

Bridge Inspection Report

05160
SH 41 SEC.02 -1.34
over
LITTLE RIVER RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	9
PICTURES	10
SKETCHES	11

Inspector:

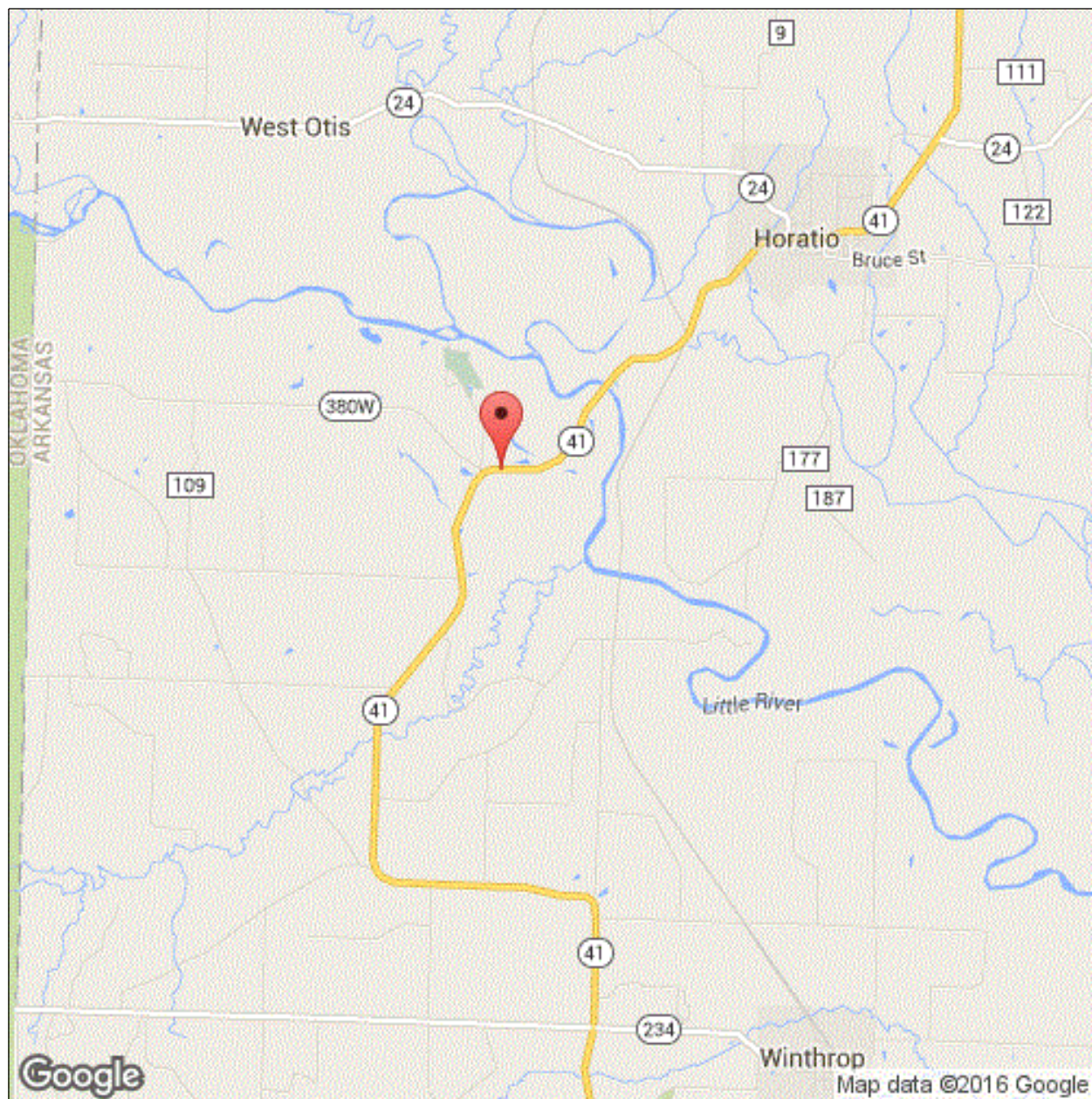
Structure Number: 05160

Inspection Date:

Facility Carried: SH 41 SEC.02 -1.34

Bridge Inspection Report

Location Map



Latitude: 33.908376741274395

Longitude: -94.40365268535083

Inspector:

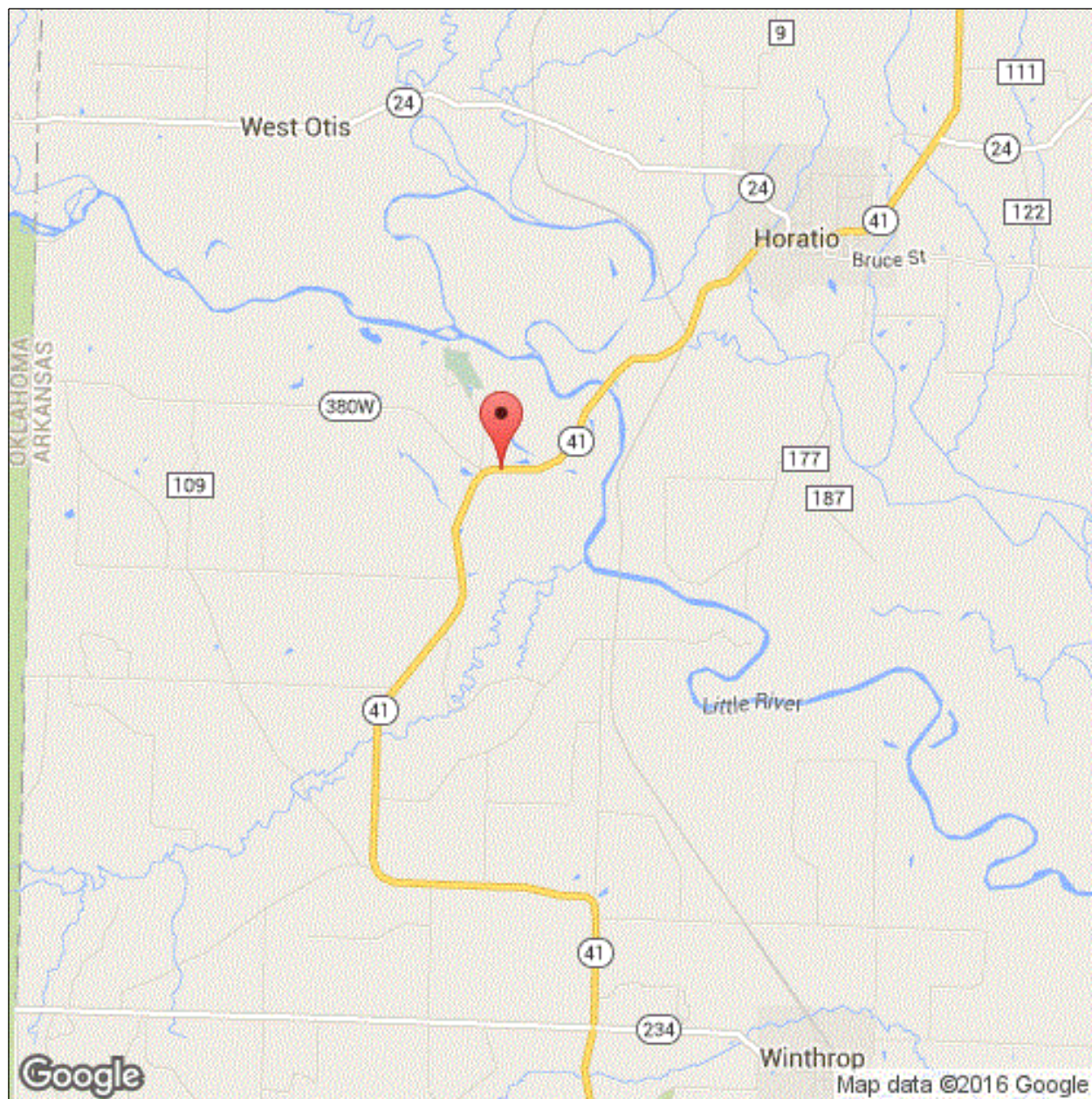
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/18/2018
(8) STRUCTURE NUMBER	05160	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 41 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 081	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE RIVER RELIEF	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 41 SEC.02 -1.34		
(9) LOCATION	1.34 MI S SEVIER CO LINE		
(11) MILEPOINT 1.340	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.90837674127439	(17) LONGITUDE -94.40365268535083		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	6 (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	1970 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE	ON 1 UNDER 9	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES	ON 02 UNDER 00	(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC	2500 (19) BYPASS DETOUR LENGTH	(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	1	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	35 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.7 RIGHT 0.7	(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31.8	(71) WATERWAY ADEQUACY	7
(32) APPROACH ROADWAY WIDTH (ft.)	38.1	(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:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	28.9	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	75.1
		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.)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	0000	(102) DIRECTION OF TRAFFIC	2
		(103) TEMP STRUCTURE	
		(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	1
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0

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(114) FUTURE ADT 2542

(115) YEAR OF FUTURE ADT 2028

(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
38 - Reinforced Concrete Slab	1- Ben.	6678	sq. ft.	6660	0	18	0
	1080- Delams and spalls on bottom of slab at deck drains 1090- Rebar exposed at deck drains						
1080 - Delamination/Spall/Patched Area		10		0	0	10	0
1090 - Exposed Rebar		8		0	0	8	0
215 - Reinforced Concrete Abutment	1- Ben.	76	ft.	76	0	0	0
226 - Prestressed Concrete Pile	1- Ben.	25	each	25	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	217	ft.	213	0	4	0
	1090- exposed rebar bottom of cap Bent 6 Spall w/ rebar exposed at bent 2						
1090 - Exposed Rebar		4		0	0	4	0
330 - Metal Bridge Railing	1- Ben.	420	ft.	420	0	0	0

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Bridge Inspection Report

Pictures

PHOTO 2

Description

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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 9/11/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

MODERATE SIZE SPALLS w REBAR EXPOSED AND DELAMS IN SPAN 2, 3, 4, & 5 ON BOTTOM OF SLAB.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 5 delam and spall bottom of slab left side

Stage: Assigned



PHOTO 2 Description Spall and delam span 5 right side

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Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description Spall with rebar exposed left side span 4

Stage: Assigned



PHOTO 4 Description Delam right side span 4

Stage: Assigned



PHOTO 5 Description Span 3 right side delam bottom of slab

Stage: Assigned



PHOTO 6 Description Span 2 right side delam bottom of slab

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Maintenance Needs

Date Reported: 9/11/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

MINOR SPALLS W/ REBAR EXPOSED BOTTOM OF CAP AT BT 2 & 6

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls bottom of bent 6 cap

Inspector:

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Maintenance Needs

Date Reported: 9/11/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

JOINTS OVER ALL BENTS NEED CLEANED AND RE-FILLED WITH JOINT MATERIAL

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description All joints need cleaned and refilled