

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	1.38	HS 27.62	49.7
1.474 OPER. 5C1	2.97	0.00	118.6

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.65	HS 32.97	59.4
1.474 OPER. 5C1	3.54	0.00	141.6

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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	1.28	HS 25.61	46.1
1.474 OPER. 5C1	2.79	0.00	111.7

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.51	HS 30.17	54.3
1.474 OPER. 5C1	3.29	0.00	131.6

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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

Moment

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	0.90	HS 18.04	32.5
1.474 OPER. 5C1	1.97	0.00	78.7

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.03	HS 20.59	37.1
1.474 OPER. 5C1	2.24	0.00	89.8

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 Roadway Width 32.000
 Number of Spans 1
 Floor Beam Spacing 23.91

Comments:

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

Moment

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.03	HS 20.56	37.0
1.474 OPER. 5C1	2.24	0.00	89.7

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.18	HS 23.64	42.6
1.474 OPER. 5C1	2.58	0.00	103.1

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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

Moment

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.08	HS 21.58	38.8
1.474 OPER. 5C1	2.35	0.00	94.1

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.25	HS 24.95	44.9
1.474 OPER. 5C1	2.72	0.00	108.8

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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

Moment

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.21	HS 24.09	43.4
1.474 OPER. 5C1	2.63	0.00	105.1

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.41	HS 28.17	50.7
1.474 OPER. 5C1	3.07	0.00	122.8

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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

Moment

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.20	HS 23.96	43.1
1.474 OPER. 5C1	2.61	0.00	104.5

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.40	HS 28.00	50.4
1.474 OPER. 5C1	3.05	0.00	122.1

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Structure I. D. HAM500

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 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

Moment

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.27	HS 25.49	45.9
1.474 OPER. 5C1	2.78	0.00	111.1

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. 5C1	999.00	999.00	0.00	0.00

Serviceability

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.50	HS 30.02	54.0
1.474 OPER. 5C1	3.27	0.00	130.9

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Structure I. D. HAM500

Material of Construction CSC
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 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

Moment

C.P.	Rating Factor	Rating Value	Load Capacity (tons)
1.474 INV. HS20	1.75	HS 34.94	62.9
1.474 OPER. 5C1	3.75	0.00	150.1

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. 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 41.95	75.5
1.474 OPER. 5C1	4.50	0.00	180.2

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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 0.0

Second Live Load Dist. Factor 0.0

Comments:

Member I. D.	S01					Symmetry:
Span Length:	Span 1	Span 2	Span 3	Span 4	Span 5	
	23.917	23.917	23.917	23.917	23.917	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	23.917	23.917	23.917	0.000	0.000	

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.000	INV.	HS20	999.00	HS999.00	999.0
1.000	OPER.	5C1	999.00	0.00	999.0

Shear

C.P.			Rating Factor (-)	Rating Factor (+)	Rating Value	Load Capacity
1.000	INV.	HS20	999.00	999.00	HS999.00	999.00
1.000	OPER.	5C1	999.00	999.00	0.00	999.00

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.000	INV.	HS20	999.00	HS999.00	999.0
1.000	OPER.	5C1	999.00	0.00	999.0

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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	Span 2	Span 3	Span 4	Span 5	
	23.917	23.917	23.917	23.917	23.917	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	23.917	23.917	23.917	0.000	0.000	

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.400	INV.	HS20	9.69	HS193.77	348.8
1.400	OPER.	5C1	18.73	0.00	749.1

Shear

C.P.			Rating Factor (-)	Rating Factor (+)	Rating Value	Load Capacity
2.000	INV.	HS20	999.00	14.11	HS282.24	508.00
2.000	OPER.	5C1	999.00	31.37	0.00	999.00

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.400	INV.	HS20	10.13	HS202.52	364.5
1.400	OPER.	5C1	19.57	0.00	782.9

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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	Span 2	Span 3	Span 4	Span 5	
	23.917	23.917	23.917	23.917	23.917	
	Span 6	Span 7	Span 8	Span 9	Span 10	
	23.917	23.917	23.917	0.000	0.000	

Moment

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.400	INV.	HS20	9.56	HS191.12	344.0
1.400	OPER.	5C1	18.47	0.00	738.8

Shear

C.P.			Rating Factor (-)	Rating Factor (+)	Rating Value	Load Capacity
2.000	INV.	HS20	999.00	13.97	HS279.44	503.00
2.000	OPER.	5C1	999.00	31.06	0.00	999.00

Serviceability

C.P.			Rating Factor	Rating Value	Load Capacity (tons)
1.400	INV.	HS20	9.99	HS199.87	359.8
1.400	OPER.	5C1	19.32	0.00	772.6