

# Bridge Inspection Report

**B7113**  
**US 65-17 LM 1.55NB**  
**over**  
**Kerch Canal**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

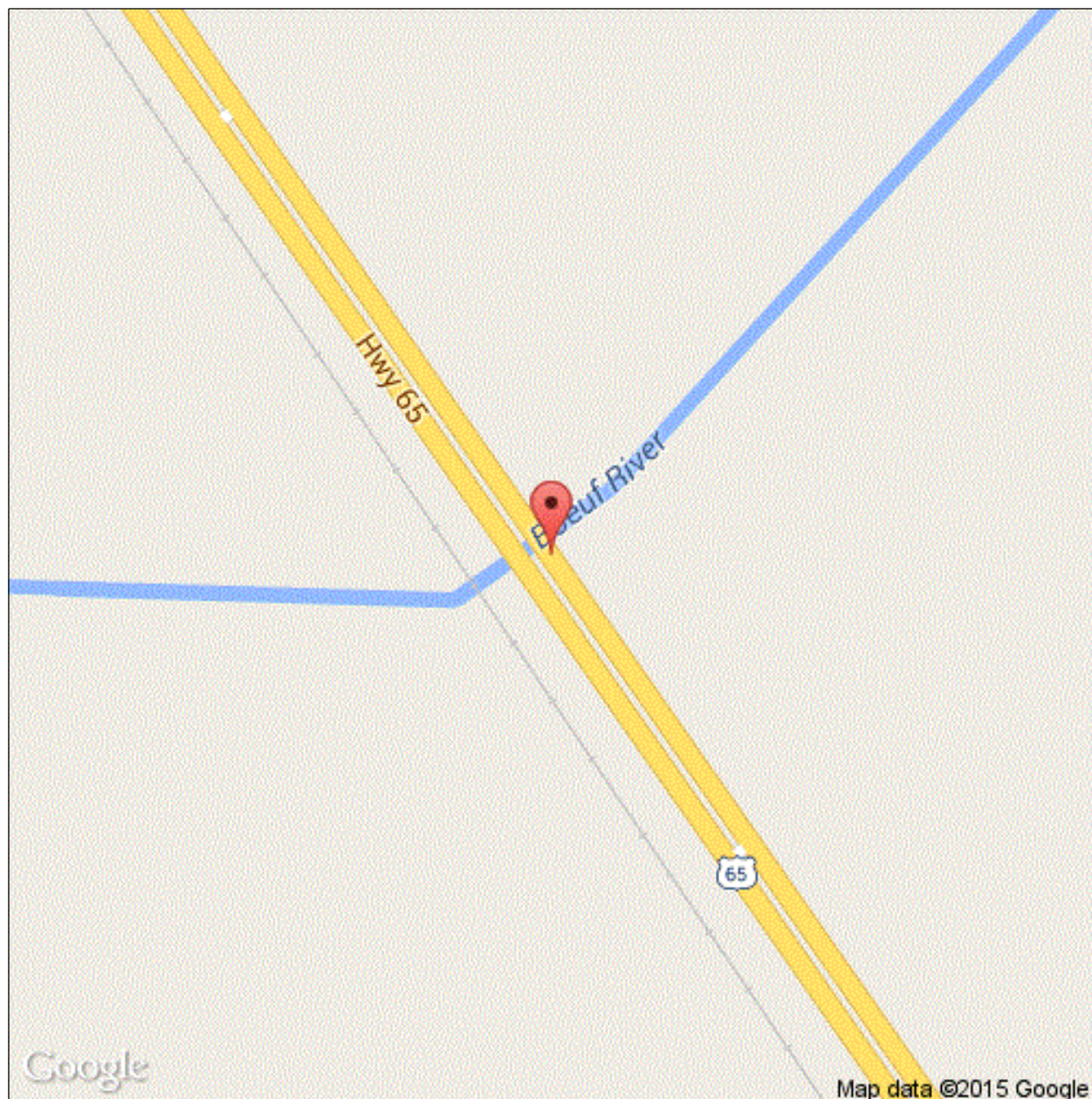
Structure Number: B7113

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## Bridge Inspection Report

### Location Map



Latitude: 33.95076

Longitude: -91.53340

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**Executive Summary**

Bridge 0000000000B7113 entered 8/18/2010 14:51:07 by userid rlw. Built under Job #R20092, FAP. #DRT-A1227(1) / NH-DRTP-0021(28). Replaces Structure #01973, North Bound Traffic.

Beginning of structure toward SH 11, Gould, North End.

Assigned Item 113 = 5, per designers calculations. DRB, 11/16/10

Changed Item 101 to "left" since US 65 is logged from N to S and this bridge carries NB 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 11:13:00.

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## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/27/2018
(8) STRUCTURE NUMBER	B7113	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 65 1	(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 1.55NB		
(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 33.95076	(17) LONGITUDE -91.53340		
(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 2010	(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 8069	(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.) 112.0	(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 90.1	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	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 6924	(115) YEAR OF FUTURE ADT 2028	(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	5
		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
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	4592	sq. ft.	4252	280	60	0
	Deck: 41' wide x 112' long. Scattered unsealed, hairline- to moderate-sized longitudinal cracks, heaviest in left(outside) lane along both sides of Girder 3 (CS2 280 sqft, CS3 60 sqft). A couple scattered unsealed, hairline-sized transverse cracks.						
1130 - Cracking (RC and Other)		340		0	280	60	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	550	ft.	550	0	0	0
	Weathering steel 5 each at 110' Steel member- rust with a uniformed light brown color.						
515 - Steel Protective Coating		3405	sq. ft.	3405	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	120	ft.	101	19	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)		19		0	19	0	0
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	10	each	10	0	0	0
	Piling: 5 per bent / Bents 2 & 3.						
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	80	ft.	80	0	0	0
	Caps: 40' each / Bents 2 & 3.						
<b>302 - Compression Joint Seal</b>	1- Ben.	76	ft.	76	0	0	0
	38' each Bents 1 & 4.						
<b>310 - Elastomeric Bearing</b>	1- Ben.	20	each	20	0	0	0
	Bearings: 5 per bent / Bents 1-4.						
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	224	ft.	224	0	0	0
	Railing: 112' each side.						

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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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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 08/02/2016

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

End-slopes - Spans 1 & 3: Small trees, bushes, vines, and other vegetation growing up under bridge.  
Vines growing through joint and onto bridge deck at Bent 4 right (09-27-2018)

09-27-2018 GGL-KLR: Changed priority from "G" to "D".

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

Desha: remove trees and advise when complete

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#### Stage: Assigned



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

#### Stage: Open



PHOTO 2      Description      Both ends of bridges need spraying under bridges.

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### Maintenance Needs

Stage: Open



PHOTO 3      Description      Vegetation on all ends of bridge , under the bridges.Outside of the bridges have been sprayed by highway forces Just not under the bridges.

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## Maintenance Needs

Date Reported: 09/27/2018

Priority: C - Important

Work Code: N/A

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### Deficiency Description:

Log mile sign - Bent 4 left: No sign, object marker, or post in place (65-17 1.55).

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1    Description    Left side view

Stage: Open



PHOTO 2    Description    Bent 4 - No sign



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### Maintenance Needs

Date Reported: 09/27/2018

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

End-slopes - Spans 1 & 3 left: Stormwater is eroding holes in slopes - under drains in parapet railing.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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Stage: Open



PHOTO 1    Description    End-slope - Span 3 left : Erosion