

BRIDGE / MEMBER DATA

SUMMARY REPORT

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

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.474	INV.	HS20	1.84	HS 36.88	66.4
1.474	OPER.	HS20	3.07	HS 61.46	110.6
1.474	OPER.	2F1	5.39	0.00	80.8
1.474	OPER.	3F1	3.85	0.00	88.6
1.474	OPER.	4F1	3.67	0.00	99.0
1.474	OPER.	5C1	3.96	0.00	158.4

Shear

C.P.			Rating Factor (-)	Rating Factor (+)	Rating Value	Load Capacity
-1.000	INV.	HS20	999.00	999.00	HS 0.00	0.00
-1.000	OPER.	HS20	999.00	999.00	HS 0.00	0.00
-1.000	OPER.	2F1	999.00	999.00	0.00	0.00
-1.000	OPER.	3F1	999.00	999.00	0.00	0.00
-1.000	OPER.	4F1	999.00	999.00	0.00	0.00
-1.000	OPER.	5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.474	INV.	HS20	2.29	HS 45.73	82.3
1.474	OPER.	HS20	3.81	HS 76.22	137.2
1.474	OPER.	2F1	6.68	0.00	100.2

1.474	OPER.	3F1	4.77	0.00	109.8
1.474	OPER.	4F1	4.55	0.00	122.8
1.474	OPER.	5C1	4.91	0.00	196.4

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SUMMARY REPORT

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

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.474	INV.	HS20	1.79	HS 35.71	64.3
1.474	OPER.	HS20	2.98	HS 59.52	107.1
1.474	OPER.	2F1	5.60	0.00	84.0
1.474	OPER.	3F1	3.79	0.00	87.2
1.474	OPER.	4F1	3.42	0.00	92.3
1.474	OPER.	5C1	3.89	0.00	155.7

Shear

C.P.			Rating Factor (-)	Rating Factor (+)	Rating Value	Load Capacity
-1.000	INV.	HS20	999.00	999.00	HS 0.00	0.00
-1.000	OPER.	HS20	999.00	999.00	HS 0.00	0.00
-1.000	OPER.	2F1	999.00	999.00	0.00	0.00
-1.000	OPER.	3F1	999.00	999.00	0.00	0.00
-1.000	OPER.	4F1	999.00	999.00	0.00	0.00
-1.000	OPER.	5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.474	INV.	HS20	2.24	HS 44.82	80.7
1.474	OPER.	HS20	3.73	HS 74.70	134.5
1.474	OPER.	2F1	7.03	0.00	105.4

1.474	OPER.	3F1	4.76	0.00	109.4
1.474	OPER.	4F1	4.29	0.00	115.8
1.474	OPER.	5C1	4.89	0.00	195.4

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SUMMARY REPORT

Structure I. D. HAM500

Material of Construction CSC
 Year of Construction 1959
 Roadway Width 32.000
 Number of Spans 1

Floor Beam Spacing 23.91

Comments:

Member I. D. B03 Symmetry:

Span Length:	Span 1 38.833	Span 2 0.000	Span 3 0.000	Span 4 0.000	Span 5 0.000
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Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.474	INV.	HS20	1.67	HS 33.43	60.2
1.474	OPER.	HS20	2.79	HS 55.71	100.3
1.474	OPER.	2F1	5.24	0.00	78.6
1.474	OPER.	3F1	3.55	0.00	81.6
1.474	OPER.	4F1	3.20	0.00	86.4
1.474	OPER.	5C1	3.64	0.00	145.8

Shear

C.P.			Rating Factor (-)	Rating Factor (+)	Rating Value	Load Capacity
-1.000	INV.	HS20	999.00	999.00	HS 0.00	0.00
-1.000	OPER.	HS20	999.00	999.00	HS 0.00	0.00
-1.000	OPER.	2F1	999.00	999.00	0.00	0.00
-1.000	OPER.	3F1	999.00	999.00	0.00	0.00
-1.000	OPER.	4F1	999.00	999.00	0.00	0.00
-1.000	OPER.	5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.474	INV.	HS20	2.10	HS 41.93	75.5
1.474	OPER.	HS20	3.49	HS 69.89	125.8
1.474	OPER.	2F1	6.57	0.00	98.6

1.474	OPER.	3F1	4.45	0.00	102.4
1.474	OPER.	4F1	4.01	0.00	108.4
1.474	OPER.	5C1	4.57	0.00	182.9

BRIDGE / MEMBER DATA

SUMMARY REPORT

Structure I. D. HAM500

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

Live Load Distribution Factor 1.143

Second Live Load Dist. Factor 1.143

Comments:

Member I. D.	S01					Symmetry:
Span Length:	Span 1 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	

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.400	INV.	HS20	1.18	HS 23.58	42.4
1.400	OPER.	HS20	1.97	HS 39.30	70.7
1.400	OPER.	2F1	2.88	0.00	43.2
1.400	OPER.	3F1	2.18	0.00	50.2
1.400	OPER.	4F1	2.04	0.00	55.2
1.400	OPER.	5C1	2.28	0.00	91.2

Shear

C.P.			Rating Factor (-)	Factor (+)	Rating Value	Load Capacity
2.000	INV.	HS20	135.55	1.73	HS 34.61	62.30
2.000	OPER.	HS20	225.92	2.88	HS 57.68	103.80
2.000	OPER.	2F1	328.02	5.23	0.00	78.50
2.000	OPER.	3F1	228.64	3.66	0.00	84.20
2.000	OPER.	4F1	213.87	3.43	0.00	92.50
2.000	OPER.	5C1	262.51	3.85	0.00	153.90

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
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1.400	INV.	HS20	1.23	HS 24.68	44.4
1.400	OPER.	HS20	2.06	HS 41.13	74.0
1.400	OPER.	2F1	3.02	0.00	45.2
1.400	OPER.	3F1	2.28	0.00	52.5
1.400	OPER.	4F1	2.14	0.00	57.8
1.400	OPER.	5C1	2.38	0.00	95.4

BRIDGE / MEMBER DATA

SUMMARY REPORT

Structure I. D. HAM500

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

Live Load Distribution Factor 1.272

Second Live Load Dist. Factor 1.272

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	

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.400	INV.	HS20	1.09	HS 21.78	39.2
1.400	OPER.	HS20	1.82	HS 36.31	65.4
1.400	OPER.	2F1	2.66	0.00	39.9
1.400	OPER.	3F1	2.02	0.00	46.3
1.400	OPER.	4F1	1.89	0.00	51.0
1.400	OPER.	5C1	2.11	0.00	84.2

Shear

C.P.			Rating Factor (-)	Factor (+)	Rating Value	Load Capacity
2.000	INV.	HS20	119.79	1.59	HS 31.73	57.10
2.000	OPER.	HS20	199.64	2.64	HS 52.88	95.20
2.000	OPER.	2F1	289.87	4.80	0.00	72.00
2.000	OPER.	3F1	202.05	3.36	0.00	77.20
2.000	OPER.	4F1	189.00	3.14	0.00	84.80
2.000	OPER.	5C1	231.98	3.53	0.00	141.10

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
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1.400	INV.	HS20	1.14	HS 22.77	41.0
1.400	OPER.	HS20	1.90	HS 37.95	68.3
1.400	OPER.	2F1	2.78	0.00	41.7
1.400	OPER.	3F1	2.11	0.00	48.4
1.400	OPER.	4F1	1.97	0.00	53.3
1.400	OPER.	5C1	2.20	0.00	88.0

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SUMMARY REPORT

Structure I. D. HAM500

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

Live Load Distribution Factor 1.272

Second Live Load Dist. Factor 1.272

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	

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.400	INV.	HS20	1.07	HS 21.49	38.7
1.400	OPER.	HS20	1.79	HS 35.81	64.5
1.400	OPER.	2F1	2.62	0.00	39.4
1.400	OPER.	3F1	1.99	0.00	45.7
1.400	OPER.	4F1	1.86	0.00	50.3
1.400	OPER.	5C1	2.08	0.00	83.1

Shear

C.P.			Rating Factor (-)	Factor (+)	Rating Value	Load Capacity
2.000	INV.	HS20	120.79	1.57	HS 31.42	56.50
2.000	OPER.	HS20	201.31	2.62	HS 52.36	94.20
2.000	OPER.	2F1	292.30	4.75	0.00	71.30
2.000	OPER.	3F1	203.74	3.32	0.00	76.40
2.000	OPER.	4F1	190.58	3.11	0.00	84.00
2.000	OPER.	5C1	233.92	3.49	0.00	139.70

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
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1.400	INV.	HS20	1.12	HS 22.47	40.4
1.400	OPER.	HS20	1.87	HS 37.45	67.4
1.400	OPER.	2F1	2.74	0.00	41.2
1.400	OPER.	3F1	2.08	0.00	47.8
1.400	OPER.	4F1	1.95	0.00	52.6
1.400	OPER.	5C1	2.17	0.00	86.9