

Bridge Inspection Report

A5202
I-555SB-02- 39.80
over
WHITEMAN DITCH



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

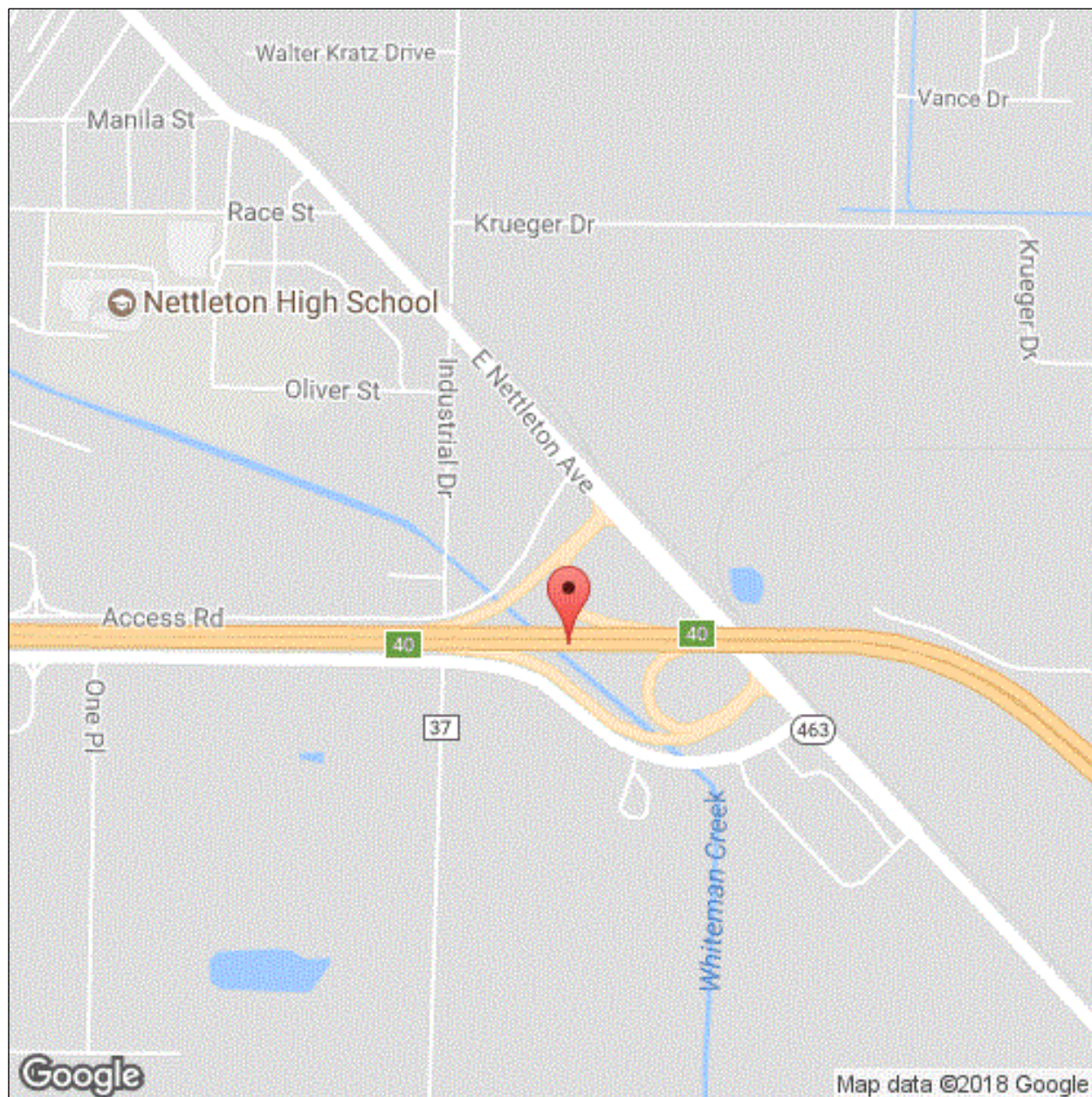
Structure Number: A5202

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Bridge Inspection Report

Location Map



Latitude: 35.80684

Longitude: -90.63970

Inspector:

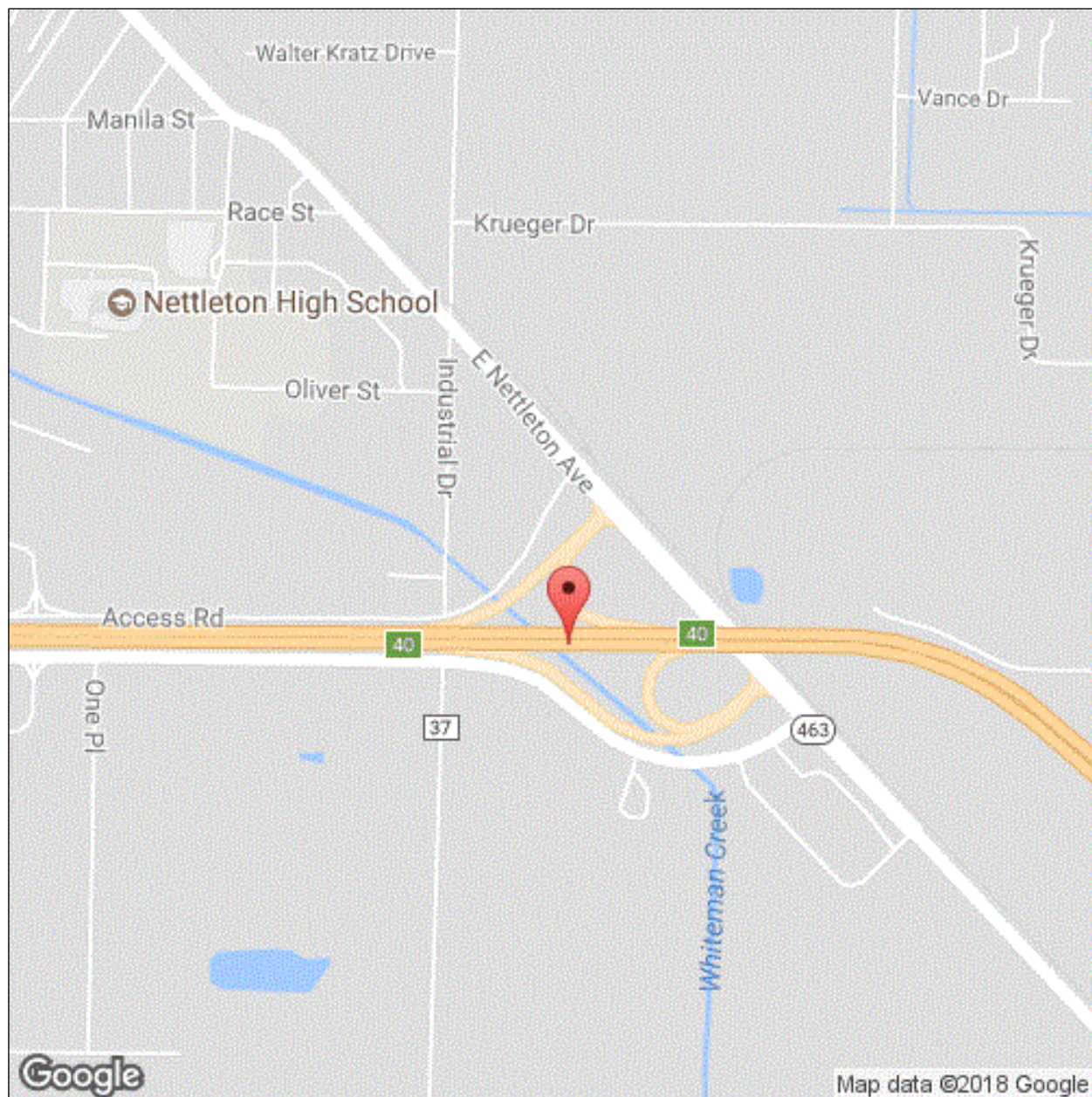
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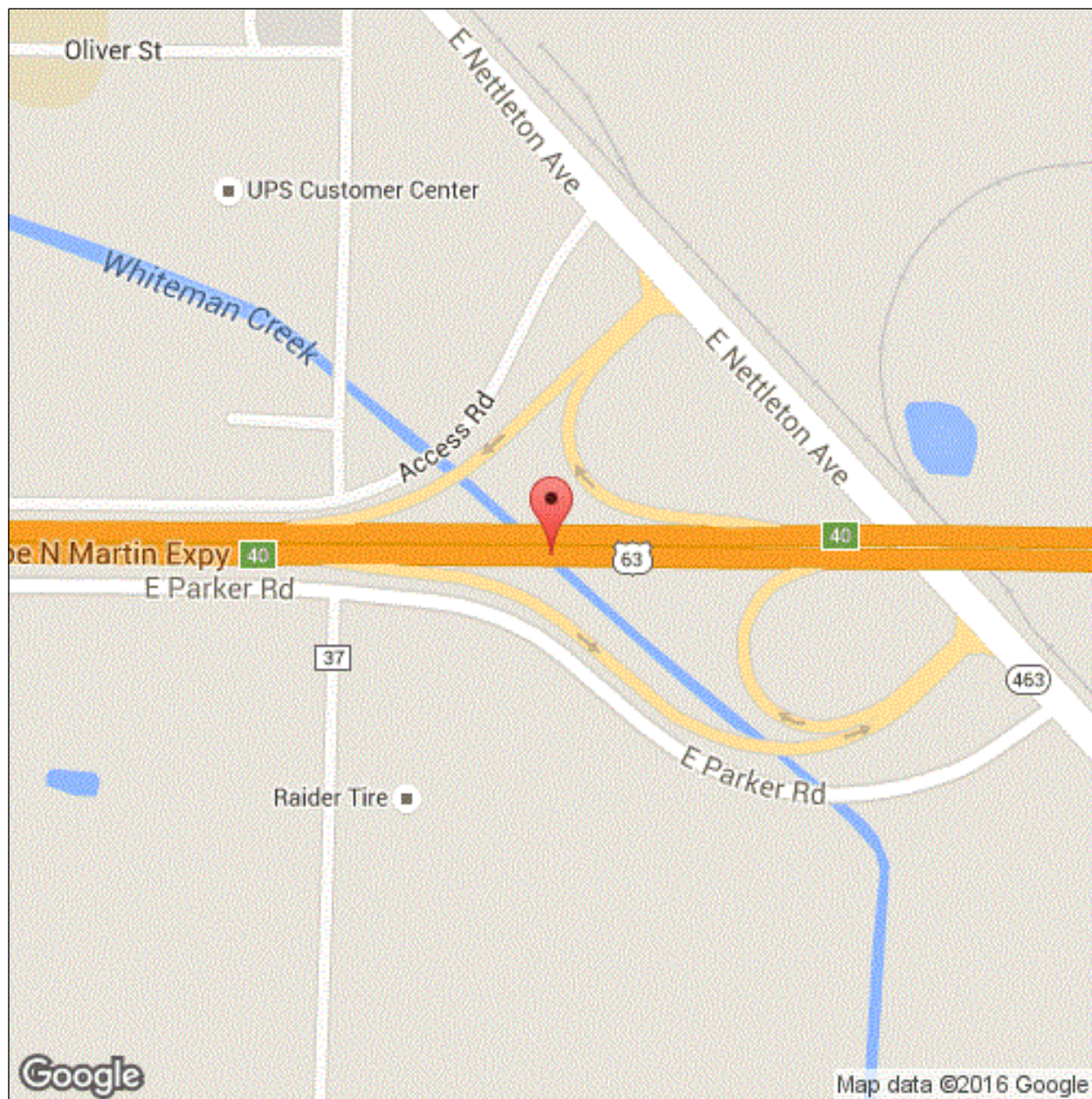
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Executive Summary

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/25/2018
(8) STRUCTURE NUMBER	A5202	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 3	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 031	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	34720	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	WHITEMAN DITCH	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555SB-02- 39.80		
(9) LOCATION	3.26 MI E JCT SH1	CONDITION	
(11) MILEPOINT 39.80	(12) BASE HIGHWAY NETWORK 1	(58) DECK	6
(13A) LRS INVENTORY ROUTE	0000063070 (13B) SUBROUTE NUMBER 01	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 7
(16) LATITUDE 35.80684	(17) LONGITUDE -90.63970	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	5
		(63) METHOD USED TO DETERMINE OPERATING RATING	1
		(64) OPERATING RATING	60.0
		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
		(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
STRUCTURE TYPE AND MATERIAL		APPRAISAL	
(43) STRUCTURE TYPE, MAIN		(67) STRUCTURAL EVALUATION	7
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(68) DECK GEOMETRY	6
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(44) STRUCTURE TYPE, APPROACH SPANS		(71) WATERWAY ADEQUACY	8
A) KIND OF MATERIAL/DESIGN:	0 - Other	(72) APPROACH ROADWAY ALIGNMENT	8
B) TYPE OF DESIGN/CONSTR:	00 - Other	(36) TRAFFIC SAFETY FEATURE	
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH	36A) BRIDGE RAILINGS:	1
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	36B) TRANSITIONS:	1
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
AGE OF SERVICE		(113) SCOUR CRITICAL BRIDGES	5
(27) YEAR BUILT	1978 (106) YEAR RECONSTRUCTED	SUFFICIENCY RATING	90.5 STATUS 0
(42) TYPE OF SERVICE	ON 1 UNDER 5	CLASSIFICATION	
(28) LANES	ON 02 UNDER 00	(112) NBIS BRIDGE LENGTH	Y
(29) AVERAGE DAILY TRAFFIC	25560 (19) BYPASS DETOUR LENGTH	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(100) STRAHNET HIGHWAY DESIGNATION	1
GEOMETRIC DATA		(101) PARALLEL STRUCTURE DESIGNATION	R
(48) LENGTH OF MAX SPAN (ft.)	43 (49) STRUCTURE LENGTH (ft.)	(102) DIRECTION OF TRAFFIC	1
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.4 RIGHT 0.4	(103) TEMP STRUCTURE	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	39.0	(105) FEDERAL LANDS HIGHWAYS	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42	(110) DESIGNATED NATIONAL NETWORK	1
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(20) TOLL	3
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(22) OWNER	01
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	39.7	(37) HISTORICAL	5
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	NAVIGATION DATA	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(38) NAVIGATION CONTROL	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(111) PIER OR ABUTMENT PROTECTION	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(39) NAV VERT CLEARANCE (ft.)	0
PROPOSED IMPROVEMENTS		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	14091 (115) YEAR OF FUTURE ADT		
	2028		

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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.	5587	sq. ft.	3378	2209	0	0
1080 - Delamination/Spall/Patched Area		9			9		
1130 - Cracking (RC and Other)		2200			2200		
107 - Steel Open Girder/Beam	1- Ben.	903	ft.	819	84	0	0
1000 - Corrosion		84			84		
515 - Steel Protective Coating		6953	sq. ft.	6383	0	570	0
3440 - Effectiveness (Steel Protective Coatings)		570				570	
215 - Reinforced Concrete Abutment	1- Ben.	147	ft.	147			
227 - Reinforced Concrete Pile	1- Ben.	14	each	14			
234 - Reinforced Concrete Pier Cap	1- Ben.	124	ft.	124			
302 - Compression Joint Seal	1- Ben.	262	ft.	262			
311 - Movable Bearing	1- Ben.	21	each	0	21	0	0
1000 - Corrosion		21			21		
313 - Fixed Bearing	1- Ben.	21	each	0	21	0	0
1000 - Corrosion		21			21		
321 - Reinforced Concrete Approach Slab	1- Ben.	1680	sq. ft.	1524	62	94	0
1130 - Cracking (RC and Other)		56			12	44	
1190 - Abrasion/Wear (PSC/RC)		100			50	50	
330 - Metal Bridge Railing	1- Ben.	264	ft.	264			
331 - Reinforced Concrete Bridge Railing	1- Ben.	264	ft.	264			

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Bridge Inspection Report

Pictures

PHOTO 1

Description

[illegible]

PHOTO 1

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Pictures

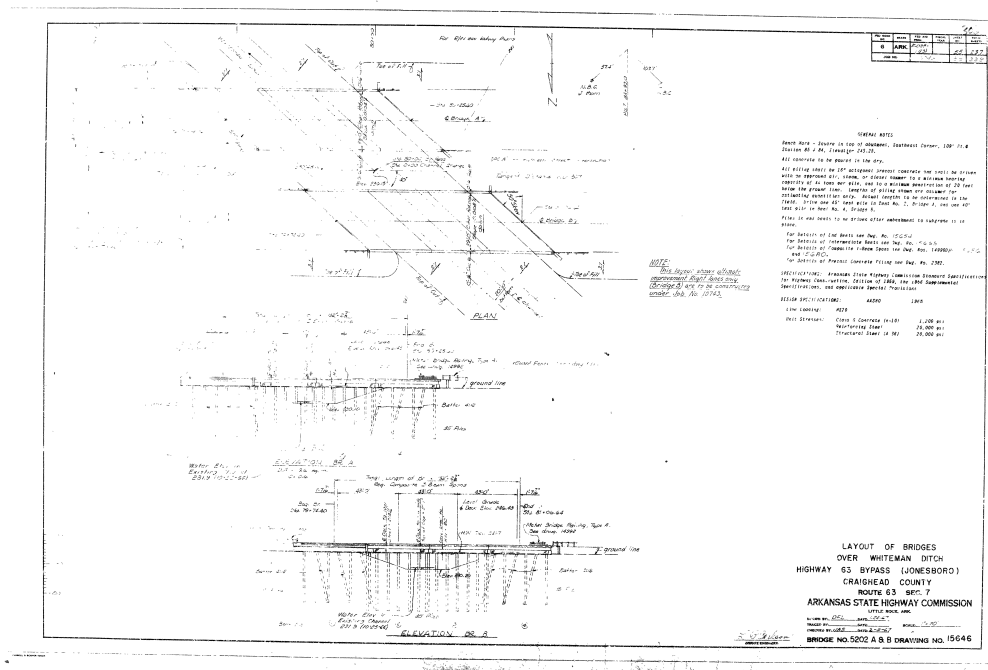


PHOTO 2

Description layout

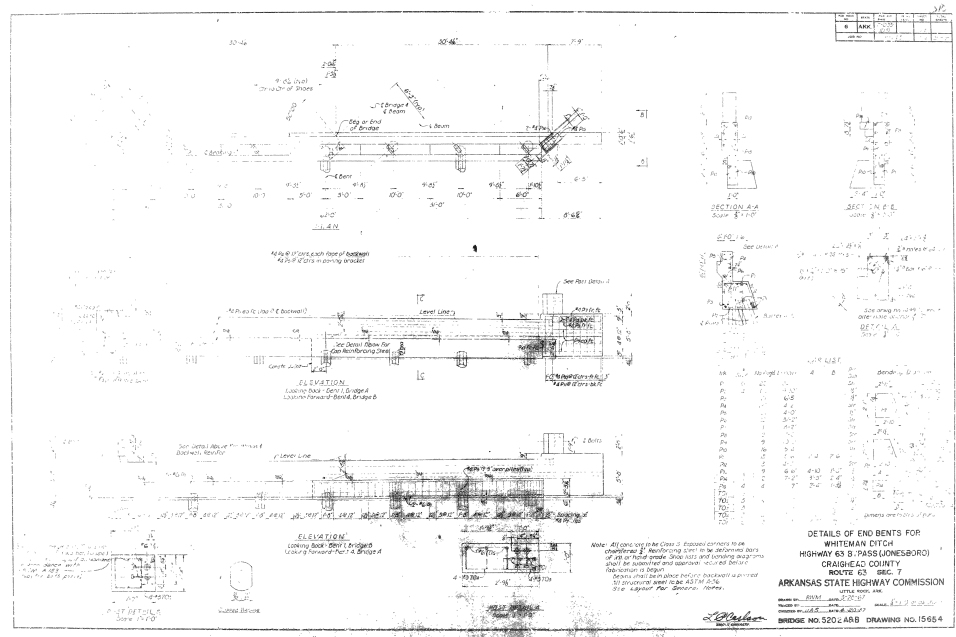


PHOTO 3

Description

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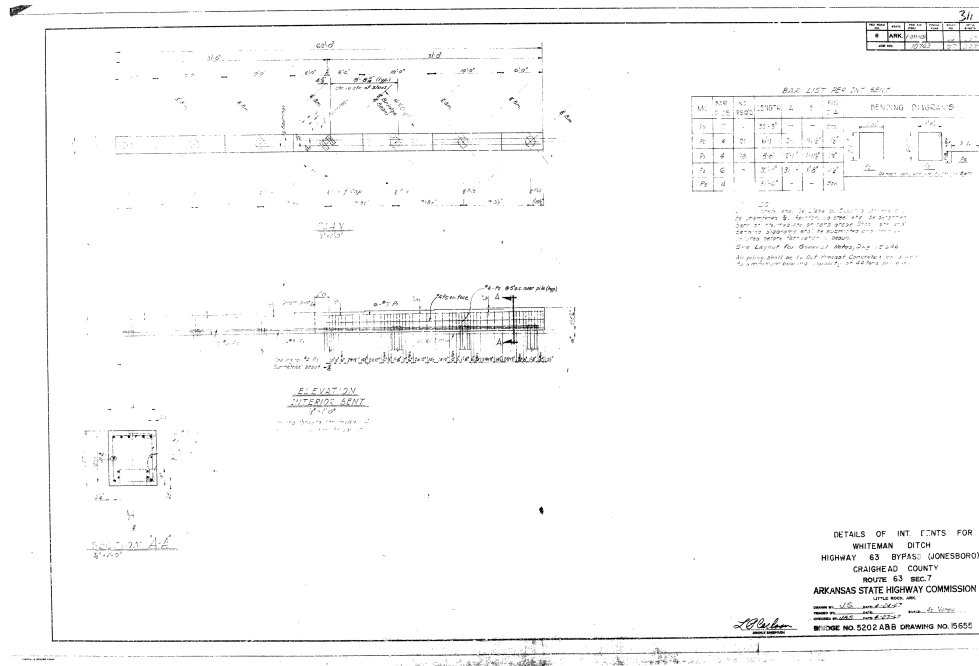


PHOTO 4

Description

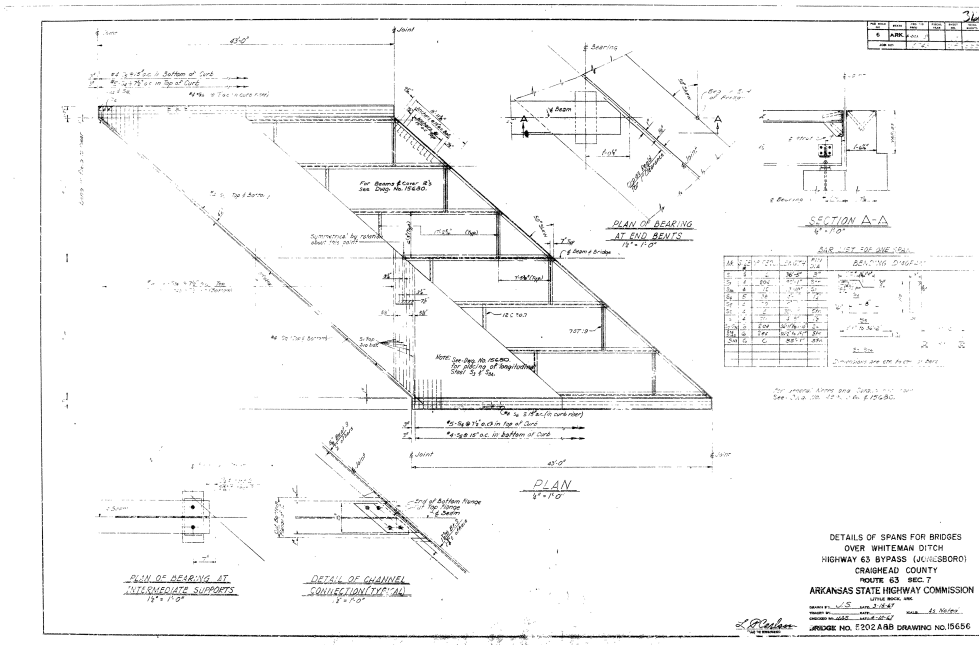


PHOTO 5

Description

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Sketches

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Maintenance Needs

Date Reported: 1/25/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Concrete approach slabs
Several open unsealed cracks

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/25/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Steel Girders
Steel Girders have 10% paint deterioration and light rust forming on ends of girders.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/25/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Span 1 Bay 5 Diap. 1
Diaphragm has 1 loose bolt.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 1/25/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Steel bearings

Bent 1 & 4 steel bearings are rusted with minor pitting.

Bent 2 & 3 steel bearings are rusted with initial loss of section.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 01/13/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Concrete deck has moderate size and density cracks with a few spalls.

Work Description:

Date Repairs Completed:

Maintenance Comments:
