

Bridge Inspection Report

A5038
I 40, WB LNS
over
Dirty Creek



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

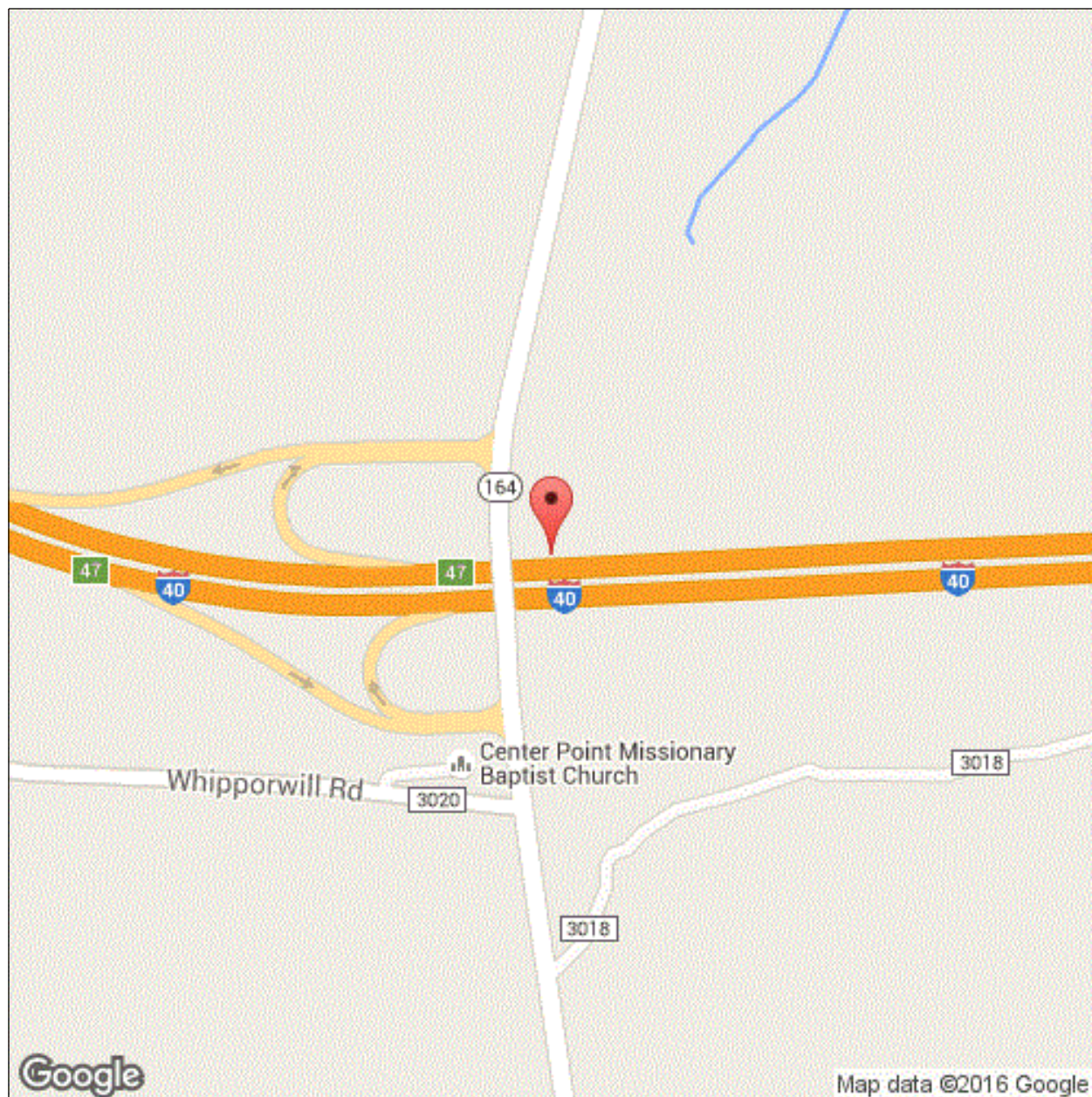
Inspection Date:

Structure Number: A5038

Facility Carried: I 40, WB LNS

Bridge Inspection Report

Location Map



Latitude: 35.49748

Longitude: -93.66014

Inspector:

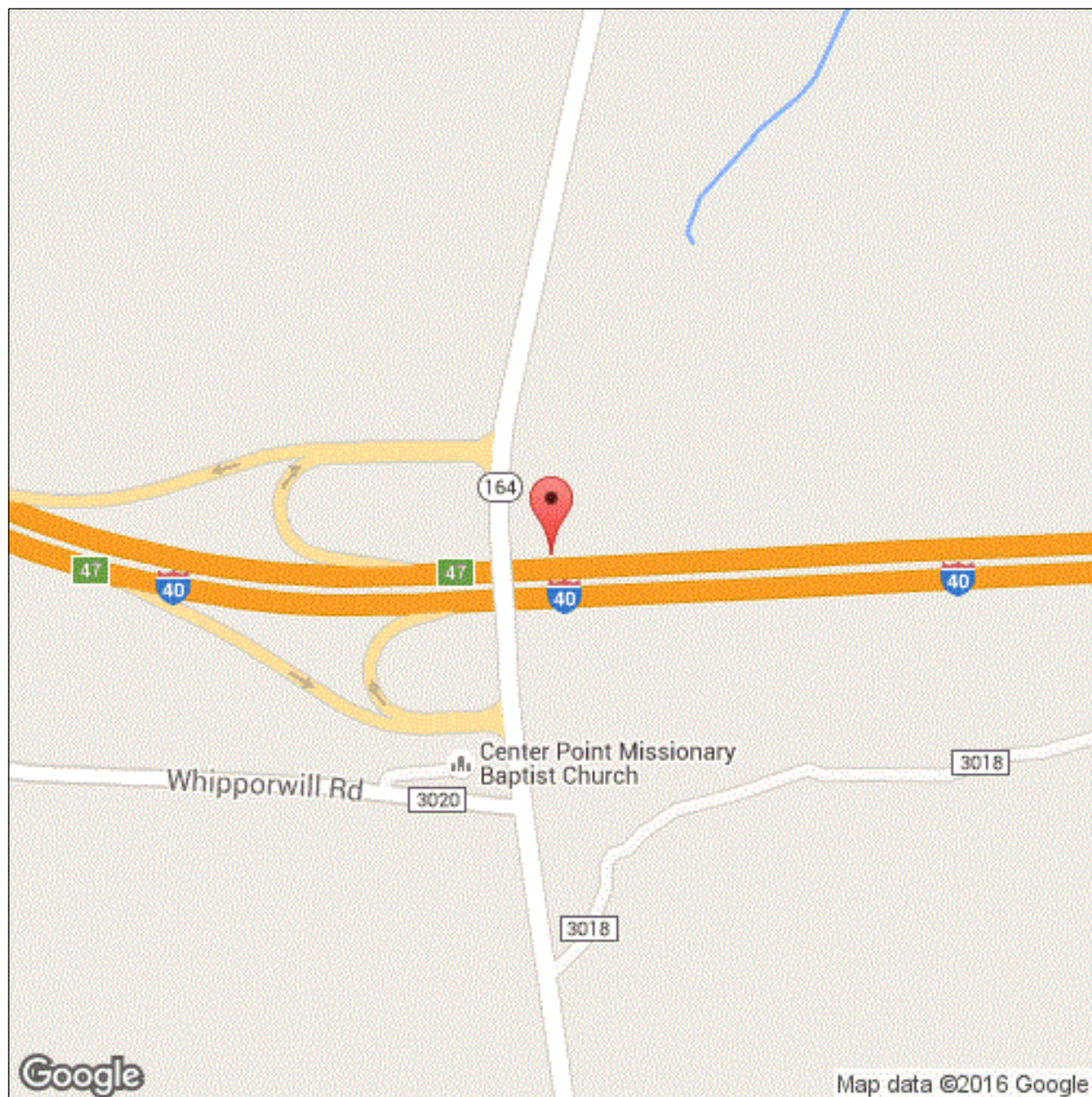
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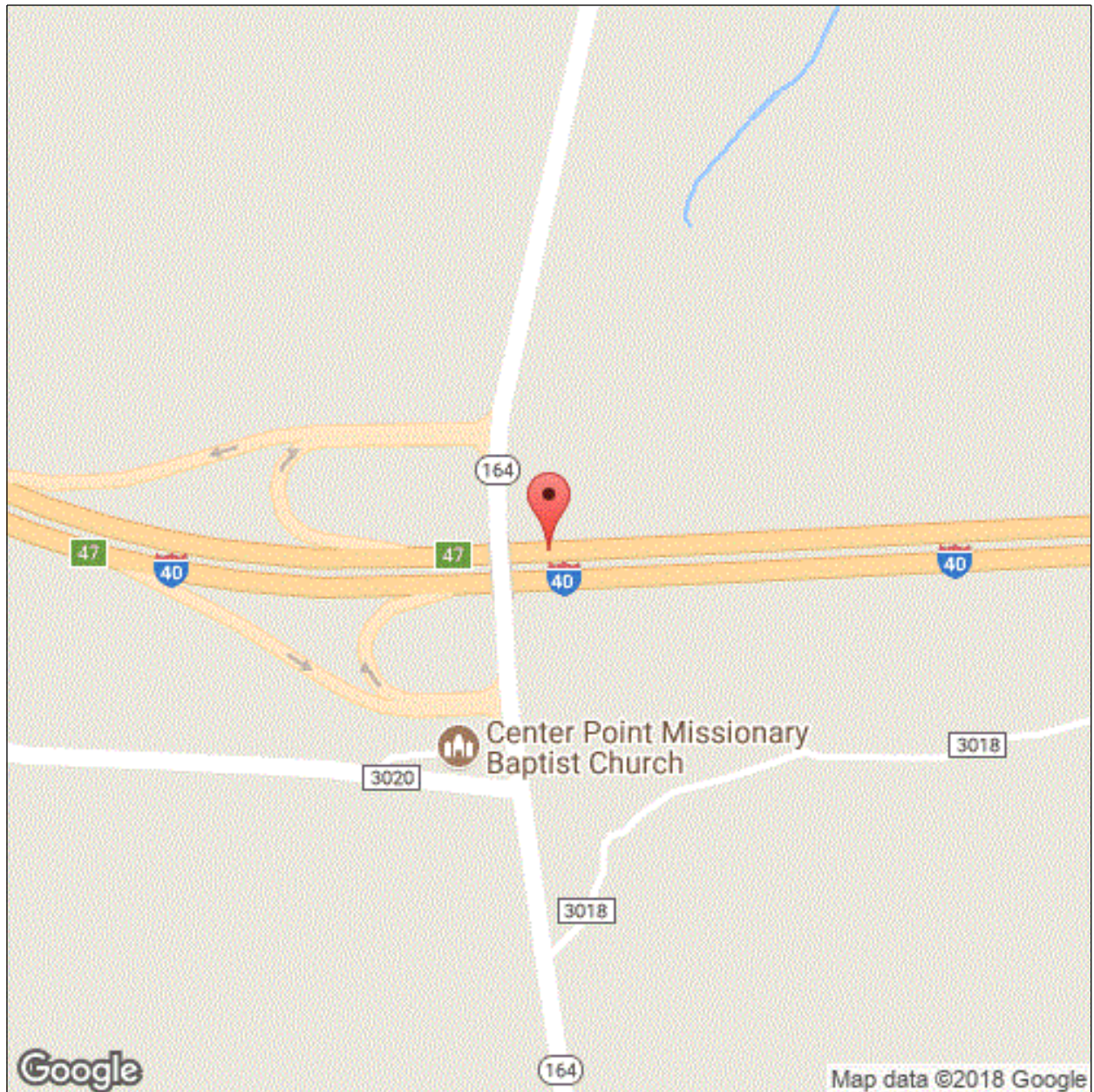
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/31/2018
(8) STRUCTURE NUMBER	A5038	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 40 4	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	08 (3) COUNTY CODE 071	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Dirty Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I 40, WB LNS		
(9) LOCATION	0.03 MI E JCT SH 164		
(11) MILEPOINT 46.540	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000040210 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.49748	(17) LONGITUDE -93.66014		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION	7 (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 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1968	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	6
(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 31702	(19) BYPASS DETOUR LENGTH 10	(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.) 28	(49) STRUCTURE LENGTH (ft.) 140	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 39.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.4		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(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.) 40.4		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	8
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	73.0 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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 14048	(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
38 - Reinforced Concrete Slab	1- Ben.	5880	sq. ft.	2880	2400	600	0
	MAJOR LONG. CRACKING RUNNING ENTIRE LENGTH OF DECK. MINOR CRACKING & SCALE THROUGHOUT. MINOR CRACKING & SPALLING IN SIDES OF SLABS ON LT. SIDE AT CAPS 2 & 4 & ON LT & RT. SIDES AT CAP 3. SOFFIT - MODERATE TO MAJOR LONG. CRACKING RUNNING ENTIRE LENGTH OF DECK UNDER LONG CRACKING IN DECK. MINOR DELAM, CRACKING & SPALLING W / REBAR EXPOSED IN SPAN 3. MODERATE CRACKING & DELAM. IN APPROX. 3' X 8' AREA IN SPAN 4.						
1130 - Cracking (RC and Other)		3000			2400	600	
205 - Reinforced Concrete Column	1- Ben.	12	each	12			
234 - Reinforced Concrete Pier Cap	1- Ben.	256	ft.	190	66	0	0
	COND. 1 - 110 LF - GOOD. COND. 2 - 60 - MINOR DELAM NEAR RT. END BK SIDE & THROUGHOUT AHD SIDE OF CAP 2. MINOR DELAM NEAR LT. END AHD. SIDE OF CAP 3 . MINOR DELAM THROUGHOUT CAP 4. MODERATE DELAM NEAR RT. END BK. SIDE.& MINOR DELAM & SPALL NEAR LT.END AHD SIDE OF CAP 5. MINOR SPALLING W / NO REBAR EXPOSED IN ABUTMENT 1						
1080 - Delamination/Spall/Patched Area		66			66		
321 - Reinforced Concrete Approach Slab	1- Ben.	2847	sq. ft.	2647	200	0	0
	MINOR TO MODERATE CRACKING. MAINLY AT WEST END OF BRIDGE.						
1130 - Cracking (RC and Other)		200			200		
330 - Metal Bridge Railing	1- Ben.	280	ft.	280			
	Aluminum						
331 - Reinforced Concrete Bridge Railing	1- Ben.	280	ft.	280			

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Pictures

PHOTO 1

Description

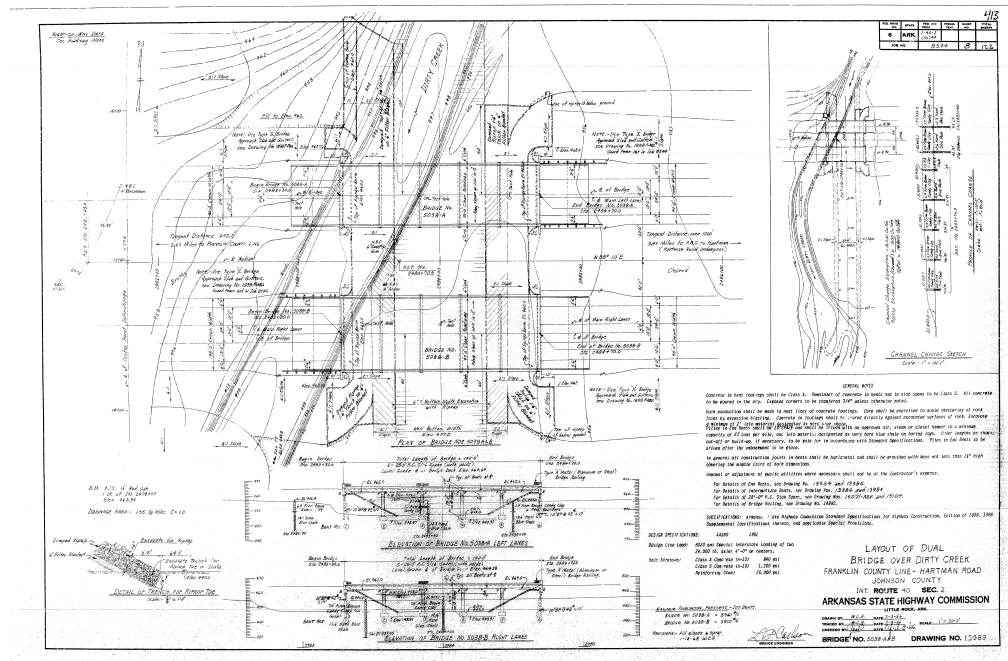


PHOTO 1

Description

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Bridge Inspection Report

Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 1/11/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bridge deck, All spans
Major unsealed longitudinal crack.
Picture included.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typ Long Cracking in all .Spans

Stage: Monitor



PHOTO 2 Description Cracking & Spalling W / Rebar Exposed
in Soffit unde Long Cracks in Deck.

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Maintenance Needs

Stage: Monitor



PHOTO 3 Description Typ. Delam & Cracking in Soffit under Long Cracks in Deck.

Stage: Monitor



PHOTO 4 Description Typ. Cracking in Deck.

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Maintenance Needs

Date Reported: 01/31/2018

Priority: D - Routine

Work Code:

Deficiency Description:

MINOR TO MODERATE BRUSH, VEG, SILT & SMALL BEAVER DAM IN CHANNEL BLOCKING FLOW ON LT. (UP) SIDE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Brush, Veg. & Silt in Channel Blocking Flow on Lt. (Up) Side.