

Bridge Inspection Report

01365
SH 367 Log 1.26
over
Dredge Ditch



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

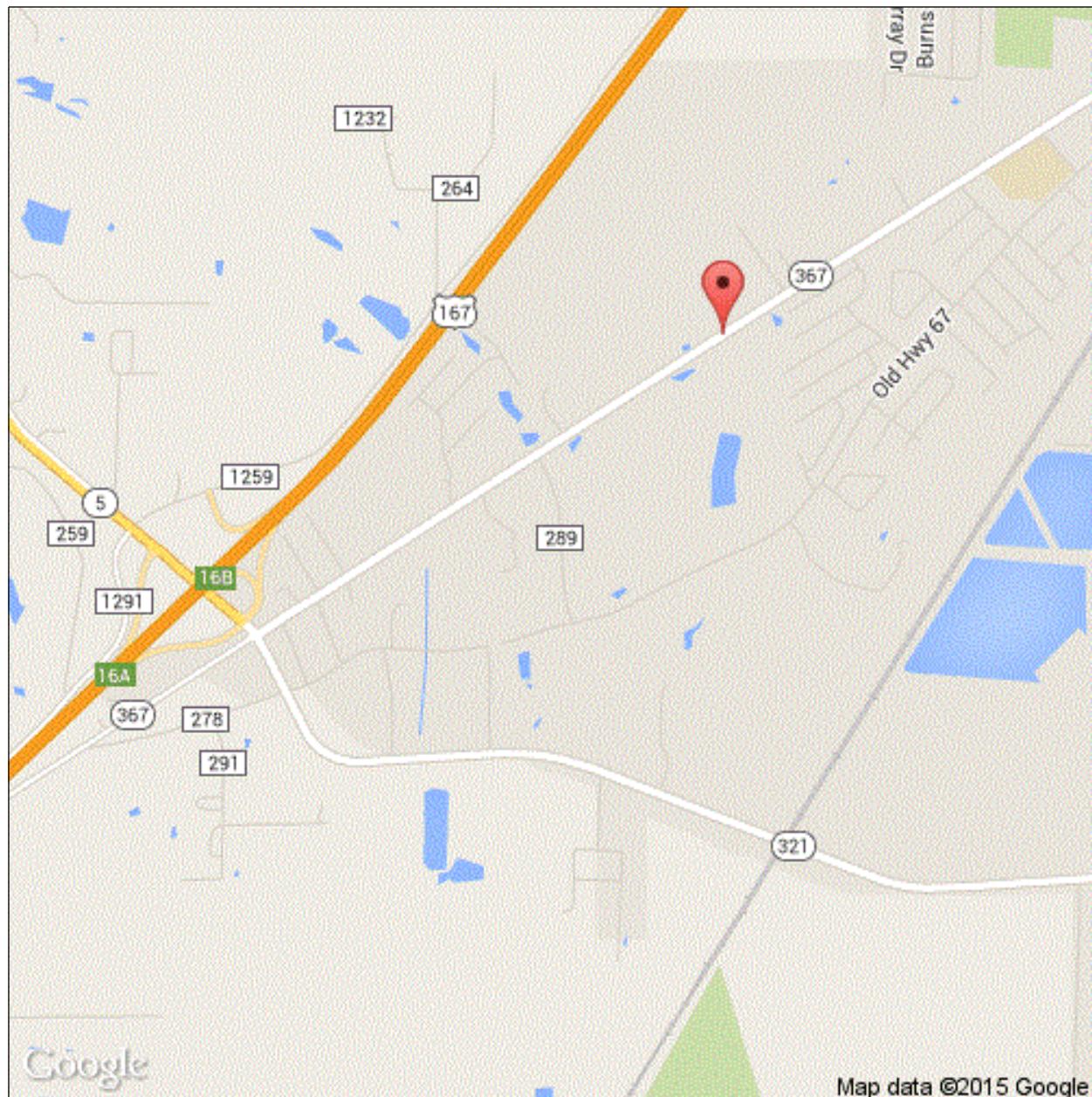
Inspection Date:

Structure Number: 01365

Facility Carried: SH 367 Log 1.26

Bridge Inspection Report

Location Map



Latitude: 34.95684

Longitude: -92.04344

Inspector:

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Bridge Inspection Report

Executive Summary

AHTD Job 673, 2557.

Inspector:

Structure Number: 01365

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/11/2015
(8) STRUCTURE NUMBER	01365	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 367 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 085	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	09780	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Dredge Ditch	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367 Log 1.26		
(9) LOCATION	1.26 MI NE JCT SH 5		
(11) MILEPOINT 1.260	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.95684	(17) LONGITUDE -92.04344		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	5
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(60) SUBSTRUCTURE	5
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	6
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
	0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1928 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	2
(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	53
(29) AVERAGE DAILY TRAFFIC	10000 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	32
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	45 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.3	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	26.8	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	29.9	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.3	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	2
		STATUS	63.5
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	31 (75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	132.0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	16
(95) ROADWAY IMPROVEMENT COST (\$)	306	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	737	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	16572 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	5
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Agency Inventory

Structural

BRIDGE GROUP

WEARING SURFACE THICKNESS IN

WEATHERING STEEL No

PIN / HANGER No

STAY IN PLACE FORMS No

STEEL TONS Tons(41) STRUCTURE
OPEN/POSTED/CLOSED A**Location**

ROAD / ROUTE NAME SH 367 Log 1.26

SECTION ZONE **Seismic**

SEISMIC

SEISMIC YEAR / ZONE **Notification**SCHOOL DISTRICT EMAIL OWNER EMAIL

LATE REASON

Load Po**Calculated**

CODE 4 VEHICLE (22 tons)

CODE 9 VEHICLE (31 tons)

CODE 5 VEHICLE (40 tons)

Posted

Bridge Beginning

CODE 4 TonsCODE 9 TonsCODE 5 Tons**Stip**

APHN

STIP

JOB NUMBER

PROG. JOB NUMBER

OLD BRIDGE NUMBER

NEW BRIDGE NUMBER

BRIDGE CONDITION INDEX

Notes

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	2835	sq. ft.	2820	0	3	12
	Span 1 between girders 1 and 2, spall with exposed rebar. Photo attached. Span 1 between girders 1 and 2, delamination. Span 3 between girders 1 and 2 and 2 and 3.						
1080 - Delamination/Spall/Patched Area		3				3	
1090 - Exposed Rebar		12					12
510 - Wearing Surfaces		2520	sq. ft.	2520			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	315	ft.	306	0	4	5
	Span 2 at bent 2. Spall with exposed rebar on the end of the girder over the bearing. Span 2, girder 1 at bent 3. Spalls with exposed rebar. Span 2 girder 2 at bent 3. Spalls with exposed rebar. Span 2, girder 3, right side at bent 3. Spalls with exposed rebar.						
1090 - Exposed Rebar		9				4	5
205 - Reinforced Concrete Column	1- Ben.	6	each	2	2	2	0
	Bent 2, columns 1 and 2 have spalls with exposed rebar.						
1090 - Exposed Rebar		2				2	
1190 - Abrasion/Wear (PSC/RC)		2			2		
215 - Reinforced Concrete Abutment	1- Ben.	82	ft.	82			
234 - Reinforced Concrete Pier Cap	1- Ben.	70	ft.	58	0	4	8
	The cap of bent 2 has Spalls with exposed rebar and delaminations on the back and ahead sides. Bent 3 ahead side under girder 3. Spall with exposed rebar.						
1080 - Delamination/Spall/Patched Area		4					4
1090 - Exposed Rebar		8				4	4
331 - Reinforced Concrete Bridge Railing	1- Ben.	210	ft.	210			

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/11/2015

Priority: B - Pressing; 6 month completion goal

Work Code:

Deficiency Description:

The southbound approaching roadway has a deep hole at the edge of the pavement and Void under the pavement. Erosion at this location has caused the approach rail to settle.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assigned Lonoke 06431 9-30-15

Stage: Open



PHOTO 1 **Description** The approaching roadway southbound at bent 4 has deep hole and Void under the pavement. The embankment had eroded causing the approach rail to settle.

Inspector:

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Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/11/2015

Priority: C - Important

Work Code:

Deficiency Description:

The cap of bent 2 on the ahead face has spalls and delaminations under the girders.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 2, looking back.
The cap has delaminations under girder
2 and
a spall with exposed rebar under girder
3

Inspector:

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Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/11/2015

Priority: C - Important

Work Code:

Deficiency Description:

The cap of bent 3 on the ahead face has a spall under girder 3. Photo attached.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 3, ahead side under girder 3.
Spall with exposed rebar.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/11/2015

Priority: C - Important

Work Code:

Deficiency Description:

Span 2, girder 1 at Bent 2 has a spall with exposed rebar on the left side. Photo attached.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 2, looking at the left end.
Girder 1 of span 2 has a spall at the
end over the bearing.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/11/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Both bridge rails have minor traffic damage

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assigned Lonoke 06431 9-30-15

