

Bridge Inspection Report

B5202
I-555 NB-03-39.80
over
WHITEMAN DITCH



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

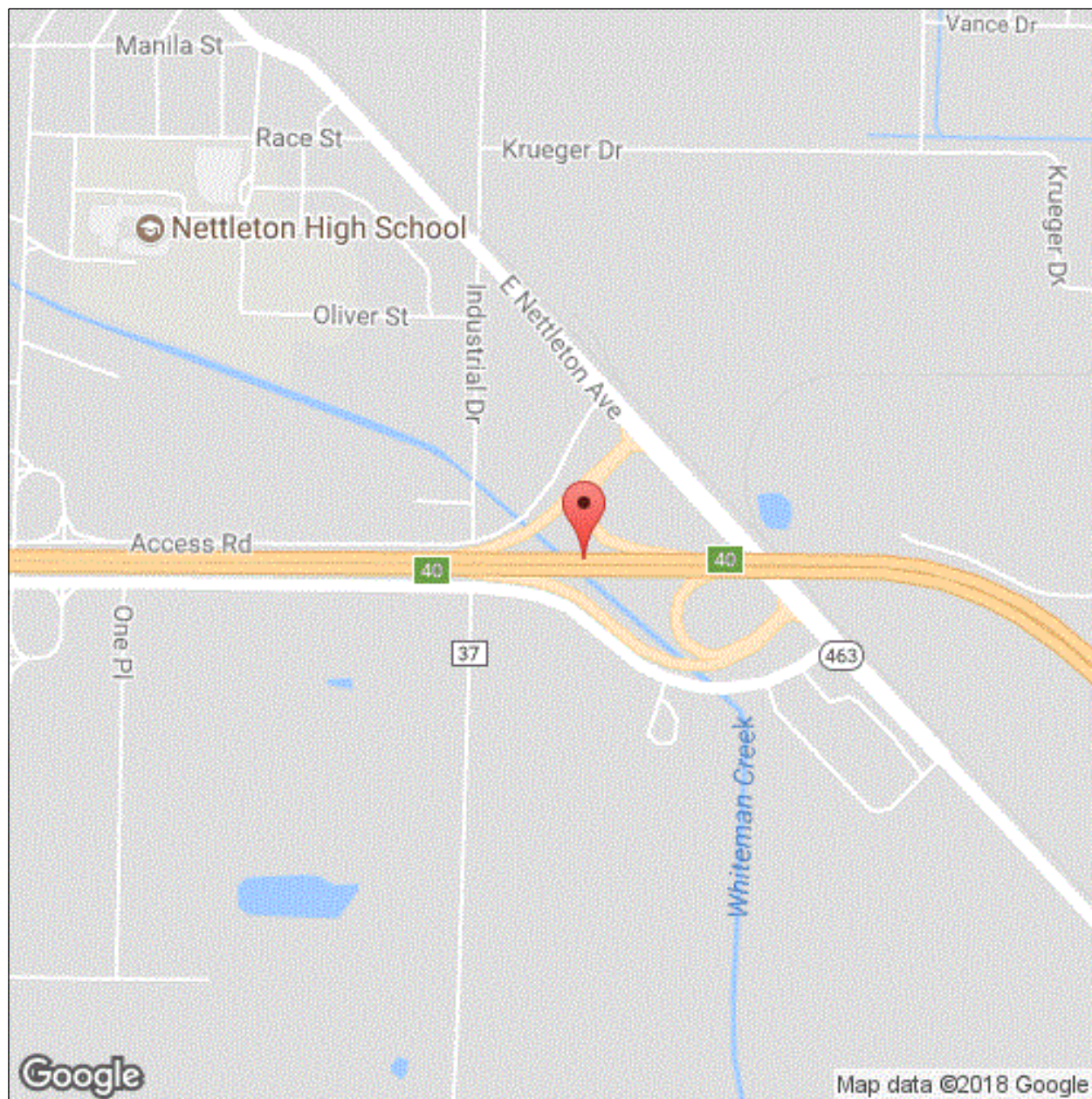
Structure Number: B5202

Inspection Date:

Facility Carried: I-555 NB-03-39.80

Bridge Inspection Report

Location Map



Latitude: 35.80702

Longitude: -90.63995

Inspector:

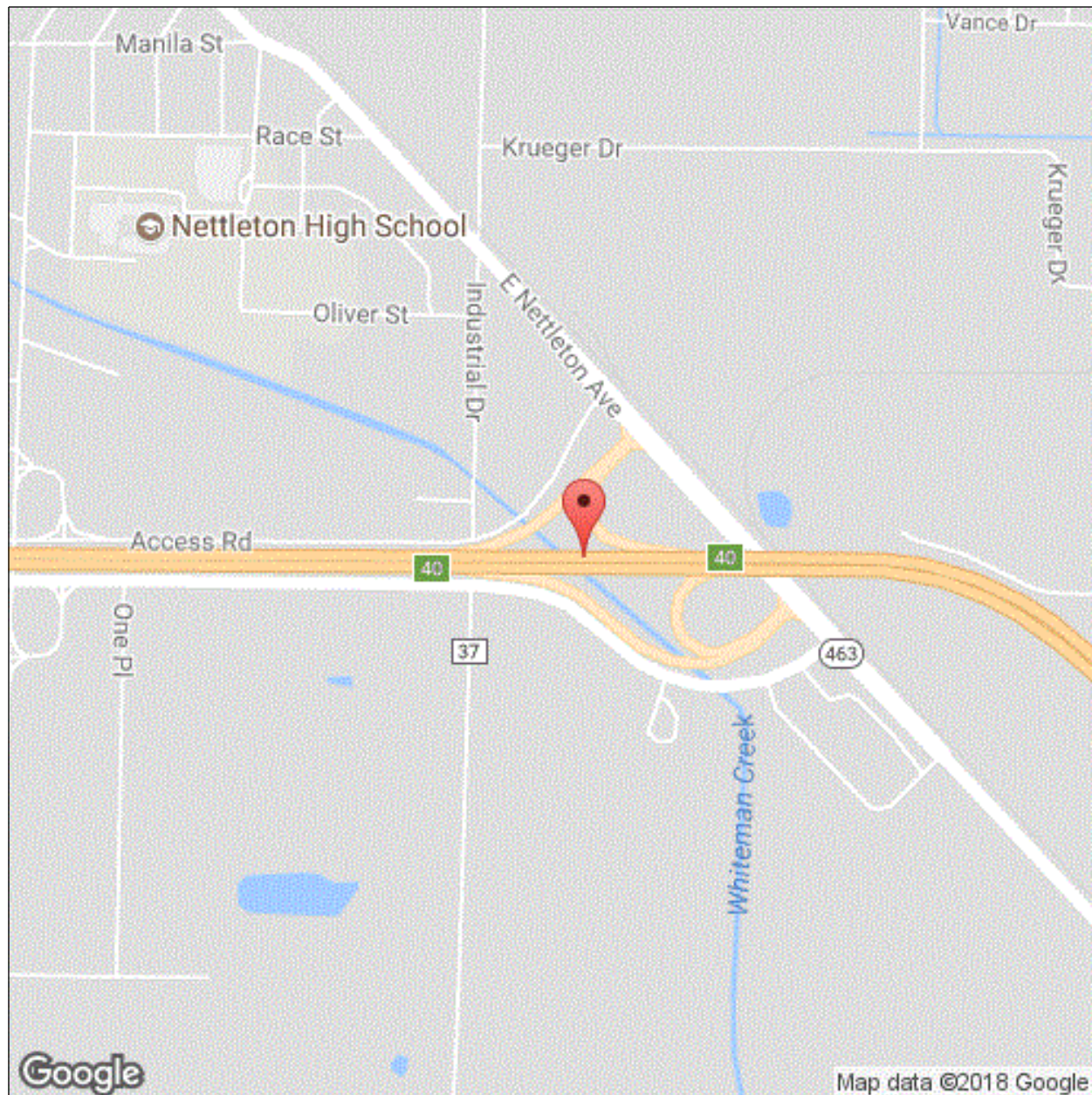
Structure Number: B5202

Inspection Date:

Facility Carried: I-555 NB-03-39.80

Bridge Inspection Report

Location Map



Latitude: 35.80702

Longitude: -90.63995

Inspector:

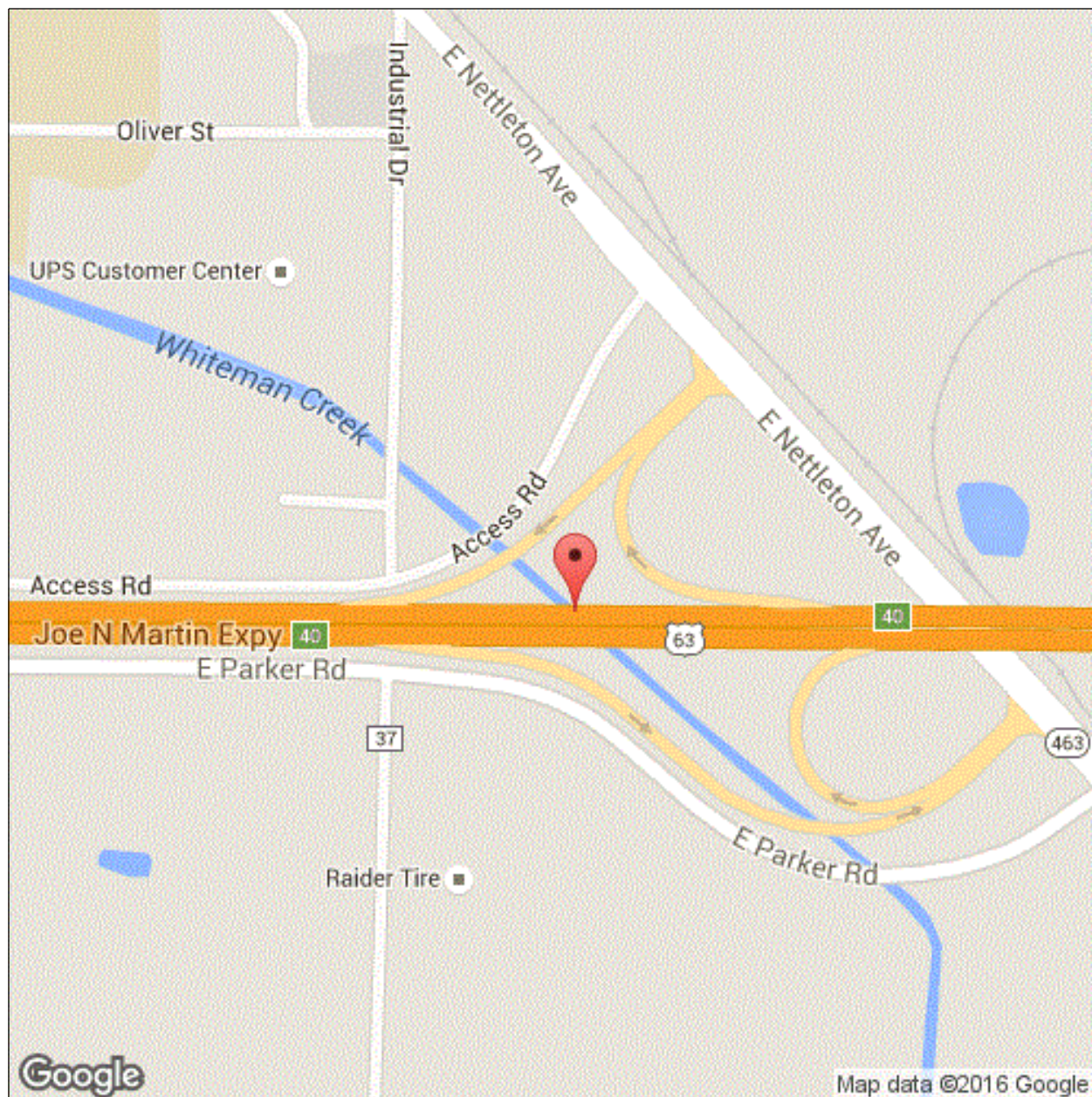
Structure Number: B5202

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Bridge Inspection Report

Location Map



Latitude: 35.80702

Longitude: -90.63995

Inspector:

Inspection Date:

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Bridge Inspection Report

Executive Summary

Inspector:

Structure Number: B5202

Inspection Date:

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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	B5202	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 1	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 031	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	WHITEMAN DITCH	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555 NB-03-39.80		
(9) LOCATION	3.26 MI E OF JCT SH 1		
(11) MILEPOINT 39.80	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.80702	(17) LONGITUDE -90.63995		
(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: 3 - Steel		(59) SUPERSTRUCTURE 6	(60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(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 3	(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 1970	(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 24000	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2013		(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.) 43	(49) STRUCTURE LENGTH (ft.) 129	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.4 RIGHT 0.4		(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		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 50	(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.) 39.7		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 92.7	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	11
(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 14091	(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	5
		(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
12 - Reinforced Concrete Deck	1- Ben.	5544	sq. ft.	4212	183	1149	0
1080 - Delamination/Spall/Patched Area		1149				1149	
1090 - Exposed Rebar		27			27		
1130 - Cracking (RC and Other)		156			156		
107 - Steel Open Girder/Beam	1- Ben.	903	ft.	819	0	84	0
1000 - Corrosion		84				84	
515 - Steel Protective Coating		6953	sq. ft.	0	0	6383	570
3440 - Effectiveness (Steel Protective Coatings)		6953				6383	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.	109	5	10	0
1080 - Delamination/Spall/Patched Area		5			5		
1090 - Exposed Rebar		10				10	
302 - Compression Joint Seal	1- Ben.	262	ft.	0	240	22	0
2330 - Seal Damage		262			240	22	
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.	1636	4	40	0
1080 - Delamination/Spall/Patched Area		4			4		
1130 - Cracking (RC and Other)		40				40	
330 - Metal Bridge Railing	1- Ben.	265	ft.	265			
331 - Reinforced Concrete Bridge Railing	1- Ben.	265	ft.	265			

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Bridge Inspection Report

Pictures

300

DATE	REV	BY	APP
10/12	1	10/12	10/12
10/12	2	10/12	10/12
10/12	3	10/12	10/12

SUMMARY OF BRIDGE QUANTITIES JOB 11143

ITEM NO	SP-B02-9	SP-B03	B04	B04	SP-B06 (B06)		SP-B06-7	B12	B17
					SP-B06	SP-B06-7			
Item No	SP-B02-9	SP-B03	B04	B04	SP-B06	SP-B06-7	B12	B17	
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Bridge Inspection Report

Pictures

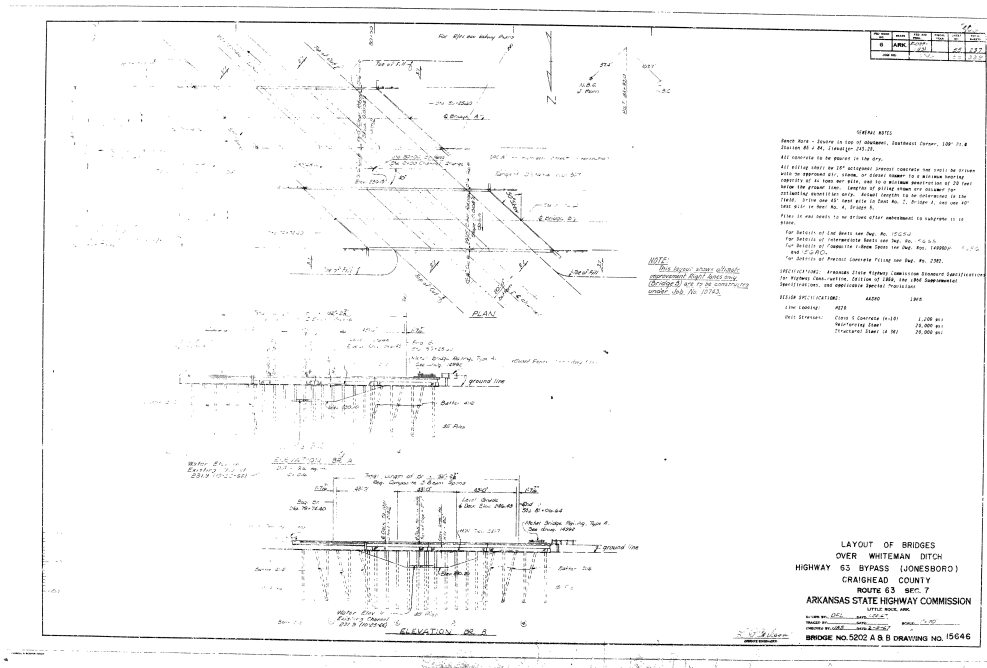


PHOTO 2

Description

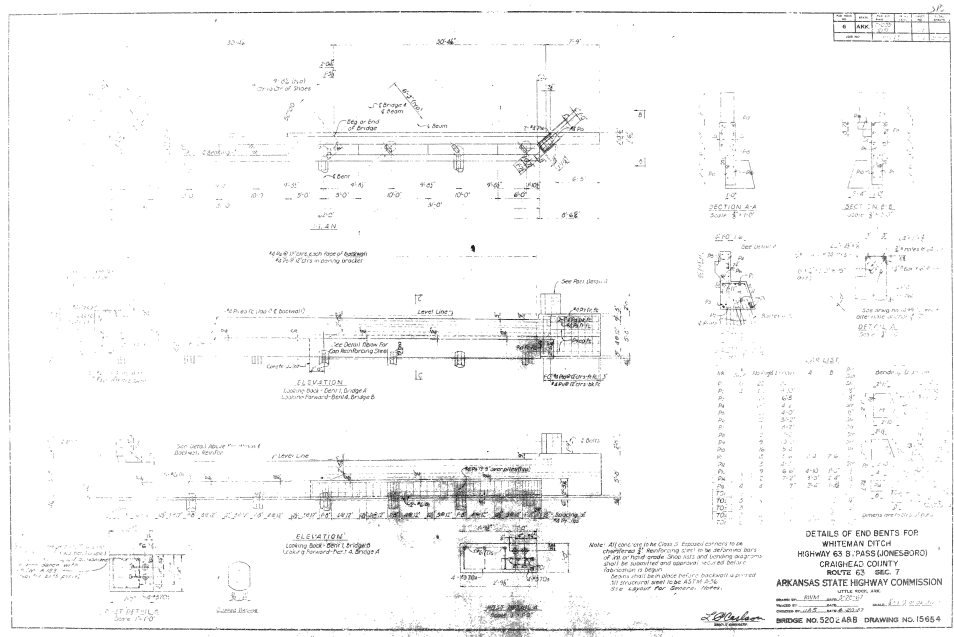


PHOTO 3

Description

Inspector:

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Bridge Inspection Report

Pictures

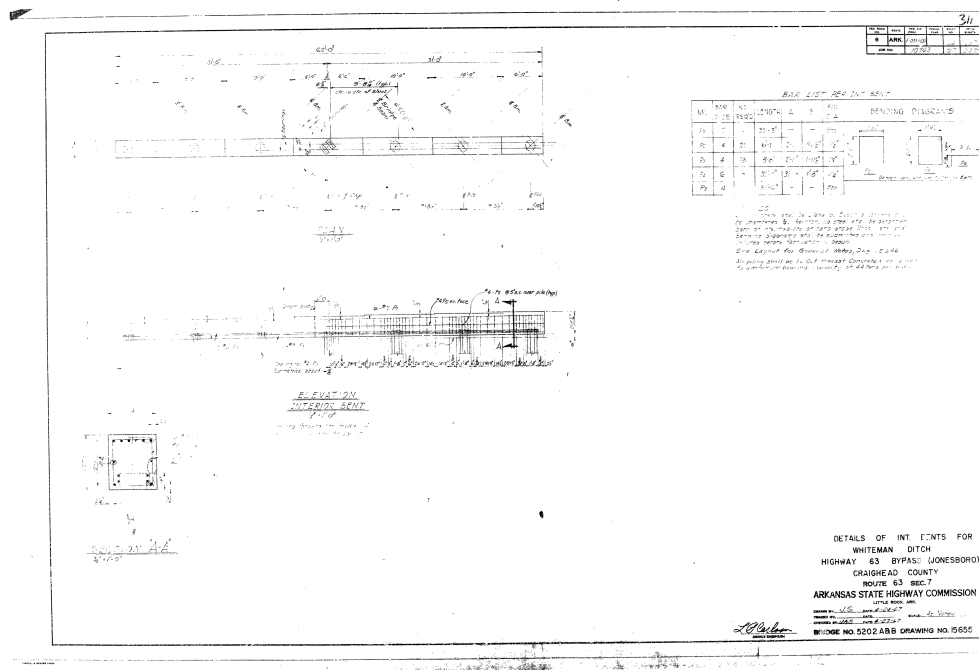


PHOTO 4

Description

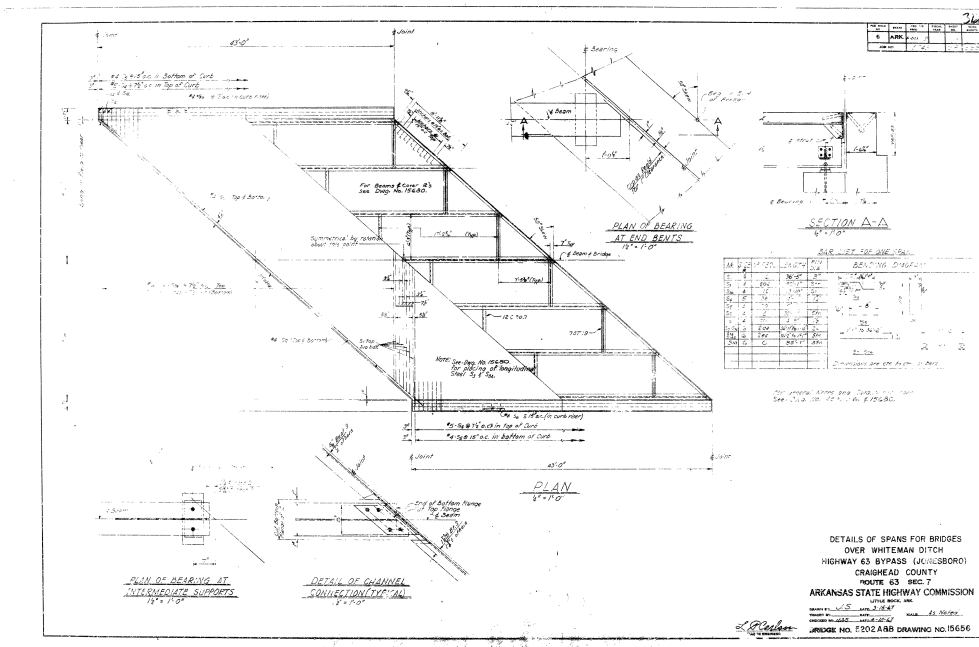


PHOTO 5

Description

Inspector:

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Facility Carried: I-555 NB-03-39.80

Bridge Inspection Report

Sketches

Inspector:

Structure Number: B5202

Inspection Date:

Facility Carried: I-555 NB-03-39.80

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/12/2016

Priority: C - Important

Work Code:

Deficiency Description:

Concrete deck has several unsealed transverse cracks, delaminated areas, and large spalls; some with rebar exposed. Deck has several asphalt and concrete patches in fair to poor condition.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Spalls along joint over bent 1

Stage: Monitor



PHOTO 2 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Stage: Monitor



PHOTO 4 Description Deck at span 1

Stage: Monitor



PHOTO 5 Description Deck at span 1

Stage: Monitor



PHOTO 6 Description Deck at span 2

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 7 Description Lt gutter at span 2

Stage: Monitor



PHOTO 8 Description Rebar exposed at span 2

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Bridge Inspection Report

Maintenance Needs

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

Priority: C - Important

Work Code:

Deficiency Description:

Deck Compression Seals

Majority of compression seals have dropped down up to 4 in.

Work Description:

Date Repairs Completed:

Maintenance Comments:

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

Priority: C - Important

Work Code:

Deficiency Description:

Bt. #3 Conc. Cap.

Several small spalls on bottom of cap with exposed rebar.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 01/12/2016

Priority: C - Important

Work Code:

Deficiency Description:

Approach slabs have a few large unsealed cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Approach slab at bent 4 end of bridge

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Maintenance Needs

Date Reported: 01/12/2016

Priority: C - Important

Work Code:

Deficiency Description:

Approach slab at bent 1 end of bridge has 4.5" gap between approach slab and approach roadway.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Gap between approach slab and approach roadway