

Bridge Inspection Report

A7113
US 65-17 LM 1.55SB
over
Kerch Canal



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

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Location Map



Latitude: 33.95062931959841

Longitude: -91.53363927430576

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Executive Summary

Bridge 0000000000A7113 entered 9/2/2011 07:44:30 by userid rlw Built under Job DRT-A127(1) & NH-DRTP-0021(28).

Beginning of structure towards Gould, North End.

Item 113 changed from U to 5. FORM 113 dated May/2008. (DMH 9-16-11)

Changed Item 101 to "right" since US 65 is logged from N to S and this bridge carries SB traffic. DRB, 11/15/11

04-24-2012, Updated log mile to match Tech Services data. RHB.

Sufficiency Rating Calculation Accepted by jace626 at 2012-09-06 11:09:03

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/27/2018
(8) STRUCTURE NUMBER	A7113	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 65 3	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 041	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Kerch Canal	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 65-17 LM 1.55SB		
(9) LOCATION	1.55 Mi S LincolnCo-Gould		
(11) MILEPOINT 1.550	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000065170 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.95062931959841	(17) LONGITUDE -91.53363927430576		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(59) SUPERSTRUCTURE	8 (60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 2011	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 7000	(19) BYPASS DETOUR LENGTH 13	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 21		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 42	(49) STRUCTURE LENGTH (ft.) 112	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 38.1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 41.2		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 38.1		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 39.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	91.1 STATUS 0
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(94) BRIDGE IMPROVEMENT COST (\$)		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)		(100) STRAHNET HIGHWAY DESIGNATION	3
(96) TOTAL PROJECT COST		(101) PARALLEL STRUCTURE DESIGNATION	R
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 10500	(115) YEAR OF FUTURE ADT 2029	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	4
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	4592	sq. ft.	4592	0	0	0
Deck: 41' wide x 112' long. A few unsealed, hairline-sized longitudinal cracks.							
107 - Steel Open Girder/Beam	1- Ben.	550	ft.	550	0	0	0
Girders: 5 per span / Spans 1-3 (110' total). Weathering steel - coating: 6.18 square feet per linear feet of girder. All steel members, rust is a uniformed light brown color.							
515 - Steel Protective Coating		3405	sq. ft.	3405	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	120	ft.	109	11	0	0
Abutments: 60' each / Bents 1 & 4. Bents 1 & 4: Scattered cracking across top and down face of backwall.							
1130 - Cracking (RC and Other)		11		0	11	0	0
227 - Reinforced Concrete Pile	1- Ben.	10	each	9	1	0	0
Piling: 5 per bent / Bents 2 & 3. Bent 3 Pile 3: Spall on left ahead corner below cap (as-built condition).							
1080 - Delamination/Spall/Patched Area		1		0	1	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	80	ft.	80	0	0	0
Caps: 40' each / Bents 2 & 3.							
302 - Compression Joint Seal	1- Ben.	76	ft.	76	0	0	0
Joint: 38' each / Bents 1 & 4. Some debris building on top of joint material between road irons.							
310 - Elastomeric Bearing	1- Ben.	20	each	20	0	0	0
Bearings: 5 per bent / Bents 1-4.							
331 - Reinforced Concrete Bridge Railing	1- Ben.	224	ft.	224	0	0	0
Railing: 112' each side.							

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Pictures



PHOTO 1

Description

PHOTO 1

Description

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

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Bridge Inspection Report

Sketches

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Maintenance Needs

Date Reported: 09/27/2018

Priority: C - Important

Work Code: N/A

Deficiency Description:

Log mile sign - Bent 1 right: No sign, object marker, or post in place (65-17 1.55).

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 1 - No sign

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Maintenance Needs

Date Reported: 09/27/2018

Priority: G - General/ Preventive maintenance

Work Code: N/A

Deficiency Description:

End-slope - Bent 4: Small trees, bushes, and other vegetation growing up under bridge.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description End-slope - Bent 4 left : Vegetation