27
6.000	-0.7	-8.3	-4.23	-3.26	-3.25	-2.51
6.000	0.8	8.4	4.23	3.26	3.25	2.51
6.100	0.6	6.8	3.68	2.95	2.83	2.27
6.200	0.5	5.1	3.10	2.60	2.39	2.00
6.300	0.3	3.5	2.54	2.24	1.95	1.72
6.400	0.2	1.8	2.12	1.87	1.63	1.44
6.500	0.0	0.2	1.68	1.51	1.29	1.16
6.600	-0.1	-1.6	-2.12	-1.86	-1.63	-1.43
6.700	-0.3	-3.2	-2.54	-2.23	-1.96	-1.71
6.800	-0.4	-4.9	-3.10	-2.59	-2.38	-1.99
6.900	-0.6	-6.5	-3.68	-2.94	-2.83	-2.26
7.000	-0.7	-8.2	-4.23	-3.25	-3.25	-2.50

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.
Rating Live Load: HS20

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane		Live Load w/o impact Truck Lane	
7.000	0.7	-8.2	4.25	3.24	3.27	2.49
7.100	0.6	6.2	3.71	2.92	2.85	2.25
7.200	0.4	4.5	3.13	2.58	2.40	1.99
7.300	0.3	2.9	2.55	2.22	1.96	1.71
7.400	0.1	1.2	2.13	1.85	1.64	1.43
7.500	0.0	-0.5	1.69	-1.50	1.30	1.15
7.600	-0.2	-2.2	-2.14	-1.86	-1.65	-1.43
7.700	-0.3	-3.8	-2.57	-2.23	-1.97	-1.71
7.800	-0.5	-5.5	-3.09	-2.59	-2.38	-2.00
7.900	-0.6	-7.1	-3.67	-2.94	-2.83	-2.27
8.000	-0.8	-8.8	-4.23	-3.27	-3.25	-2.51
8.000	0.9	10.0	4.53	3.30	3.48	2.54
8.100	0.8	8.4	4.03	3.03	3.10	2.33
8.200	0.6	6.7	3.47	2.73	2.67	2.10
8.300	0.5	5.1	2.85	2.42	2.19	1.86
8.400	0.3	3.5	2.29	2.09	1.77	1.60
8.500	0.2	1.8	1.92	1.75	1.48	1.34
8.600	0.0	0.1	-1.54	-1.44	-1.18	-1.11
8.700	-0.1	-1.6	-2.06	-1.80	-1.58	-1.39
8.800	-0.3	-3.3	-2.63	-2.20	-2.02	-1.69
8.900	-0.4	-4.9	-3.25	-2.61	-2.50	-2.01
9.000	-0.6	-6.6	-3.90	-3.05	-3.00	-2.35

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	279.13	16.79	HS 335.87	604.6
1.100	187.30	20.52	HS 410.43	738.8
1.200	96.21	25.76	HS 515.30	927.5
1.300	63.86	33.46	HS 999.00	999.0
1.400	47.07	45.34	HS 999.00	999.0
1.500	35.75	59.67	HS 999.00	999.0
1.600	29.44	86.98	HS 999.00	999.0
1.700	23.31	132.22	HS 466.19	839.1
1.800	18.86	222.89	HS 377.22	679.0
1.900	15.97	486.24	HS 319.35	574.8
2.000	13.97	999.00	HS 279.44	503.0
2.000	13.97	15.29	HS 279.44	503.0
2.100	206.17	17.74	HS 354.70	638.5
2.200	136.70	21.46	HS 429.11	772.4
2.300	87.76	26.24	HS 524.87	944.8
2.400	59.64	31.93	HS 999.00	999.0
2.500	41.47	41.19	HS 999.00	999.0
2.600	32.42	60.20	HS 999.00	999.0
2.700	26.63	85.47	HS 532.65	958.8
2.800	21.39	129.90	HS 427.77	770.0
2.900	17.75	148.60	HS 355.01	639.0
3.000	15.23	141.32	HS 304.52	548.1
3.000	15.23	15.25	HS 304.52	548.1
3.100	185.23	17.81	HS 356.26	641.3
3.200	131.22	21.51	HS 430.11	774.2
3.300	85.65	26.64	HS 532.85	959.1
3.400	60.36	32.48	HS 999.00	999.0
3.500	41.65	41.71	HS 999.00	999.0
3.600	32.42	60.58	HS 999.00	999.0
3.700	26.59	87.18	HS 531.76	957.2
3.800	21.43	134.47	HS 428.65	771.6
3.900	17.76	188.58	HS 355.13	639.2
4.000	15.21	180.88	HS 304.12	547.4

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	15.21	15.23	HS 304.12	547.4
4.100	188.52	17.78	HS 355.61	640.1
4.200	133.28	21.46	HS 429.28	772.7
4.300	86.61	26.62	HS 532.34	958.2
4.400	60.54	32.46	HS 999.00	999.0
4.500	41.74	41.66	HS 999.00	999.0
4.600	32.48	60.49	HS 999.00	999.0
4.700	26.64	86.18	HS 532.79	959.0
4.800	21.48	132.32	HS 429.62	773.3
4.900	17.80	186.49	HS 355.90	640.6
5.000	15.24	179.10	HS 304.75	548.5
5.000	15.24	15.24	HS 304.75	548.5
5.100	186.49	17.80	HS 355.90	640.6
5.200	132.32	21.48	HS 429.62	773.3
5.300	86.18	26.64	HS 532.79	959.0
5.400	60.49	32.48	HS 999.00	999.0
5.500	41.71	41.70	HS 999.00	999.0
5.600	32.46	60.54	HS 999.00	999.0
5.700	26.62	86.61	HS 532.34	958.2
5.800	21.46	133.28	HS 429.28	772.7
5.900	17.78	188.51	HS 355.61	640.1
6.000	15.23	180.95	HS 304.49	548.1
6.000	15.23	15.21	HS 304.12	547.4
6.100	188.58	17.76	HS 355.13	639.2
6.200	134.47	21.43	HS 428.65	771.6
6.300	87.18	26.59	HS 531.76	957.2
6.400	60.58	32.42	HS 999.00	999.0
6.500	41.76	41.60	HS 999.00	999.0
6.600	32.48	60.36	HS 999.00	999.0
6.700	26.64	85.65	HS 532.85	959.1
6.800	21.51	131.22	HS 430.11	774.2
6.900	17.81	185.23	HS 356.26	641.3
7.000	15.25	178.01	HS 305.01	549.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	15.25	15.23	HS 304.52	548.1
7.100	155.65	17.75	HS 355.01	639.0
7.200	129.90	21.39	HS 427.77	770.0
7.300	85.47	26.63	HS 532.65	958.8
7.400	60.20	32.42	HS 999.00	999.0
7.500	41.23	41.42	HS 999.00	999.0
7.600	31.93	59.64	HS 999.00	999.0
7.700	26.24	87.76	HS 524.87	944.8
7.800	21.46	136.70	HS 429.11	772.4
7.900	17.74	204.51	HS 354.70	638.5
8.000	15.15	193.04	HS 303.00	545.4
8.000	15.15	13.97	HS 279.44	503.0
8.100	486.23	15.97	HS 319.35	574.8
8.200	222.89	18.86	HS 377.22	679.0
8.300	132.22	23.31	HS 466.19	839.1
8.400	86.98	29.44	HS 999.00	999.0
8.500	59.74	35.71	HS 999.00	999.0
8.600	45.34	47.07	HS 999.00	999.0
8.700	33.46	63.86	HS 999.00	999.0
8.800	25.76	96.21	HS 515.30	927.5
8.900	20.52	187.30	HS 410.43	738.8
9.000	16.79	264.33	HS 335.87	604.6

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	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	167.6	167.6	-167.6	-167.6	167.6	167.6	-167.6	-1
67.6								
1.100	173.6	173.6	-161.7	-161.7	158.7	158.7	-176.6	-1
76.6								
1.200	177.9	177.9	-157.4	-157.4	152.3	152.3	-183.0	-1
83.0								
1.300	180.4	180.4	-154.9	-154.9	148.5	148.5	-186.8	-1
86.8								
1.400	181.2	181.2	-154.1	-154.1	147.3	147.3	-188.0	-1
88.0								
1.500	180.3	180.3	-155.0	-155.0	148.6	148.6	-186.7	-1
86.7								
1.600	177.6	177.6	-157.7	-157.7	152.7	152.7	-182.6	-1
82.6								
1.700	173.1	173.1	-162.1	-162.1	159.4	159.4	-175.9	-1
75.9								
1.800	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-1
66.6								
1.900	159.1	159.1	-176.2	-176.2	180.5	180.5	-154.8	-1
54.8								
2.000	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
40.4								
2.000	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
40.4								
2.100	157.7	157.7	-177.5	-177.5	182.5	182.5	-152.8	-1
52.8								
2.200	164.3	164.3	-171.0	-171.0	172.6	172.6	-162.6	-1
62.6								
2.300	169.1	169.1	-166.1	-166.1	165.4	165.4	-169.9	-1
69.9								
2.400	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
74.6								
2.500	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
76.7								
2.600	173.2	173.2	-162.0	-162.0	159.2	159.2	-176.0	-1
76.0								
2.700	171.1	171.1	-164.2	-164.2	162.5	162.5	-172.8	-1
72.8								
2.800	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
67.0								
2.900	161.6	161.6	-173.6	-173.6	176.6	176.6	-158.6	-1
58.6								

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

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	Bott.
4.000	153.0	153.0	-182.3	-182.3	189.6	189.6	-145.7	-145.7
4.100	160.8	160.8	-174.4	-174.4	177.8	177.8	-157.4	-157.4
4.200	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-166.6
4.300	171.4	171.4	-163.9	-163.9	162.1	162.1	-173.2	-173.2
4.400	174.0	174.0	-161.2	-161.2	158.0	158.0	-177.2	-177.2
4.500	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-178.7
4.600	174.1	174.1	-161.2	-161.2	157.9	157.9	-177.4	-177.4
4.700	171.5	171.5	-163.7	-163.7	161.8	161.8	-173.5	-173.5
4.800	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-167.0
4.900	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-158.0
5.000	153.5	153.5	-181.8	-181.8	188.9	188.9	-146.4	-146.4
5.000	153.5	153.5	-181.8	-181.8	188.9	188.9	-146.4	-146.4
5.100	161.2	161.2	-174.1	-174.1	177.3	177.3	-158.0	-158.0
5.200	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-167.0
5.300	171.5	171.5	-163.7	-163.7	161.8	161.8	-173.5	-173.5
5.400	174.1	174.1	-161.2	-161.2	157.9	157.9	-177.4	-177.4
5.500	175.0	175.0	-160.3	-160.3	156.6	156.6	-178.7	-178.7
5.600	174.0	174.0	-161.2	-161.2	158.0	158.0	-177.2	-177.2
5.700	171.4	171.4	-163.9	-163.9	162.1	162.1	-173.2	-173.2
5.800	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-166.6
5.900	160.8	160.8	-174.4	-174.4	177.8	177.8	-157.4	-157.4

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	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
7.000	154.3	154.3	-180.9	-180.9	187.6	187.6	-147.7	-1
47.7								
7.100	161.6	161.6	-173.6	-173.6	176.6	176.6	-158.6	-1
58.6								
7.200	167.2	167.2	-168.1	-168.1	168.3	168.3	-167.0	-1
67.0								
7.300	171.1	171.1	-164.2	-164.2	162.5	162.5	-172.8	-1
72.8								
7.400	173.2	173.2	-162.0	-162.0	159.2	159.2	-176.0	-1
76.0								
7.500	173.7	173.7	-161.6	-161.6	158.6	158.6	-176.7	-1
76.7								
7.600	172.3	172.3	-163.0	-163.0	160.7	160.7	-174.6	-1
74.6								
7.700	169.1	169.1	-166.1	-166.1	165.4	165.4	-169.9	-1
69.9								
7.800	164.3	164.3	-171.0	-171.0	172.6	172.6	-162.6	-1
62.6								
7.900	157.7	157.7	-177.5	-177.5	182.5	182.5	-152.8	-1
52.8								
8.000	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
40.4								
8.000	149.5	149.5	-185.8	-185.8	194.9	194.9	-140.4	-1
40.4								
8.100	159.1	159.1	-176.2	-176.2	180.5	180.5	-154.8	-1
54.8								
8.200	167.0	167.0	-168.3	-168.3	168.7	168.7	-166.6	-1
66.6								
8.300	173.1	173.1	-162.1	-162.1	159.4	159.4	-175.9	-1
75.9								
8.400	177.6	177.6	-157.7	-157.7	152.7	152.7	-182.6	-1
82.6								
8.500	180.3	180.3	-155.0	-155.0	148.6	148.6	-186.7	-1
86.7								
8.600	181.2	181.2	-154.1	-154.1	147.3	147.3	-188.0	-1
88.0								
8.700	180.4	180.4	-154.9	-154.9	148.5	148.5	-186.8	-1
86.8								
8.800	177.9	177.9	-157.4	-157.4	152.3	152.3	-183.0	-1
83.0								
8.900	173.6	173.6	-161.7	-161.7	158.7	158.7	-176.6	-1
76.6								

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

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	HS 999.00	999.0
1.100	20.44	271.66	20.44	271.66	HS 408.78	735.8
1.200	12.12	140.74	12.12	140.74	HS 242.38	436.3
1.300	10.07	95.78	10.07	95.78	HS 201.38	362.5
1.400	9.99	72.30	9.99	72.30	HS 199.87	359.8
1.500	10.46	57.43	10.46	57.43	HS 209.16	376.5
1.600	11.81	46.81	11.81	46.81	HS 236.19	425.1
1.700	14.34	38.65	14.34	38.65	HS 286.71	516.1
1.800	24.32	32.04	24.32	32.04	HS 486.37	875.5
1.900	70.08	22.78	70.08	22.78	HS 455.62	820.1
2.000	111.89	11.12	111.89	11.12	HS 222.40	400.3
2.000	111.89	11.12	111.89	11.12	HS 222.40	400.3
2.100	68.19	18.05	68.19	18.05	HS 360.94	649.7
2.200	23.21	23.24	23.21	23.24	HS 464.24	835.6
2.300	15.78	29.25	15.78	29.25	HS 315.55	568.0
2.400	13.87	37.78	13.87	37.78	HS 277.33	499.2
2.500	14.29	51.49	14.29	51.49	HS 285.86	514.5
2.600	14.00	50.53	14.00	50.53	HS 279.94	503.9
2.700	15.93	39.69	15.93	39.69	HS 318.60	573.5
2.800	23.84	31.96	23.84	31.96	HS 476.71	858.1
2.900	58.50	23.23	58.50	23.23	HS 464.52	836.1
3.000	74.67	12.38	74.67	12.38	HS 247.50	445.5
3.000	74.67	12.38	74.67	12.38	HS 247.50	445.5
3.100	56.50	22.88	56.50	22.88	HS 457.68	823.8
3.200	23.58	31.87	23.58	31.87	HS 471.67	849.0
3.300	15.76	39.84	15.76	39.84	HS 315.27	567.5
3.400	13.79	51.17	13.79	51.17	HS 275.71	496.3
3.500	14.18	67.86	14.18	67.86	HS 283.61	510.5
3.600	13.84	51.47	13.84	51.47	HS 276.78	498.2
3.700	15.87	40.00	15.87	40.00	HS 317.47	571.4
3.800	23.84	31.93	23.84	31.93	HS 476.88	858.4
3.900	59.97	23.04	59.97	23.04	HS 460.88	829.6
4.000	98.15	12.26	98.15	12.26	HS 245.17	441.3

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
4.000	98.15	12.26	98.15	12.26	HS 245.17	441.3
4.100	59.19	22.99	59.19	22.99	HS 459.88	827.8
4.200	23.87	31.85	23.87	31.85	HS 477.49	859.5
4.300	15.91	39.89	15.91	39.89	HS 318.24	572.8
4.400	13.88	51.32	13.88	51.32	HS 277.68	499.8
4.500	14.25	66.94	14.25	66.94	HS 285.01	513.0
4.600	13.87	51.39	13.87	51.39	HS 277.47	499.5
4.700	15.89	39.97	15.89	39.97	HS 317.76	572.0
4.800	23.82	31.95	23.82	31.95	HS 476.48	857.7
4.900	59.29	23.10	59.29	23.10	HS 461.97	831.5
5.000	96.22	12.32	96.22	12.32	HS 246.36	443.5
5.000	96.22	12.32	96.22	12.32	HS 246.36	443.5
5.100	58.33	23.10	58.33	23.10	HS 461.96	831.5
5.200	23.82	31.95	23.82	31.95	HS 476.48	857.7
5.300	15.89	39.97	15.89	39.97	HS 317.76	572.0
5.400	13.87	51.38	13.87	51.38	HS 277.47	499.5
5.500	14.25	66.94	14.25	66.94	HS 285.01	513.0
5.600	13.88	51.32	13.88	51.32	HS 277.68	499.8
5.700	15.91	39.89	15.91	39.89	HS 318.24	572.8
5.800	23.87	31.85	23.87	31.85	HS 477.49	859.5
5.900	60.18	22.99	60.18	22.99	HS 459.88	827.8
6.000	98.15	12.26	98.15	12.26	HS 245.19	441.3
6.000	98.15	12.26	98.15	12.26	HS 245.19	441.4
6.100	59.00	23.04	59.00	23.04	HS 460.87	829.6
6.200	23.84	31.92	23.84	31.92	HS 476.88	858.4
6.300	15.87	40.00	15.87	40.00	HS 317.47	571.4
6.400	13.84	51.47	13.84	51.47	HS 276.78	498.2
6.500	14.18	67.86	14.18	67.86	HS 283.61	510.5
6.600	13.79	51.17	13.79	51.17	HS 275.71	496.3
6.700	15.76	39.84	15.76	39.84	HS 315.27	567.5
6.800	23.58	31.87	23.58	31.87	HS 471.68	849.0
6.900	57.41	22.88	57.41	22.88	HS 457.68	823.8
7.000	74.67	12.39	74.67	12.39	HS 247.80	446.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: INV.

Rating Live Load: HS20

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor -bend	bottom fiber +bend	-bend		
7.000	74.67	12.39	74.67	12.39	HS 247.80	446.0
7.100	57.56	23.23	57.56	23.23	HS 464.52	836.1
7.200	23.83	31.96	23.83	31.96	HS 476.71	858.1
7.300	15.93	39.69	15.93	39.69	HS 318.60	573.5
7.400	14.00	50.53	14.00	50.53	HS 279.94	503.9
7.500	14.29	51.49	14.29	51.49	HS 285.86	514.5
7.600	13.87	37.78	13.87	37.78	HS 277.33	499.2
7.700	15.78	29.25	15.78	29.25	HS 315.55	568.0
7.800	23.21	23.24	23.21	23.24	HS 464.24	835.6
7.900	69.48	18.05	69.48	18.05	HS 360.94	649.7
8.000	111.89	11.12	111.89	11.12	HS 222.47	400.4
8.000	111.89	11.12	111.89	11.12	HS 222.47	400.4
8.100	68.76	22.77	68.76	22.77	HS 455.45	819.8
8.200	24.32	32.04	24.32	32.04	HS 486.37	875.5
8.300	14.34	38.65	14.34	38.65	HS 286.71	516.1
8.400	11.81	46.81	11.81	46.81	HS 236.19	425.1
8.500	10.46	57.43	10.46	57.43	HS 209.16	376.5
8.600	9.99	72.30	9.99	72.30	HS 199.87	359.8
8.700	10.07	95.77	10.07	95.77	HS 201.38	362.5
8.800	12.12	140.74	12.12	140.74	HS 242.38	436.3
8.900	20.44	271.66	20.44	271.66	HS 408.78	735.8
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: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
1.000	0.0	0.0	0.00 R 0.00	0.00 0.00
1.100	1.2	13.7	6.22 R 0.00	4.78 0.00
1.200	2.1	23.5	10.20 R 0.00	7.85 0.00
1.300	2.6	29.3	12.18 R 0.00	9.37 0.00
1.400	2.8	31.2	12.71 L 0.00	9.77 0.00
1.500	2.6	29.1	12.35 L 0.00	9.50 0.00
1.600	2.0	22.8	11.32 L 0.00	8.71 0.00
1.700	1.1	12.6	9.40 R 0.00	7.23 0.00
1.800	-0.2	-1.5	6.55 R 0.00	5.04 0.00
1.900	-1.8	-19.6	-5.48 L 0.00	-4.22 0.00
2.000	-3.8	-41.7	-9.14 R 0.00	-7.03 0.00
2.000	-3.8	-41.7	-9.14 R 0.00	-7.03 0.00
2.100	-2.1	-22.7	-6.65 L 0.00	-5.12 0.00
2.200	-0.7	-7.6	5.83 R 0.00	4.49 0.00
2.300	0.3	3.5	8.54 R 0.00	6.57 0.00
2.400	0.9	10.7	9.97 R 0.00	7.67 0.00
2.500	1.2	13.9	10.52 R 0.00	8.09 0.00
2.600	1.1	12.9	10.12 L 0.00	7.79 0.00
2.700	0.7	8.0	8.88 R 0.00	6.83 0.00
2.800	-0.1	-0.9	6.60 R 0.00	5.08 0.00
2.900	-1.3	-13.7	-5.15 R 0.00	-3.96 0.00
3.000	-2.8	-30.5	-7.47 L 0.00	-5.74 0.00
3.000	-2.8	-30.5	-7.47 L 0.00	-5.74 0.00
3.100	-1.2	-12.9	-5.28 L 0.00	-4.06 0.00
3.200	0.0	0.7	6.85 L 0.00	5.27 0.00
3.300	0.9	10.4	9.00 L 0.00	6.92 0.00
3.400	1.4	16.1	10.11 R 0.00	7.78 0.00
3.500	1.6	18.0	10.46 L 0.00	8.05 0.00
3.600	1.4	15.5	10.04 L 0.00	7.72 0.00
3.700	0.8	9.2	8.84 R 0.00	6.80 0.00
3.800	-0.1	-1.1	6.60 R 0.00	5.08 0.00
3.900	-1.4	-15.4	-5.19 R 0.00	-3.99 0.00
4.000	-3.0	-33.5	-7.48 L 0.00	-5.75 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
4.000	-3.0	-33.5	-7.48 L 0.00	-5.75 0.00
4.100	-1.4	-15.6	-5.20 L 0.00	-4.00 0.00
4.200	-0.2	-1.5	6.62 L 0.00	5.09 0.00
4.300	0.7	8.6	8.85 L 0.00	6.80 0.00
4.400	1.3	14.7	10.04 R 0.00	7.72 0.00
4.500	1.5	16.9	10.38 L 0.00	7.99 0.00
4.600	1.3	14.9	10.03 L 0.00	7.72 0.00
4.700	0.8	9.0	8.84 R 0.00	6.80 0.00
4.800	-0.1	-0.9	6.61 R 0.00	5.08 0.00
4.900	-1.3	-14.8	-5.19 R 0.00	-3.99 0.00
5.000	-2.9	-32.5	-7.48 R 0.00	-5.75 0.00
5.000	-2.9	-32.5	-7.48 R 0.00	-5.75 0.00
5.100	-1.3	-14.8	-5.19 L 0.00	-3.99 0.00
5.200	-0.1	-0.9	6.61 L 0.00	5.08 0.00
5.300	0.8	9.0	8.84 L 0.00	6.80 0.00
5.400	1.3	14.9	10.03 R 0.00	7.72 0.00
5.500	1.5	16.9	10.38 R 0.00	7.99 0.00
5.600	1.3	14.7	10.04 L 0.00	7.72 0.00
5.700	0.7	8.6	8.85 R 0.00	6.80 0.00
5.800	-0.2	-1.5	6.62 R 0.00	5.09 0.00
5.900	-1.4	-15.6	-5.20 R 0.00	-4.00 0.00
6.000	-3.0	-33.5	-7.48 R 0.00	-5.75 0.00
6.000	-3.0	-33.5	-7.48 R 0.00	-5.75 0.00
6.100	-1.4	-15.4	-5.19 L 0.00	-3.99 0.00
6.200	-0.1	-1.1	6.60 L 0.00	5.08 0.00
6.300	0.8	9.2	8.84 L 0.00	6.80 0.00
6.400	1.4	15.5	10.04 R 0.00	7.72 0.00
6.500	1.6	18.0	10.46 R 0.00	8.05 0.00
6.600	1.4	16.1	10.11 L 0.00	7.78 0.00
6.700	0.9	10.4	9.00 R 0.00	6.92 0.00
6.800	0.0	0.7	6.85 R 0.00	5.27 0.00
6.900	-1.2	-12.9	-5.28 R 0.00	-4.06 0.00
7.000	-2.8	-30.5	-7.46 R 0.00	-5.74 0.00

MOMENT REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck Lane	Live Load w/o impact Truck Lane
7.000	-2.8	-30.5	-7.46 R 0.00	-5.74 0.00
7.100	-1.3	-13.7	-5.15 L 0.00	-3.96 0.00
7.200	-0.1	-0.9	6.60 L 0.00	5.08 0.00
7.300	0.7	8.0	8.88 L 0.00	6.83 0.00
7.400	1.1	12.9	10.12 R 0.00	7.79 0.00
7.500	1.2	13.9	10.52 L 0.00	8.09 0.00
7.600	0.9	10.7	9.97 L 0.00	7.67 0.00
7.700	0.3	3.5	8.54 L 0.00	6.57 0.00
7.800	-0.7	-7.6	5.83 L 0.00	4.49 0.00
7.900	-2.1	-22.7	-6.65 R 0.00	-5.12 0.00
8.000	-3.8	-41.7	-9.14 L 0.00	-7.03 0.00
8.000	-3.8	-41.7	-9.14 L 0.00	-7.03 0.00
8.100	-1.8	-19.6	-5.48 R 0.00	-4.22 0.00
8.200	-0.2	-1.5	6.55 L 0.00	5.04 0.00
8.300	1.1	12.6	9.40 L 0.00	7.23 0.00
8.400	2.0	22.8	11.32 R 0.00	8.71 0.00
8.500	2.6	29.1	12.35 R 0.00	9.50 0.00
8.600	2.8	31.2	12.71 R 0.00	9.77 0.00
8.700	2.6	29.3	12.18 L 0.00	9.37 0.00
8.800	2.1	23.5	10.20 L 0.00	7.85 0.00
8.900	1.2	13.7	6.22 L 0.00	4.78 0.00
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. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span ng .	Positive		Moment Capacity Bending Negative		Available Capacity for LL+I			
	Bending		Bending		Positive Bending		Negative Bendi	
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott
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.
6 1.200	300.6C	268.7	-268.7	-300.6C	275.1	243.1	-294.2	-326.
2 1.300	300.6C	268.7	-268.7	-300.6C	268.7	236.8	-300.6	-332.
5 1.400	300.6C	268.7	-268.7	-300.6C	266.7	234.7	-302.6	-334.
6 1.500	300.6C	268.7	-268.7	-300.6C	268.9	236.9	-300.4	-332.
3 1.600	300.6C	268.7	-268.7	-300.6C	275.8	243.8	-293.5	-325.
5 1.700	300.6C	268.7	-268.7	-300.6C	286.9	254.9	-282.4	-314.
4 1.800	300.6C	268.7	-268.7	-300.6C	302.3	270.4	-267.0	-298.
9 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.
2 2.100	300.6C	268.7	-268.7	-300.6C	325.4	293.4	-243.9	-275.
9 2.200	300.6C	268.7	-268.7	-300.6C	309.0	277.0	-260.3	-292.
3 2.300	300.6C	268.7	-268.7	-300.6C	296.9	264.9	-272.4	-304.
4 2.400	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.
2 2.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.
7 2.600	300.6C	268.7	-268.7	-300.6C	286.6	254.7	-282.7	-314.
6 2.700	300.6C	268.7	-268.7	-300.6C	292.0	260.0	-277.3	-309.
3 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.
6								

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: 5C1

Span ng .	Positive Top	Moment Capacity		Bending Bott.	Available Capacity for LL+I				
		Bending	Negative		Positive	Bending	Negative	Bendi	
			Top			Top		Bott	
1 7 9 9 6 0 9 4 6 5 2	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.	
2 5 6 4 9 0 6 9 9 7	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: 5C1

Span ng .	Positive Top	Moment Capacity Bending		Negative Top	Bending Bott.	Available Capacity for LL+I			
		Positive Top	Bending Bott.			Negative Top	Bending Bott.		
4	7.000	300.6C	268.7	-268.7	-300.6C	333.9	301.9	-235.4	-267.7
6	7.100	300.6C	268.7	-268.7	-300.6C	315.6	283.6	-253.7	-285.6
6	7.200	300.6C	268.7	-268.7	-300.6C	301.7	269.7	-267.6	-299.6
3	7.300	300.6C	268.7	-268.7	-300.6C	292.0	260.0	-277.3	-309.3
6	7.400	300.6C	268.7	-268.7	-300.6C	286.6	254.7	-282.7	-314.6
7	7.500	300.6C	268.7	-268.7	-300.6C	285.6	253.6	-283.7	-315.7
2	7.600	300.6C	268.7	-268.7	-300.6C	289.1	257.1	-280.2	-312.2
4	7.700	300.6C	268.7	-268.7	-300.6C	296.9	264.9	-272.4	-304.4
3	7.800	300.6C	268.7	-268.7	-300.6C	309.0	277.0	-260.3	-292.3
9	7.900	300.6C	268.7	-268.7	-300.6C	325.4	293.4	-243.9	-275.9
2	8.000	300.6C	268.7	-268.7	-300.6C	346.1	314.1	-223.2	-255.2
2	8.000	300.6C	268.7	-268.7	-300.6C	346.1	314.1	-223.2	-255.2
2	8.100	300.6C	268.7	-268.7	-300.6C	322.1	290.1	-247.2	-279.2
9	8.200	300.6C	268.7	-268.7	-300.6C	302.3	270.4	-267.0	-298.9
4	8.300	300.6C	268.7	-268.7	-300.6C	286.9	254.9	-282.4	-314.4
5	8.400	300.6C	268.7	-268.7	-300.6C	275.8	243.8	-293.5	-325.5
3	8.500	300.6C	268.7	-268.7	-300.6C	268.9	236.9	-300.4	-332.3
6	8.600	300.6C	268.7	-268.7	-300.6C	266.7	234.7	-302.6	-334.6
5	8.700	300.6C	268.7	-268.7	-300.6C	268.7	236.8	-300.6	-332.5
2	8.800	300.6C	268.7	-268.7	-300.6C	275.1	243.1	-294.2	-326.2
6	8.900	300.6C	268.7	-268.7	-300.6C	285.7	253.7	-283.6	-315.6

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:

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	45.97	480.43	40.82	534.62	0.00	999.0
1.200	26.96	249.22	23.82	276.32	0.00	952.9
1.300	22.06	169.73	19.44	187.79	0.00	777.4
1.400	20.99	128.16	18.47	141.71	0.00	738.8
1.500	21.77	101.77	19.19	112.61	0.00	767.4
1.600	24.37	82.88	21.54	91.91	0.00	861.7
1.700	30.52	68.34	27.12	76.08	0.00	999.0
1.800	46.18	56.53	41.30	63.31	0.00	999.0
1.900	108.40	45.08	97.64	50.91	0.00	999.0
2.000	236.49	24.42	214.63	27.92	0.00	977.0
2.000	236.49	24.42	214.63	27.92	0.00	977.0
2.100	122.46	36.68	110.42	41.49	0.00	999.0
2.200	52.97	45.12	47.48	50.67	0.00	999.0
2.300	34.76	51.62	31.01	57.68	0.00	999.0
2.400	28.99	57.65	25.79	64.23	0.00	999.0
2.500	27.15	61.81	24.11	68.77	0.00	964.4
2.600	28.32	63.67	25.16	70.87	0.00	999.0
2.700	32.90	61.79	29.30	68.92	0.00	999.0
2.800	45.71	57.13	40.86	63.96	0.00	999.0
2.900	94.78	49.25	85.17	55.46	0.00	999.0
3.000	166.10	31.53	150.18	35.81	0.00	999.0
3.000	166.10	31.53	150.18	35.81	0.00	999.0
3.100	85.39	48.22	76.71	54.28	0.00	999.0
3.200	43.78	56.47	39.11	63.18	0.00	999.0
3.300	32.16	62.65	28.61	69.80	0.00	999.0
3.400	28.00	67.53	24.84	75.08	0.00	999.0
3.500	26.87	69.57	23.81	77.29	0.00	952.4
3.600	28.27	68.12	25.09	75.75	0.00	999.0
3.700	32.89	63.15	29.27	70.40	0.00	999.0
3.800	45.72	56.99	40.87	63.80	0.00	999.0
3.900	94.57	48.55	85.04	54.72	0.00	999.0
4.000	213.89	31.04	193.60	35.31	0.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
4.000	213.89	31.04	193.60	35.31	0.00	999.0
4.100	93.93	48.42	84.47	54.58	0.00	999.0
4.200	45.66	56.82	40.83	63.62	0.00	999.0
4.300	32.94	63.02	29.32	70.27	0.00	999.0
4.400	28.36	67.88	25.18	75.50	0.00	999.0
4.500	27.18	69.81	24.10	77.59	0.00	964.0
4.600	28.36	68.21	25.17	75.87	0.00	999.0
4.700	32.92	63.17	29.30	70.43	0.00	999.0
4.800	45.67	57.02	40.83	63.84	0.00	999.0
4.900	94.28	48.65	84.76	54.81	0.00	999.0
5.000	212.14	31.18	191.95	35.46	0.00	999.0
5.000	212.14	31.18	191.95	35.46	0.00	999.0
5.100	94.28	48.65	84.75	54.81	0.00	999.0
5.200	45.67	57.02	40.83	63.84	0.00	999.0
5.300	32.92	63.17	29.30	70.43	0.00	999.0
5.400	28.36	67.97	25.17	75.60	0.00	999.0
5.500	27.18	69.81	24.10	77.59	0.00	964.0
5.600	28.36	68.12	25.18	75.78	0.00	999.0
5.700	32.94	63.02	29.32	70.27	0.00	999.0
5.800	45.66	56.82	40.83	63.62	0.00	999.0
5.900	93.93	48.43	84.47	54.58	0.00	999.0
6.000	222.88	31.05	201.74	35.32	0.00	999.0
6.000	222.88	31.05	201.74	35.32	0.00	999.0
6.100	94.57	48.55	85.04	54.72	0.00	999.0
6.200	45.72	56.99	40.87	63.80	0.00	999.0
6.300	32.89	63.15	29.27	70.40	0.00	999.0
6.400	28.27	68.12	25.09	75.75	0.00	999.0
6.500	26.87	69.57	23.81	77.29	0.00	952.4
6.600	28.00	67.79	24.84	75.37	0.00	999.0
6.700	32.16	62.65	28.61	69.80	0.00	999.0
6.800	43.78	56.47	39.11	63.18	0.00	999.0
6.900	85.39	48.22	76.71	54.28	0.00	999.0
7.000	166.10	31.54	150.18	35.82	0.00	999.0

MOMENT RATING REPORT

Structure I. D.

HAM500

Member I. D.

S03

Rating Type:

OPER.

Rating Live Load:

5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
7.000	166.10	31.54	150.18	35.82	0.00	999.0
7.100	94.77	49.25	85.17	55.46	0.00	999.0
7.200	45.71	57.13	40.86	63.96	0.00	999.0
7.300	32.90	61.79	29.30	68.92	0.00	999.0
7.400	28.32	63.67	25.16	70.87	0.00	999.0
7.500	27.15	61.81	24.11	68.77	0.00	964.4
7.600	28.99	57.66	25.79	64.24	0.00	999.0
7.700	34.76	51.62	31.02	57.68	0.00	999.0
7.800	52.97	45.12	47.48	50.67	0.00	999.0
7.900	122.46	36.68	110.43	41.49	0.00	999.0
8.000	236.49	24.42	214.63	27.92	0.00	977.0
8.000	236.49	24.42	214.63	27.92	0.00	977.0
8.100	108.40	45.08	97.63	50.91	0.00	999.0
8.200	46.18	56.53	41.30	63.31	0.00	999.0
8.300	30.52	68.34	27.12	76.08	0.00	999.0
8.400	24.37	82.88	21.54	91.91	0.00	861.7
8.500	21.77	101.77	19.19	112.61	0.00	767.4
8.600	20.99	128.16	18.47	141.71	0.00	738.8
8.700	22.06	169.73	19.44	187.79	0.00	777.4
8.800	26.96	249.22	23.82	276.31	0.00	952.9
8.900	45.97	480.43	40.82	534.61	0.00	999.0
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: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck	
1.000	0.6	6.6	3.09	0.00	2.38	0.00
1.100	0.4	4.9	2.60	0.00	2.00	0.00
1.200	0.3	3.3	2.13	0.00	1.64	0.00
1.300	0.1	1.6	1.70	0.00	1.31	0.00
1.400	0.0	-0.1	-1.37	0.00	-1.06	0.00
1.500	-0.2	-1.7	-1.66	0.00	-1.27	0.00
1.600	-0.3	-3.5	-1.99	0.00	-1.53	0.00
1.700	-0.5	-5.1	-2.33	0.00	-1.79	0.00
1.800	-0.6	-6.7	-2.68	0.00	-2.06	0.00
1.900	-0.8	-8.4	-3.06	0.00	-2.35	0.00
2.000	-0.9	-10.0	-3.39	0.00	-2.61	0.00
2.000	0.8	-10.0	3.25	0.00	2.50	0.00
2.100	0.6	7.1	2.87	0.00	2.21	0.00
2.200	0.5	5.5	2.44	0.00	1.88	0.00
2.300	0.3	3.8	2.01	0.00	1.55	0.00
2.400	0.2	2.2	1.67	0.00	1.29	0.00
2.500	0.0	0.5	1.38	0.00	1.06	0.00
2.600	-0.1	-1.2	-1.65	0.00	-1.27	0.00
2.700	-0.3	-2.9	-2.02	0.00	-1.55	0.00
2.800	-0.4	-4.5	-2.42	0.00	-1.87	0.00
2.900	-0.6	-6.2	-2.83	0.00	-2.18	0.00
3.000	-0.7	-7.8	-3.21	0.00	-2.47	0.00
3.000	0.7	8.2	3.18	0.00	2.45	0.00
3.100	0.6	6.5	2.80	0.00	2.15	0.00
3.200	0.4	4.9	2.39	0.00	1.84	0.00
3.300	0.3	3.2	2.00	0.00	1.54	0.00
3.400	0.1	1.6	1.66	0.00	1.28	0.00
3.500	0.0	-0.1	-1.33	0.00	-1.02	0.00
3.600	-0.2	-1.8	-1.66	0.00	-1.28	0.00
3.700	-0.3	-3.5	-2.00	0.00	-1.54	0.00
3.800	-0.5	-5.1	-2.41	0.00	-1.85	0.00
3.900	-0.6	-6.8	-2.81	0.00	-2.16	0.00
4.000	-0.8	-8.4	-3.20	0.00	-2.46	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck	
4.000	0.7	-8.4	3.20	0.00	2.46	0.00
4.100	0.6	6.7	2.81	0.00	2.16	0.00
4.200	0.5	5.0	2.40	0.00	1.85	0.00
4.300	0.3	3.4	2.00	0.00	1.54	0.00
4.400	0.2	1.8	1.66	0.00	1.28	0.00
4.500	0.0	0.1	1.32	0.00	1.02	0.00
4.600	-0.1	-1.7	-1.66	0.00	-1.28	0.00
4.700	-0.3	-3.3	-2.00	0.00	-1.54	0.00
4.800	-0.4	-5.0	-2.40	0.00	-1.85	0.00
4.900	-0.6	-6.6	-2.81	0.00	-2.16	0.00
5.000	-0.7	-8.2	-3.20	0.00	-2.46	0.00
5.000	0.7	8.2	3.20	0.00	2.46	0.00
5.100	0.6	6.6	2.81	0.00	2.16	0.00
5.200	0.4	5.0	2.40	0.00	1.85	0.00
5.300	0.3	3.3	2.00	0.00	1.54	0.00
5.400	0.1	1.7	1.66	0.00	1.28	0.00
5.500	0.0	0.1	1.32	0.00	1.02	0.00
5.600	-0.2	-1.8	-1.66	0.00	-1.28	0.00
5.700	-0.3	-3.4	-2.00	0.00	-1.54	0.00
5.800	-0.5	-5.0	-2.40	0.00	-1.85	0.00
5.900	-0.6	-6.7	-2.81	0.00	-2.16	0.00
6.000	-0.7	-8.3	-3.20	0.00	-2.46	0.00
6.000	0.8	8.4	3.20	0.00	2.46	0.00
6.100	0.6	6.8	2.81	0.00	2.16	0.00
6.200	0.5	5.1	2.41	0.00	1.85	0.00
6.300	0.3	3.5	2.00	0.00	1.54	0.00
6.400	0.2	1.8	1.66	0.00	1.28	0.00
6.500	0.0	0.2	1.33	0.00	1.02	0.00
6.600	-0.1	-1.6	-1.66	0.00	-1.28	0.00
6.700	-0.3	-3.2	-2.00	0.00	-1.54	0.00
6.800	-0.4	-4.9	-2.39	0.00	-1.84	0.00
6.900	-0.6	-6.5	-2.80	0.00	-2.15	0.00
7.000	-0.7	-8.2	-3.18	0.00	-2.45	0.00

SHEAR REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Dead Load	Superimposed Dead Load	Live Load w/impact Truck		Live Load w/o impact Truck	
7.000	0.7	-8.2	3.21	0.00	2.47	0.00
7.100	0.6	6.2	2.83	0.00	2.18	0.00
7.200	0.4	4.5	2.42	0.00	1.87	0.00
7.300	0.3	2.9	2.02	0.00	1.55	0.00
7.400	0.1	1.2	1.65	0.00	1.27	0.00
7.500	0.0	-0.5	-1.38	0.00	-1.06	0.00
7.600	-0.2	-2.2	-1.67	0.00	-1.29	0.00
7.700	-0.3	-3.8	-2.01	0.00	-1.55	0.00
7.800	-0.5	-5.5	-2.44	0.00	-1.88	0.00
7.900	-0.6	-7.1	-2.87	0.00	-2.21	0.00
8.000	-0.8	-8.8	-3.27	0.00	-2.52	0.00
8.000	0.9	10.0	3.39	0.00	2.61	0.00
8.100	0.8	8.4	3.06	0.00	2.35	0.00
8.200	0.6	6.7	2.68	0.00	2.06	0.00
8.300	0.5	5.1	2.33	0.00	1.79	0.00
8.400	0.3	3.5	1.99	0.00	1.53	0.00
8.500	0.2	1.8	1.66	0.00	1.27	0.00
8.600	0.0	0.1	1.34	0.00	1.03	0.00
8.700	-0.1	-1.6	-1.70	0.00	-1.31	0.00
8.800	-0.3	-3.3	-2.13	0.00	-1.64	0.00
8.900	-0.4	-4.9	-2.60	0.00	-2.00	0.00
9.000	-0.6	-6.6	-3.09	0.00	-2.38	0.00

SHEAR CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Shear Capacity VU	Available Capacity for LL+I	
		(-)	(+)
1.000	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: 5C1

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: 5C1

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: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
1.000	500.44	35.38	0.00	999.0
1.100	283.49	42.72	0.00	999.0
1.200	180.85	52.89	0.00	999.0
1.300	116.74	67.51	0.00	999.0
1.400	84.65	87.64	0.00	999.0
1.500	69.14	114.65	0.00	999.0
1.600	56.71	158.65	0.00	999.0
1.700	47.56	240.39	0.00	999.0
1.800	40.63	429.69	0.00	999.0
1.900	35.08	999.00	0.00	999.0
2.000	31.06	999.00	0.00	999.0
2.000	31.06	32.86	0.00	999.0
2.100	346.82	37.83	0.00	999.0
2.200	219.71	45.18	0.00	999.0
2.300	152.45	55.85	0.00	999.0
2.400	112.54	68.12	0.00	999.0
2.500	86.96	83.98	0.00	999.0
2.600	69.56	104.85	0.00	999.0
2.700	56.03	136.00	0.00	999.0
2.800	45.95	185.61	0.00	999.0
2.900	38.75	271.94	0.00	999.0
3.000	33.56	294.36	0.00	999.0
3.000	33.56	33.80	0.00	999.0
3.100	340.26	39.08	0.00	999.0
3.200	221.10	46.38	0.00	999.0
3.300	154.43	56.40	0.00	999.0
3.400	113.97	68.96	0.00	999.0
3.500	87.72	88.44	0.00	999.0
3.600	68.74	114.65	0.00	999.0
3.700	56.22	154.86	0.00	999.0
3.800	46.04	220.57	0.00	999.0
3.900	38.75	336.34	0.00	999.0
4.000	33.50	391.27	0.00	999.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
4.000	33.50	33.55	0.00	999.0
4.100	340.41	38.81	0.00	999.0
4.200	221.62	46.12	0.00	999.0
4.300	154.88	56.29	0.00	999.0
4.400	114.30	68.81	0.00	999.0
4.500	88.08	87.94	0.00	999.0
4.600	68.86	114.24	0.00	999.0
4.700	56.34	154.76	0.00	999.0
4.800	46.14	221.38	0.00	999.0
4.900	38.83	339.84	0.00	999.0
5.000	33.57	373.59	0.00	999.0
5.000	33.57	33.57	0.00	999.0
5.100	339.84	38.83	0.00	999.0
5.200	221.38	46.14	0.00	999.0
5.300	154.76	56.34	0.00	999.0
5.400	114.24	68.86	0.00	999.0
5.500	88.04	87.98	0.00	999.0
5.600	68.81	114.30	0.00	999.0
5.700	56.29	154.88	0.00	999.0
5.800	46.12	221.62	0.00	999.0
5.900	38.81	340.41	0.00	999.0
6.000	33.55	375.37	0.00	999.0
6.000	33.55	33.50	0.00	999.0
6.100	336.35	38.75	0.00	999.0
6.200	220.57	46.04	0.00	999.0
6.300	154.86	56.23	0.00	999.0
6.400	114.65	68.74	0.00	999.0
6.500	88.54	87.62	0.00	999.0
6.600	68.96	113.97	0.00	999.0
6.700	56.40	154.43	0.00	999.0
6.800	46.38	221.10	0.00	999.0
6.900	39.08	340.26	0.00	999.0
7.000	33.80	375.93	0.00	999.0

SHEAR RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Shear

Span	Rating (-)	Factor (+)	Rating Value	Load Capacity (tons)
7.000	33.80	33.56	0.00	999.0
7.100	271.94	38.76	0.00	999.0
7.200	185.61	45.95	0.00	999.0
7.300	136.00	56.03	0.00	999.0
7.400	104.85	69.56	0.00	999.0
7.500	84.08	86.87	0.00	999.0
7.600	68.12	112.54	0.00	999.0
7.700	55.85	152.45	0.00	999.0
7.800	45.18	219.71	0.00	999.0
7.900	37.83	346.81	0.00	999.0
8.000	32.65	382.96	0.00	999.0
8.000	32.65	31.06	0.00	999.0
8.100	999.00	35.08	0.00	999.0
8.200	429.69	40.63	0.00	999.0
8.300	240.39	47.56	0.00	999.0
8.400	158.65	56.71	0.00	999.0
8.500	114.78	69.07	0.00	999.0
8.600	87.64	86.64	0.00	999.0
8.700	67.51	116.74	0.00	999.0
8.800	52.89	180.85	0.00	999.0
8.900	42.72	283.49	0.00	999.0
9.000	35.38	999.00	0.00	999.0

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
1.000	279.4	279.4	-279.4	-279.4	279.4	279.4	-279.4	-2
79.4								
1.100	279.4	279.4	-279.4	-279.4	264.5	264.5	-294.3	-2
94.3								
1.200	279.4	279.4	-279.4	-279.4	253.8	253.8	-305.0	-3
05.0								
1.300	279.4	279.4	-279.4	-279.4	247.5	247.5	-311.3	-3
11.3								
1.400	279.4	279.4	-279.4	-279.4	245.5	245.5	-313.3	-3
13.3								
1.500	279.4	279.4	-279.4	-279.4	247.7	247.7	-311.1	-3
11.1								
1.600	279.4	279.4	-279.4	-279.4	254.5	254.5	-304.3	-3
04.3								
1.700	279.4	279.4	-279.4	-279.4	265.7	265.7	-293.1	-2
93.1								
1.800	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
77.7								
1.900	279.4	279.4	-279.4	-279.4	300.8	300.8	-258.0	-2
58.0								
2.000	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
34.0								
2.000	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
34.0								
2.100	279.4	279.4	-279.4	-279.4	304.1	304.1	-254.7	-2
54.7								
2.200	279.4	279.4	-279.4	-279.4	287.7	287.7	-271.1	-2
71.1								
2.300	279.4	279.4	-279.4	-279.4	275.6	275.6	-283.2	-2
83.2								
2.400	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
2.500	279.4	279.4	-279.4	-279.4	264.3	264.3	-294.5	-2
94.5								
2.600	279.4	279.4	-279.4	-279.4	265.4	265.4	-293.4	-2
93.4								
2.700	279.4	279.4	-279.4	-279.4	270.8	270.8	-288.0	-2
88.0								
2.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
2.900	279.4	279.4	-279.4	-279.4	294.4	294.4	-264.4	-2
64.4								

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: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
4.000	279.4	279.4	-279.4	-279.4	316.0	316.0	-242.8	-2
42.8								
4.100	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
62.4								
4.200	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
77.7								
4.300	279.4	279.4	-279.4	-279.4	270.1	270.1	-288.7	-2
88.7								
4.400	279.4	279.4	-279.4	-279.4	263.4	263.4	-295.4	-2
95.4								
4.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
4.600	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
4.700	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
4.800	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
4.900	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
63.3								
5.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
5.000	279.4	279.4	-279.4	-279.4	314.9	314.9	-243.9	-2
43.9								
5.100	279.4	279.4	-279.4	-279.4	295.5	295.5	-263.3	-2
63.3								
5.200	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
5.300	279.4	279.4	-279.4	-279.4	269.7	269.7	-289.1	-2
89.1								
5.400	279.4	279.4	-279.4	-279.4	263.2	263.2	-295.6	-2
95.6								
5.500	279.4	279.4	-279.4	-279.4	261.0	261.0	-297.8	-2
97.8								
5.600	279.4	279.4	-279.4	-279.4	263.4	263.4	-295.4	-2
95.4								
5.700	279.4	279.4	-279.4	-279.4	270.1	270.1	-288.7	-2
88.7								
5.800	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
77.7								
5.900	279.4	279.4	-279.4	-279.4	296.4	296.4	-262.4	-2
62.4								

6.000 42.8	279.4	279.4	-279.4	-279.4	316.0	316.0	-242.8	-2
6.000 42.8	279.4	279.4	-279.4	-279.4	316.0	316.0	-242.8	-2
6.100 62.6	279.4	279.4	-279.4	-279.4	296.2	296.2	-262.6	-2
6.200 78.1	279.4	279.4	-279.4	-279.4	280.7	280.7	-278.1	-2
6.300 89.4	279.4	279.4	-279.4	-279.4	269.4	269.4	-289.4	-2
6.400 96.3	279.4	279.4	-279.4	-279.4	262.5	262.5	-296.3	-2
6.500 98.9	279.4	279.4	-279.4	-279.4	259.9	259.9	-298.9	-2
6.600 96.9	279.4	279.4	-279.4	-279.4	261.9	261.9	-296.9	-2
6.700 90.7	279.4	279.4	-279.4	-279.4	268.1	268.1	-290.7	-2
6.800 80.1	279.4	279.4	-279.4	-279.4	278.7	278.7	-280.1	-2
6.900 65.3	279.4	279.4	-279.4	-279.4	293.5	293.5	-265.3	-2
7.000 46.2	279.4	279.4	-279.4	-279.4	312.6	312.6	-246.2	-2

SERVICEABILITY CAPACITY REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span g tt.	Moment Capacity		Available Capacity for LL+I					
	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending	Positive Bending	Negative Bending
	Top	Bott.	Top	Bott.	Top	Bott.	Top	Bott.
7.000	279.4	279.4	-279.4	-279.4	312.6	312.6	-246.2	-2
46.2								
7.100	279.4	279.4	-279.4	-279.4	294.4	294.4	-264.4	-2
64.4								
7.200	279.4	279.4	-279.4	-279.4	280.4	280.4	-278.4	-2
78.4								
7.300	279.4	279.4	-279.4	-279.4	270.8	270.8	-288.0	-2
88.0								
7.400	279.4	279.4	-279.4	-279.4	265.4	265.4	-293.4	-2
93.4								
7.500	279.4	279.4	-279.4	-279.4	264.3	264.3	-294.5	-2
94.5								
7.600	279.4	279.4	-279.4	-279.4	267.8	267.8	-291.0	-2
91.0								
7.700	279.4	279.4	-279.4	-279.4	275.6	275.6	-283.2	-2
83.2								
7.800	279.4	279.4	-279.4	-279.4	287.7	287.7	-271.1	-2
71.1								
7.900	279.4	279.4	-279.4	-279.4	304.1	304.1	-254.7	-2
54.7								
8.000	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
34.0								
8.000	279.4	279.4	-279.4	-279.4	324.8	324.8	-234.0	-2
34.0								
8.100	279.4	279.4	-279.4	-279.4	300.8	300.8	-258.0	-2
58.0								
8.200	279.4	279.4	-279.4	-279.4	281.1	281.1	-277.7	-2
77.7								
8.300	279.4	279.4	-279.4	-279.4	265.7	265.7	-293.1	-2
93.1								
8.400	279.4	279.4	-279.4	-279.4	254.5	254.5	-304.3	-3
04.3								
8.500	279.4	279.4	-279.4	-279.4	247.7	247.7	-311.1	-3
11.1								
8.600	279.4	279.4	-279.4	-279.4	245.5	245.5	-313.3	-3
13.3								
8.700	279.4	279.4	-279.4	-279.4	247.5	247.5	-311.3	-3
11.3								
8.800	279.4	279.4	-279.4	-279.4	253.8	253.8	-305.0	-3
05.0								
8.900	279.4	279.4	-279.4	-279.4	264.5	264.5	-294.3	-2
94.3								

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: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top +bend	Rating fiber -bend	Factor bottom +bend	fiber -bend		
1.000	999.00	999.00	999.00	999.00	0.00	999.0
1.100	42.55	498.64	42.55	498.64	0.00	999.0
1.200	24.88	258.33	24.88	258.33	0.00	999.0
1.300	20.32	175.80	20.32	175.80	0.00	812.7
1.400	19.32	132.72	19.32	132.72	0.00	772.6
1.500	20.06	105.41	20.06	105.41	0.00	802.2
1.600	22.49	85.91	22.49	85.91	0.00	899.7
1.700	28.26	70.94	28.26	70.94	0.00	999.0
1.800	42.94	58.81	42.94	58.81	0.00	999.0
1.900	101.25	47.04	101.25	47.04	0.00	999.0
2.000	221.98	25.60	221.98	25.60	0.00	999.0
2.000	221.98	25.60	221.98	25.60	0.00	999.0
2.100	114.47	38.29	114.47	38.29	0.00	999.0
2.200	49.32	46.98	49.32	46.98	0.00	999.0
2.300	32.27	53.66	32.27	53.66	0.00	999.0
2.400	26.86	59.86	26.86	59.86	0.00	999.0
2.500	25.13	64.15	25.13	64.15	0.00	999.0
2.600	26.22	66.09	26.22	66.09	0.00	999.0
2.700	30.51	64.19	30.51	64.19	0.00	999.0
2.800	42.49	59.43	42.49	59.43	0.00	999.0
2.900	88.40	51.34	88.40	51.34	0.00	999.0
3.000	155.53	32.97	155.53	32.97	0.00	999.0
3.000	155.53	32.97	155.53	32.97	0.00	999.0
3.100	79.62	50.26	79.62	50.26	0.00	999.0
3.200	40.68	58.73	40.68	58.73	0.00	999.0
3.300	29.80	65.05	29.80	65.05	0.00	999.0
3.400	25.90	70.06	25.90	70.06	0.00	999.0
3.500	24.84	72.17	24.84	72.17	0.00	999.0
3.600	26.16	70.69	26.16	70.69	0.00	999.0
3.700	30.49	65.58	30.49	65.58	0.00	999.0
3.800	42.50	59.28	42.50	59.28	0.00	999.0
3.900	88.24	50.62	88.24	50.62	0.00	999.0
4.000	200.42	32.47	200.42	32.47	0.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.

Rating Live Load: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor bottom fiber -bend	bottom fiber +bend	bottom fiber -bend		
4.000	200.42	32.47	200.42	32.47	0.00	999.0
4.100	87.64	50.49	87.64	50.49	0.00	999.0
4.200	42.45	59.10	42.45	59.10	0.00	999.0
4.300	30.53	65.45	30.53	65.45	0.00	999.0
4.400	26.25	70.44	26.25	70.44	0.00	999.0
4.500	25.14	72.43	25.14	72.43	0.00	999.0
4.600	26.24	70.78	26.24	70.78	0.00	999.0
4.700	30.52	65.61	30.52	65.61	0.00	999.0
4.800	42.46	59.31	42.46	59.31	0.00	999.0
4.900	87.96	50.72	87.96	50.72	0.00	999.0
5.000	198.73	32.62	198.73	32.62	0.00	999.0
5.000	198.73	32.62	198.73	32.62	0.00	999.0
5.100	87.95	50.72	87.95	50.72	0.00	999.0
5.200	42.46	59.31	42.46	59.31	0.00	999.0
5.300	30.52	65.61	30.52	65.61	0.00	999.0
5.400	26.24	70.53	26.24	70.53	0.00	999.0
5.500	25.14	72.43	25.14	72.43	0.00	999.0
5.600	26.25	70.69	26.25	70.69	0.00	999.0
5.700	30.53	65.45	30.53	65.45	0.00	999.0
5.800	42.45	59.10	42.45	59.10	0.00	999.0
5.900	87.65	50.49	87.65	50.49	0.00	999.0
6.000	208.84	32.48	208.84	32.48	0.00	999.0
6.000	208.84	32.48	208.84	32.48	0.00	999.0
6.100	88.24	50.62	88.24	50.62	0.00	999.0
6.200	42.50	59.28	42.50	59.28	0.00	999.0
6.300	30.49	65.58	30.49	65.58	0.00	999.0
6.400	26.16	70.69	26.16	70.69	0.00	999.0
6.500	24.84	72.17	24.84	72.17	0.00	999.0
6.600	25.90	70.34	25.90	70.34	0.00	999.0
6.700	29.80	65.05	29.80	65.05	0.00	999.0
6.800	40.68	58.73	40.68	58.73	0.00	999.0
6.900	79.63	50.26	79.63	50.26	0.00	999.0
7.000	155.53	32.98	155.53	32.98	0.00	999.0

SERVICEABILITY RATING REPORT

Structure I. D. HAM500

Member I. D. S03

Rating Type: OPER.
Rating Live Load: 5C1

Span	Moment				Rating Value	Load Capacity (tons)
	top fiber +bend	Rating Factor fiber -bend	bottom fiber +bend	fiber -bend		
7.000	155.53	32.98	155.53	32.98	0.00	999.0
7.100	88.40	51.34	88.40	51.34	0.00	999.0
7.200	42.49	59.43	42.49	59.43	0.00	999.0
7.300	30.51	64.19	30.51	64.19	0.00	999.0
7.400	26.22	66.09	26.22	66.09	0.00	999.0
7.500	25.13	64.15	25.13	64.15	0.00	999.0
7.600	26.86	59.87	26.86	59.87	0.00	999.0
7.700	32.27	53.66	32.27	53.66	0.00	999.0
7.800	49.32	46.98	49.32	46.98	0.00	999.0
7.900	114.47	38.29	114.47	38.29	0.00	999.0
8.000	221.98	25.60	221.98	25.60	0.00	999.0
8.000	221.98	25.60	221.98	25.60	0.00	999.0
8.100	101.25	47.04	101.25	47.04	0.00	999.0
8.200	42.94	58.81	42.94	58.81	0.00	999.0
8.300	28.26	70.94	28.26	70.94	0.00	999.0
8.400	22.49	85.91	22.49	85.91	0.00	899.7
8.500	20.06	105.41	20.06	105.41	0.00	802.2
8.600	19.32	132.71	19.32	132.71	0.00	772.6
8.700	20.32	175.80	20.32	175.80	0.00	812.7
8.800	24.88	258.32	24.88	258.32	0.00	999.0
8.900	42.55	498.63	42.55	498.63	0.00	999.0
9.000	999.00	999.00	999.00	999.00	0.00	999.0