HistoricBridges.org - National Bridge Inventory Data Sheet

2013 Inventory

The National Bridge Inventory contains data submitted by state transportion departments to the Federal Highway Administration in coded format.
Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Ohio [39]	Erie County [043]	Vermilion [79716]	.60 MI W LOR. CO. LINE	41-25-19 = 41.421944	082-21-32 = -82.358889

2202344	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 6		US 6	Toll: On free road [3]	Features intersected: VERMILION RIVER	
Design - main: Steel [3]		Design - approach:		Kilometerpoint: 4643 km = 2878.7 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1928	Year reconstructed: 1986
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 75 m = 246.1 ft	Length of maximum span: 73.2 m = 240.2 ft	Deck width, out-to-out: 12.3 m = 40.4 ft	Bridge roadway width, curb-to-curb: 10.7 m = 35.1 ft				
Inventory Route, Total Horizontal Clearance: 10.7 m = 35.1 ft	Curb or sidewalk width - left: 1.8 m = 5.9 ft	Curb or sidewalk width - right: 1.8 m = 5.9 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]							
Deck protection: Epoxy Coated Reinforcing [1]							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 2.6 km = 1.6 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 21.1 metric ton = 23.2 tons	
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 36 metric ton = 39.6 tons	
	Bridge posting: Equal to or above legal loads [5]	Design Load: MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	14140	Average daily truck traffi	3 %	Year	2010	Future average daily traffic	19626
Year	2033						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	3	Approach roadway width	12.2 m = 40.0 ft		
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]	Bridge median			
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control			
Navigation vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.85 m = 15.9 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	0 = N/A	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A	Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]				
Appraisal ratings - underclearances	N/A [N]						

Repair and Replacement Plans

Type of work to be performed

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	$320,000	Roadway improvement cost	$32,000
Length of structure improvement	111.6 m = 366.2 ft	Total project cost	$400,000
Year of improvement cost estimate	2005		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		

Scour	Bridge foundations (including piles) on dry land well above flood water elevations. [9]
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	40.6

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	February 2012 [0212]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	February 2012 [0212]
Other special inspection	Not needed [N]	Other special inspection date	

District: **03** County **ERIE** (101) Location: **.60 MI W LOR. CO. LINE** (102) Facility Carried: **US 6**
(2)FIPS Code: **VERMILION** (103) Route On Bridge: **STATE (ODOT)** (104) Route Under Bridge: **NON-HIGHWAY**
(9) Direction of Traffic: **2-WAY TRAFFIC** (10) Temporary: **N** (11)Truck Network: **N** (12)Parallel: **N**
(95) Insp: **OHIO TRAN DEPT** (96) Maint: **OHIO TRAN DEPT** (97) Routine: **CITY/LOC** (100) Type Serv: (On): **HIGHWAY/PEDESTRIAN** (Under): **WATERWAY**

Inventory Route Data

(3) Route On/Under: **ON** Hwy Sys: **U.S. NUMBERED HIGHWAY**
Route No.: **00006** Dir: Des: **MAINLINE** Pref:
(4) Feature Intersected: **VERMILION RIVER**
(5) County: **ERI** Mileage: **2884** Special Desig:
(6) Avg. Daily Traffic(ADT): **14,140** (7) ADT Year: **2010**
(8) Truck Traf: **480** (14) NHS: **YES - N** (15) Corridor: **N**
(16) Functional Class: **OTHER PRINCIPAL ARTERIAL-URBAN** (19) Strahnt: **Not Applicable**

Intersected Route Data

(22) Route On/Under: Hwy Sys:
Route No.: Dir: Des: Pref:
(23) Feature Intersected:
(24) County: Mileage: Special Desig:
(25) Avg. Daily Traffic(ADT): **0** (26) ADT Year:
(27) Truck Traf: **0** (28) NHS: - (29) Corridor:
(30) Functional Class: (36) Strahnt: **Not Applicable**

Clearance On the Bridge

(154) Min Hriz on Bridge: NC: **0.0** Ft Card: **35.2** Ft
(155) Prac Max Vert On Brg: **15.9** Ft
(67) Min Vrt Clr On Brg: NC: **0.0** Ft Card: **15.9** Ft
(80) Min Latl Clr: NC: **0.0 / 0.0** Ft Card: **0.0 / 0.0** Ft
(81) Vrt Clr Lft: **0.0** Ft

Structure Information

(38) Bypass Length: **16** Miles
(39) Latitude: **41 Deg 25.3 Min** Longitude: **82 Deg 21.5 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1928** (42) Major Rehabilitation: **01/01/1986**
(43) No. Lanes On: **3** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0** Deg
(49) App. Rdw Width: **40** Ft (50) Brg. Rdw Width: **35.0** Ft
(51) Deck Width: **40.4** Ft Deck Area: **9946** Sq. Ft
(52) Median Type: **NONE / NON BARRIE / NO JOINT**
(53) Bridge Median: **NO MEDIAN**
(54) Sidewalks: (left) **6** Ft (right) **6** Ft
(55) Type Curb or Sidewalks:
(Left) Matl: **CONCRETE** Type: **SIDEWALK(>2')**
(Right) Matl: **CONCRETE** Type: **SIDEWALK(>2')**
(56) Flared: **N** (57) Composite: **non-composite**
(58) Railing: **TUBULAR BACKUP**
(59) Deck Drainage: **SCUPPERS & DWNSPTS**
(60) Deck Type: **REINF CONCRT (PRESTRSD, PRECAST**
(61) Deck Protection: External: **NONE**
Internal: **EPOXY COATED REINFORCING (BOTH**
(62) Wearing Surface: **INTEGRAL CONCRETE (MONOLITHIC)**
Thickness: **1.2** in (119) Date of Wearing Surface: **01/01/1986**
Slope Protection: **SOIL**

(63) Main Spans Number: **1** Type: **STEEL / TRUSS / THRU**
Approach Spans Number: **0** Type: **NONE / NONE / NONE**
Total Spans: **1** (65) Max Span: **240** Ft (66) Overall Leng: **246** Ft

(70) Substructure	(71) Foundation and Scour Information	
Abut-Rear Matl: **CONCRETE**	Type: **CANTILEVER**	Fnd: **TIMBER PILES**
Abut-Fwd Matl: **CONCRETE**	Type: **CANTILEVER**	Fnd: **TIMBER PILES**
Pier-Pred Matl: **NONE**	Type: **NONE**	Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE**	Type: **NONE**	Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE**	Type: **NONE**	Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
No of Piers Predominate: **NN**	Other: **NN**	Other: **NN**

(86) Stream Velocity: **UUU** (74) Scour: **FND/PILES ABOVE FLOOD WATER ELEVATIONS**
(189) Dive: **N Freq: 0** Probe: **N** Freq: **0** (75) Chan Prot: **SHEET PILING**
(189) Date of last Dive Insp: (152) Drainage Area: **UUU** Sq Mi

Clearance Under the Bridge

(156) Min. Horiz Under Clear: NC: **0.0** Ft Card: **0.0** Ft
(157) Prac Max Vrt Under Clear: **0.0** Ft
(77) Min Vert Under Clear: NC: **0.0** Ft Card: **0.0** Ft
(78) Min Lat Under Clear: NC: **0.0 / 0.0** Ft Card: **0.0 / 0.0** Ft

Load Rating Information

(48) Design Load: **HS/20**
(83) Operating: **40** Ton
Inventory: **28** Ton
Ohio Percent of Legal Load **135**
Year of Rating: **2010**
(84) Analysis: **ALLOWABLE STRESS OR WORKING STRESS**
(85) Rate Soft: **BARS** Analyzed by: **WSA**
Analysis on Bars: **WRKG STRESS ANALYSIS**

(88-89) Appraisal

(Including calculated Items)
(88) Waterway Adequacy **8**
(89) Approach Alignment **6**
Calc Gen Appraisal: **5**
Calc Deck Geometry: **2**
Calc Underclearance: **N**

Approach Information

(109) Approach Guardrail: **STEEL BEAM**
(110) Approach Pavement: **BITUMINOUS** (111) Grade: **GOOD**

Culvert Information

(131) Culvert Type: **NONE/NOT APPLICBLE** (127) Length: **0.0** Ft
(129) Depth of Fill: **0.0** Ft (130) Headwalls: **NONE**

General Information

(121) Main Member **N/A (CULVERTS, TRUSSES, ETC.)** (122) Moment Plate: **NOT APPLICABLE**
(169) Expansion Joint: **ELASTOMERIC STRIP SEAL**
(124) Bearing Devices: **ROCKERS/ELASTOMERIC (LAMIN.)**
(126) Navigation: **Control- N** Vert Clr: **0.0** Ft Horiz Clear:: **0.0** Ft
(193) Spec Insp: **N** Freq: **0** Date:
(188) Fracture Critical Insp: **Y** Freq: **24** Date: **2012-02-01**
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**
Railing: **UNKNOWN**
Pay Wt: **0** pounds Prime Loc: **UNKNOWN** Paint: **RED LEAD**
Bridge Dedicated Name:

General Information (Continued)

(---) Hist Significance: **NOT HISTORIC**
(69) NBIS: **Y**
(---) Hist Builder: **OHIO STATE HIGHWAY DEPARTMENT**
Hist Build Year: **1928**
(69) Hist Type: **PENNSYLVANIA (RIVETED)**
(161) Special Features (see below):
(105) Border Bridge State: Resp % (106) SFN:

Proposed Improvements

(90) Type Work: **35 - BRG REHAB--GEN DECLINE/INADEQ STRENGTH**
(90) Length: Ft
(90) Bridge Cost ($1000s): **0**
(90) Roadway Cost ($1000s): **0**
(90) Total Project Cost ($1000s): **0**
(90) Year:
(91) Future ADT (On Bridge): **0**
(92) Year of Future ADT: **2033**

Programming Info

PID Number:
PID Status:
PID Date:

Inspection Summary

(I-8) Deck:	**6**
(I-32) Superstructure:	**6**
(I-42) Substructure:	**6**
(I-50) Culvert:	
(I-54) Channel:	**7**
(I-60) Approaches:	**7**
(I-66) General Appraisial:	**6**
(I-66) Operational Status:	**A**
Inspection Date:	**05/14/2013**
(94) Desig Insp Freq:	**12 Months**

(I-69) Survey Items

Railings:	**1 MEETS CURRENT STANDARDS**
Transitions:	**1 MEETS CURRENT STANDARDS**
Guardrail:	**1 MEETS CURRENT STANDARDS**
Rail Ends:	**1 MEETS CURRENT STANDARDS**
In Depth:	**N NONE N/A**
Fracture Critical:	**1 MEETS CURRENT STANDARDS**
Scour Critical:	**N NONE N/A**
Critical Findings:	**N NONE N/A**
Insp. Update Date:	**05/31/2013**

SFNs Replacing this retired bridge: **-**
SFNs That where replaced by this bridge: **-**
This bridge was retired and copied to:
The bridge was copied from:

Original Plans Information

(142) Fabricator:
(143) Contractor:
(144) Ohio Original Construction Project No.: **000228**
(---) Microfilm Reel: **ERI001**
(151) Standard Drawing:
Aperture Cards: Orig: **Y** Repair: **Y** Fabr: **Y**
Plan Information Available: **1PLAN INFORMATION AVAILABLE**

(153) Repair Projects

1. **/ 020**	2. **/ MMM**	3. **860010 / 004**
4. **/ 020**	5. **/ 044**	6.
7.	8.	9.
10.		

Utilities

(46) Electric:	**Y**
Gas:	**N**
Sanitary Sewer:	**N**
Telephone:	**N**
TV Cable:	**N**
Water:	**N**
Other:	**N**

Special Features

(161) Lighting:	**Y**
Fencing:	**N**
Glare-Screen:	**N**
Splash-Guard:	**N**
Catwalks:	**N**
Other-Feat:	**N**
(184) Signs-on:	**Y**
Signs-Under:	**N**
(162) Fence-Ht:	**0.0** Ft
(163) Noise Barr:	**N**

INV Field Bridge Marker: **ERI-00006-2884 -**
INT Field Bridge Marker: **---**

PONTIS CoRe elements and Condition States

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
26	CONCRETE DECK - PROTECTED W/COATED BARS	1	EA	0	0	0	0	0
121	PAINTED STEEL BOTTOM CHORD THROUGH TRUSS	490	LF	0	0	0	0	0
126	PAINTED STEEL THRU TRUSS(EXCL BOT CHORD)	490	LF	0	0	0	0	0
215	REINFORCED CONC ABUTMENT	81	LF	0	0	0	0	0
300	STRIP SEAL EXPANSION JOINT	81	LF	0	0	0	0	0
321	REINFORCED CONCRETE APPROACH SLAB	2	EA	0	0	0	0	0

(*) Percentages Should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION REPORT

BR-86 REV 02-95

2	2	0	2	3	4	4

1 Structure File Number 7

Bridge Number **ERI** (CO) **00006** (ROUTE) **2884** (UNIT) **VERMILION** **Date Built 07/01/1928 - 1986**

District **03** Bridge Type **STEEL/TRUSS/THRU** Type Service **1** **55 VERMILION RIVER** **ERI**

DECK Out/Out 40.4		2		THCK = 1.2	2
1. Floor	1-REINF CONCRT (PRESTRSD 8		2. Wearing Surface	2-INTEGRAL CONCRETE (MON 41	
3. Curbs, Sidewalks, Walkways	1-CONCRETE 1-CONCRETE 9	1	4. Median	W.S. Date = 01/01/1986 42	
5. Railing	A-TUBULAR BACKUP 10	1	6. Drainage	3-SCUPPERS & DWNSPTS 43	2
7. Expansion Joints	8-ELASTOMERIC STRIP SEAL 11	2	**8. Summary**	44	6
SUPERSTRUCTURE MAX.SPAN=240		1			
9. Alignment	12		10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES 45	
TOT.LGTH=246 11. Diaphragms or Crossframes	13		12. Joists/Stringers	46	2
13. Floor Beams	14	2	14. Floor Beam Connections	47	2
15. Verticals	15	2	16. Diagonals	48	2
17. End Posts	16	2	18. Top Chord	49	2
19. Lower Chord	17	2	20. Lower Lateral Bracing	50	
21. Top Lateral Bracing	18		22. Sway Bracing	51	2
23. Portals	19	2	24. Bearing Devices	2-ROCKERS C-ELASTOMERIC (LAMIN.) 52	2
25. Arch	20		26. Arch Columns or Hangers	53	
27. Spandrel Walls	21		28. Protective Coating System	TYPE = 1-RED LEAD DATE = 09/01/2012 54	9
29. Pins/Hangers/Hinges	22		30. Fatigue Prone Connections	55	
31. Live Load Response	23	S	**32. Summary**	56	6
SUBSTRUCTURE 2-CONCRETE		2	PIERS=0	SPANS = 1	
33. Abutments	2-CONCRETE 24		34. Abutment Seats	57	2
35. Piers	TYPE = N-NONE 25		36. Pier Seats	58	
37. Backwalls	26	2	38. Wingwalls	ABUTMENT:=TIMBER / TIMBER 59	2
39. Fenders and Dolphins	27		40. Scour	9-FND/PILES ABOVE FLOOD 60	1 1
41. Slope Protection	S-PROBLEM 28	1	**42. Summary**	DIVE DT=N/A 62	6
CULVERTS					
43. General	29		44. Alignment	63	
45. Shape	30		46. Seams	64	
47. Headwalls or Endwalls	31		48. Scour	65	
49.	32		50. Summary	66	
CHANNEL					
51. Alignment	33	1	52. Protection	3-SHEET PILING 67	2
53. Waterway Adequacy	34	1	**54. Summary**	68	7
APPROACHES					
55. Pavement	2-BITUMINOUS 35	1	56. Approach Slabs	69	2
57. Guardrail	1-STEEL BEAM 36	1	58. Relief Joints	70	
59. Embankment	BRDG.WIDTH=35.0 37	2	**60. Summary**	PCT.LEGAL=135 71	7
GENERAL					
61. Navigation Lights	38		62. Warning Signs	ROUTINE.RESP: 4-CITY/LOCAL MAINT.RESP: 1-OHIO TRAN DEPT 72	
MVC ON=15.9 UND=0000 63. Sign Supports	39	2	64. Utilities	ELEC/ 73	2
65. Vertical Clearance	40	1	**66. General Appraisal & Operational Status**	74 COND 6 STAT A	

67. INSPECTED BY

SIGNED 76 PE A T 78 INITIALS

68. REVIEWED BY

SIGNED 5 5 9 9 2 81 PE M W 83 INITIALS

DOT 2852

DECK AREA 9,946

Date 0 5 1 4 1 3 (86–91)

1 1 1 1 N 1 N N (92 69 Survey 99)

Date 0 5 2 1 1 3 (100–105)

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION REPORT

BR-86 REV 02-95

2	2	0	2	3	4	4

1 Structure File Number 7

Bridge Number **ERI** (CO) **00006** (ROUTE) **2884** (UNIT)

Date Built 07/01/1928 - 1986

District **03** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1** **5** **5**

VERMILION RIVER

Deck	61. DECK BOTTOM HAS TRANS.HAIRLINES/CRACKS W/EFFL.(SOME WET)
Deck	THE CRACKS ARE SPACED @ 20-30 FT. THE PART OF THE DECK CLOSE
Deck	TO THE FWD.ABUT IS WORSE THAN THAT CLOSE TO REAR ABUT.THERE
Deck	ARE SOME SPALLED AREAS ALONG EXTERIOR STRINGER'S TOP FLANGES
Deck	& DECK EDGES.THE SPALLED AREA IS LESS THAN 10% OF THE TOTAL
Deck	DECK AREA.
Deck	2.DECK WEARING SURFACE HAS MANY TRANS.HAIRLINES(TIGHT)W/A
Deck	FEW SPALLS.THE CRACKS ARE LESS THAN 1/16TH IN.WIDE.THE
Deck	SPALLED AREA IS LESS THAN 10% OF OF THE TOTAL DECK AREA.MOST
Deck	GROOVING WORN AWAY(SMOOTH). SEALED WITH PROJECT 2009(HMWM).
Deck	3.THERE ARE HAIRLINE CRACKS ON SIDEWALK.FWD.LT.,FWD.RT.&
Deck	REAR LT.ENDS OF SIDEWALK OFF THE BRIDGE HAVE LARGE LONG.
Deck	CRACKS (1/2"-1" MAX WIDTH.)W/SOME SETTLEMENTS (2"-3" MAX.)
Deck	THERE ARE A FEW SPALLED AREAS ALONG CURBS.FWD.RT.END OF
Deck	SIDEWALK HAS ABOUT 4' OF CURB CRACKED & BROKEN. SEALED WITH
Deck	PROJECT 2009.UNDER SIDEWALK BOTH SIDES TRANS.HAIRLINES WITH
Deck	EFFL.& SPACING OF 1'- 3'(+/-)FULL LENGTH BOTH. 2013; NEW
Deck	SDIEWALK AND CURB WITH 2012 PROJECT REAR LEFT, FWD. LT, AND
Deck	RT.
Deck	5.PED.HAND RAIL HAS SCATTERED AREAS OF PAINT FAILURE & MINOR
Deck	COLLISION DAMAGE @ FWD.RT.END.ANCHORAGE SPLICE PLATES HAVE
Deck	SOME PACK RUST.HAND RAIL BOTH SIDES ARE LINED W/FLOWER
Deck	PLANTERS & RUBBER SPRINKLER HOSE.CLEAR SPACING OF VERTICAL
Deck	PICKETS IS 5". TOP RAIL CONNECTION PLATES ARE CRACKED @ L3,
Deck	L4,L9 LT.SIDE,LO,L4,& L9 RT.SIDE.POST TOP CAPS ARE LOOSE @
Deck	L2 LT.SIDE,L6 & L7 RT.SIDE.RAIL FWD.& REAR + RAIL ENDS HAVE
Deck	MINOR COLLISION DAMAGE. 2013; RAIL REPAIRS COMPLETED WITH
Deck	2012 PROJECT.
Deck	6. TWO OF THE 12 SCUPPERS ARE 30-50% BLOCKED W/DEBRIS &
Deck	VEGETATION.THEY ARE LOCATED ON THE RIGHT SIDE.1 SCUPPER TUBE
Deck	BROKEN FWD.RT. + DIRTY ALONG BOTH CURBS.
Deck	7. THE FWD.COMP.SEAL HAS MINOR CUT FROM SNOWPLOWS.REAR STRIP
Deck	SEAL IS TORN W/EVIDENCE OF LEAKING.THE EXP.JOINT @ REAR IS
Deck	ALMOST TOTALLY CLOSED 1/18"-1/16"(+/-)@ 84 DEGREES.
Superstructure	12. THERE IS MINOR RUST & CHIPPED/PEELING PAINT ALONG
Superstructure	EXTERIOR STRINGER.EXTERIOR STRINGER END @ CONNECTION TO
Superstructure	FLOOR BEAM HAS HEAVY RUST. 2013; NEW PCS WITH 2012 PROJECT.
Superstructure	13. FLOOR BEAM WEB @ CONNECTION TO LOWER CHORD HAS PITTING
Superstructure	PACK RUST & MINOR SECTION LOSS.
Superstructure	14. FLOOR BEAM CONNECTION ANGLES HAVE PACK RUST FORMING,
Superstructure	MINOR SECTION LOSS,& AREAS OF PAINT PEELING.
Superstructure	15. TRUSS VERTICALS HAVE PITTING & SECTION LOSS IN SPLASH
Superstructure	ZONE FROM ROAD SALTS.(LESS THAN 10% OF WEB AREA).THERE IS
Superstructure	PACK RUST & SECTION LOSS AT CONNECTION TO FLOOR BEAMS &
Superstructure	SIDEWALK LEVEL.
Superstructure	16.TRUSS DIAGONALS HAVE SECTION LOSS,PITTING IN SPLASH ZONE
Superstructure	(LESS THAN 10% OF TOTAL WEB AREA.)DIAGONALS OF(SOUTH)
Superstructure	UPSTREAM TRUSS @ L3 & L4 HAVE DEEP PITTING & TWO SMALL 1/2"
Superstructure	TO 1" DIAMETER RUST HOLES
Superstructure	17.CROSS BRACING & ALL 4 END POSTS HAVE SECTION LOSS & RUST
Superstructure	THROUGH HOLES + SOME RUST BETWEEN FLANGES & DEBRIS.
Superstructure	18.TOP CHORD HAS A FEW AREAS OF LOCALIZED DENTS FROM
Superstructure	ORIGINAL CONSTRUCTION APPEARS TO BE IN SATISFACTORY
Superstructure	CONDITION.
Superstructure	19. LOWER CHORD HAS PACK RUST,PITTING & MINOR SECTION LOSS.
Superstructure	(10-20% OF WEB AREA).THERE IS HEAVY RUST PACK (3/8'MAX)
Superstructure	BETWEEN THE THIN EXTERIOR WEB PLATE & ADJACENT THICK WEB
Superstructure	PLATE W/RUST THROUGH PLATES ALONG LOWER CHORD BETWEEN L3 &
Superstructure	L6 ON BOTH SIDES.
Superstructure	20.).THE LOWER GUSSET PLATES L4, L5,& L6 ON THE UPSTREAM
Superstructure	(SOUTH)TRUSS HAVE SIGNIFICANT PAST SECTION
Superstructure	LOSS OF UP TO 50%(1/4")OVER 30-50% OF THE PLATE AREA. THESE
Superstructure	PLATES WERE PAINTED OVER IN 1986.THERE IS NOW ACTIVE

Superstructure	CORROSION AGAIN ON THE LOWER GUSSET PLATES ALONG VERTICAL &
Superstructure	DIAGONAL MEMBER EDGES. RUST HOLES VARYING FROM 1" TO 2"
Superstructure	DIAMETER WERE FOUND ON GUSSET PLATES L4,L5,AND L6.L6 IS IN
Superstructure	THE WORST CONDITION. NO WARPING OR CRACKING WERE OBSERVED IN
Superstructure	THE GUSSET PLATES.THE RATING OF THE GUSSET PLATES IS
Superstructure	INCLUDED W/ THE DIAGONAL MEMBER.DIAGONAL MEMBERS.
Superstructure	GUSSET PLATES ARE RATED FAIR(2)BASED ON THE STRUCTURAL
Superstructure	ANALYSIS & SATISFACTORY LOAD RATING RESULTS.LOAD & GUSSET
Superstructure	PLATE ANALYSIS DATED DEC. 2009. 2013; REHAB OF PLAN SPECIFIE
Superstructure	GUSSET PLATES COMPLETED WITH 2012 PROJECT.
Superstructure	21.)LOWER LATERAL BRACING HAS SOME MINOR SURFACE RUST &
Superstructure	IMPACT DAMAGE ON TWO TENSION RODS IN BAYS 3 & 7.
Superstructure	TOP LATERAL BRACING HAS SOME MINOR RUST. LATERAL
Superstructure	CONNECTIONS HAVE SOME PACK RUST & MINOR DEFORMATION FROM
Superstructure	PACK RUST OF PLATES @ CONNECTIONS + CONNECTIONS RUSTY.
Superstructure	24. ROCKER BEARINGS @ REAR ABUT.TIPPED TOWARD BACKWALL.THE
Superstructure	CONTACT AREA FALLS INSIDE THE MIDDLE THIRD OF ROCKER BASE,SO
Superstructure	THE ROCKER IS NOT FALLING OFF IT'S BASE.ELASTOMERIC PAD
Superstructure	UNDER THE ROCKERS DEFORMED 1" IN SAME DIRECTION.FWD.ABUT.IS
Superstructure	FIXED W/BOLSTERS.ALL BEARINGS HAVE RUST + FWD.RT.BEARING
Superstructure	PLATE NUT NOT COMPLETELY THREADED. NO CHANGE FROM PREVIOUS
Superstructure	INSPECTIONS.
Superstructure	28.THE PROTECTIVE COATING EXHIBITS SCATTERED RUSTY AREAS
Superstructure	WITHIN SPLASH ZONE & @ FLOOR BEAM CONNECTIONS.THERE IS ALSO
Superstructure	SOME PEELING PAINT,AREAS OF PACK RUST & AREAS OF ACTIVE
Superstructure	CORROSION. ABOUT 10-15% OF TOTAL PCS IS FAILED.2013; NEW
Superstructure	ROYAL BLUE PCS WITH 2012 PROJECT. OVERALL GOOD COVERAGE, AS
Superstructure	NOTED FROM GROUND LEVEL INSPECTION. MINOR OVERSPRAY AREAS.
Superstructure	32. *SEE #13,#14,#15,#16 AND #19.*NOTE; 2013 INSPECTION IS
Superstructure	ROUTINE. WORK COMPLETED ON GUSSET PLATES, AND OTHER OTHER
Superstructure	AREAS COMPLETED WITH PROJECT 2012 WILL BE VERIFIED WITH A
Superstructure	CONSULTANT INSPECTION. 2013 INSPECTION AT GROUND LEVEL.
Substructure	33.THERE ARE SOME CRACKS WITH EFFL. SMALL DELAMINATED AREAS
Substructure	AND MINOR SPALLS. THE DELAMINATED AREAS ARE LESS THAN 5% OF
Substructure	TOTAL CONCRETE AREAS.REAR IS WORSE THAN FORWARD ABUTMENT.A
Substructure	COUPLE SPALLS HAVE RESTEEL. ABUTMENT SEATS CLEANED AND SEALE
Substructure	WITH 2012 PROJ.
Substructure	34. THE REAR ABUT.SEAT IS WET W/DEBRIS UP TO 6" THICK.FWD.
Substructure	ABUT.IS DRY W/LESS THAN 5% AREAS THAT SOUND HOLLOW.THE
Substructure	HOLLOW SOUNDING AREAS ARE IN THE MIDDLE PORTION OF THE
Substructure	ABUT.SEAT,& DO NOT AFFECT BEARING.
Substructure	37.THE BACKWALLS HAVE MINOR CRACKS BOTH VERT.& HORZ.W/EFFL.,
Substructure	EVIDENCE OF MINOR LEAKAGE OVER 10%.
Substructure	38.WINGWALLS HAVE CRACKS,EFFL.& DELAM..OVER 10% OF SURFACE.
Substructure	FWD.RT.WINGWALL IS PAINTED W/MURAL.OUTLET DRAIN,DRAIN
Substructure	WASHING OUT SOME DIRT & CREATED SMALL PUDDLE @ REAR
Substructure	RT.WINGWALL.
Substructure	40. ABUTS.ARE BEHIND SHEET PILING.NO EVIDENCE OF SCOUR IS
Substructure	NOTED @ ABUTMENTS.NOT IN WATER 2012.
Substructure	41. NO REPAIRS NECESSARY.
Substructure	42. *SEE #33,#34 AND #37.
Channel	52.THERE IS SHEET PILING ALONG CHANNEL @ BOTH FWD.& REAR
Channel	ABUTS.TOP OF SHEET PILING @ REAR ABUT.HAS 6" TO 8" GAP IN A
Channel	COUPLE AREAS BEHIND THE SHEETING.SHEET PILING @
Channel	FWD.ABUT.INCLINED 1:40 TOWARDS WATER. NO GAP OR SEPARATION
Channel	BEHIND FWD.SHEET PILING IS NOTED.
Approaches	55. NEW ASPHALT W/PROJ.2009 + @ JCT.W/APPR.SLABS-TRANS.
Approaches	CRACKS & RAVELING + A FEW OTHER HAIRLINES/CRACKS.
Approaches	56.THERE ARE SOME SPALLED AREAS ALONG JTS.W/NO SETTLEMENT OF
Approaches	APPR.SLABS FWD.IS WORSE.
Approaches	57. COLLISION DAMAGE IS NOTED @ REAR RT.,& FWD.LT.& RT.G/R
Approaches	ENDS. NEW GR ENDS WITH POSTS, ECT AT ALL FOR CORNERS, PROJEC
Approaches	2012.
Approaches	59. TWO GROUNDHOG HOLES NEAR REAR RT.WINGWALL NOTED.FWD.LT.
Approaches	END OF WINGWALL HAS MINOR EMBANKMENT EROSION(ABOUT 5' WIDE
Approaches	1' DEEP)FROM TOP TO BOTTTOM OF SLOPE.
General	63. SIGN SUPPORTS HAVE MINOR RUST BUT NO SECTION LOSS NOTED.
General	CHECKED 2012.
General	64. THERE IS A SMALL SECTION OF EXPOSED CABLE @ RT.END OF
General	REAR ABUT.DUE TO SPLIT CONDUIT.CHECKED STREET LIGHT ATTACHED

General	TO LT.SIDE NEAR TOP OF TRUSS-CONNECTION APPEARS STABLE-2013.
General	2013 LIGHT IS WORKING.
General	66. *SEE #32 AND #42.
General	NOTES;
General	*NBIS QAR 2011 03-03 FWD.RT.FLOOR BEAM #3 RT.WEB 1'(+/-)FROM
General	END ABOVE ABUT..
General	FCM 02-01-12 M. WENGERD,BOB VALENTINE, ANDREA TESCHLER.
General	DARYLL SHANNON, MATT STEIFIC, USED SNOOPER TRUCK.
General	*NOTE REPAIR WORK TO GUSSET PLATES,STRUCTURAL STEEL PAINTING
General	RAIL REPAIR, AND SIDEWALK REPAIR COMPLETED WITH PROJECT 513-
General	11. 2013 IS A ROUTINE INSPECTION FROM GROUND LEVEL. 2014 IS
General	SCHEDULED FCM INSPECTION.