

Bridge Inspection Report

00574

US 463-02-LM 10.02

over

DITCH 26



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

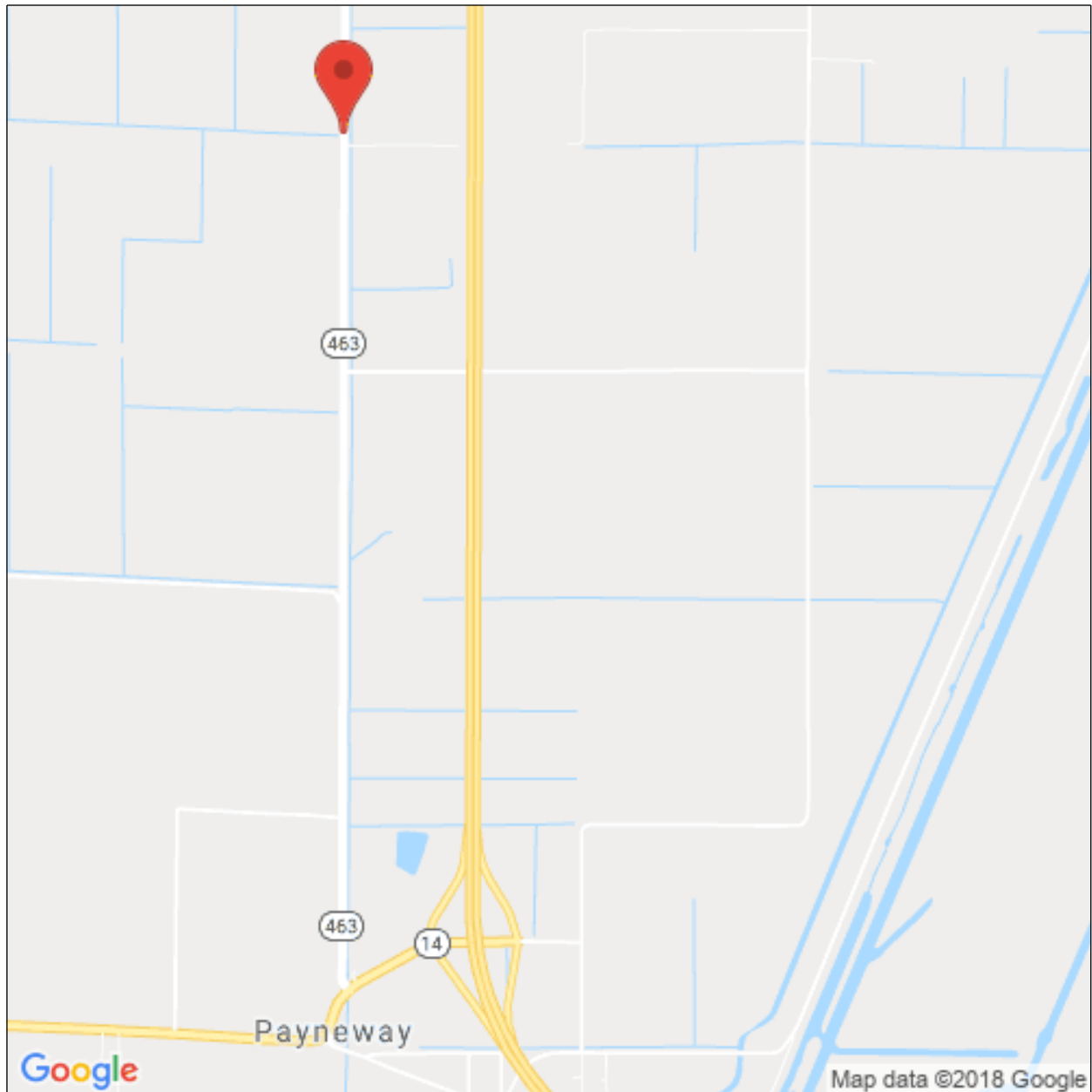
Structure Number: 00574

Inspection Date:

Facility Carried: US 463-02-LM 10.02

Bridge Inspection Report

Location Map



Latitude: 35.57245

Longitude: -90.50195

Inspector:

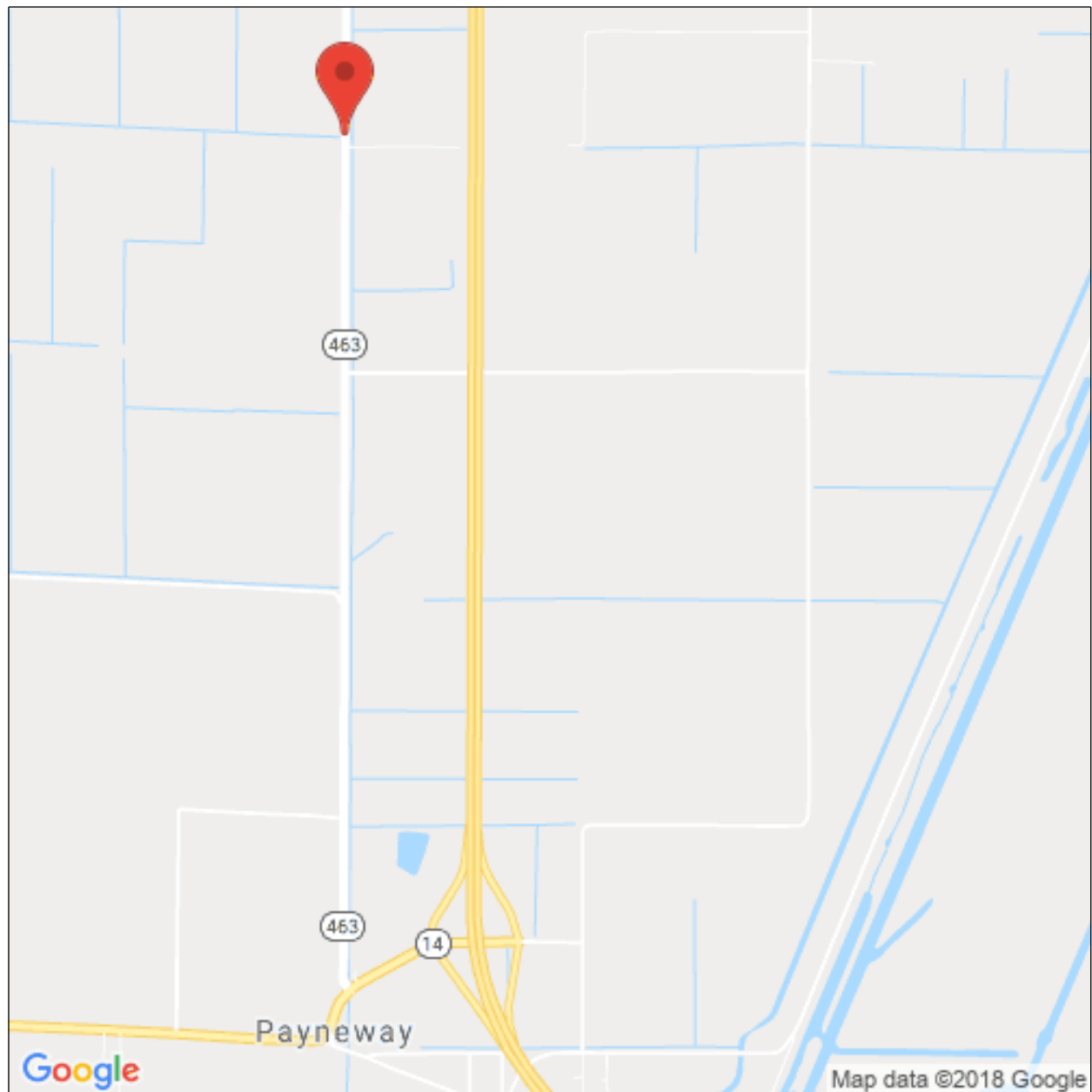
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Location Map



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Longitude: -90.50195

Inspector:

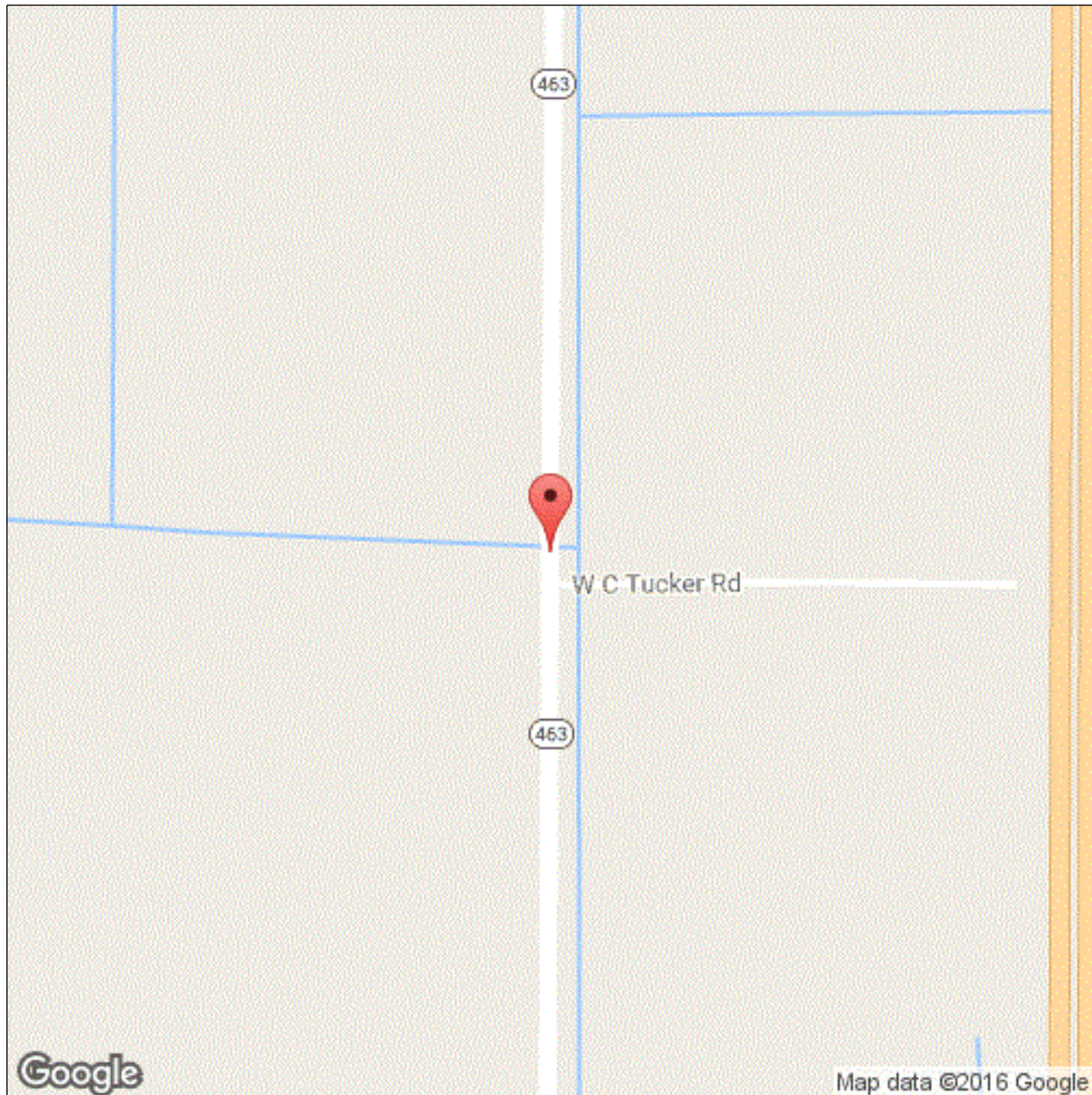
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/14/2018
(8) STRUCTURE NUMBER	00574	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 463 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 111	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	DITCH 26	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 463-02-LM 10.02		
(9) LOCATION	2 MI NO JCT SH 14		
(11) MILEPOINT 10.020	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.57245	(17) LONGITUDE -90.50195		
(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	(60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(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 2	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1928	(106) YEAR RECONSTRUCTED 1939	(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	60.0
(29) AVERAGE DAILY TRAFFIC 430	(19) BYPASS DETOUR LENGTH 12	(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.) 29	(49) STRUCTURE LENGTH (ft.) 60	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 29.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 33		(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.) 32.2		(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 30.8		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 91.6	STATUS 0
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 84.0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)	128	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	306	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 646	(115) YEAR OF FUTURE ADT 2028	(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	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
16 - Reinforced Concrete Top Flange	1- Ben.	2015	sq. ft.	1933	0	82	0
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		80				80	
510 - Wearing Surfaces		1720	sq. ft.	1420	0	300	0
3220 - Crack (Wearing Surface)		300				300	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	307	ft.	222	84	1	0
1090 - Exposed Rebar		1				1	
1130 - Cracking (RC and Other)		84			84		
205 - Reinforced Concrete Column	1- Ben.	4	each	0	2	2	0
1080 - Delamination/Spall/Patched Area		2			2		
1090 - Exposed Rebar		2				2	
215 - Reinforced Concrete Abutment	1- Ben.	152	ft.	137	5	10	0
1080 - Delamination/Spall/Patched Area		5			5		
1090 - Exposed Rebar		3				3	
1120 - Efflorescence/Rust Staining		6				6	
1130 - Cracking (RC and Other)		1				1	
234 - Reinforced Concrete Pier Cap	1- Ben.	28	ft.	27	0	1	0
1120 - Efflorescence/Rust Staining		1				1	
331 - Reinforced Concrete Bridge Railing	1- Ben.	120	ft.	108	6	6	0
1080 - Delamination/Spall/Patched Area		6			6		
1090 - Exposed Rebar		6				6	

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Pictures

PHOTO 1

Description channel profile

PHOTO 1

Description

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Pictures

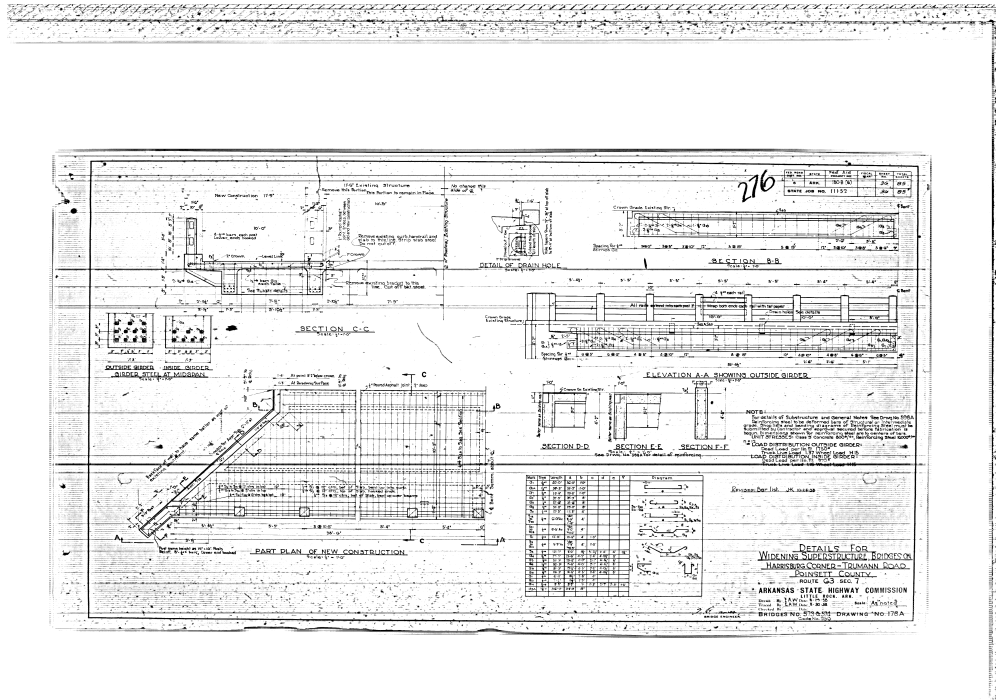


PHOTO 1

Description Modified superstructure

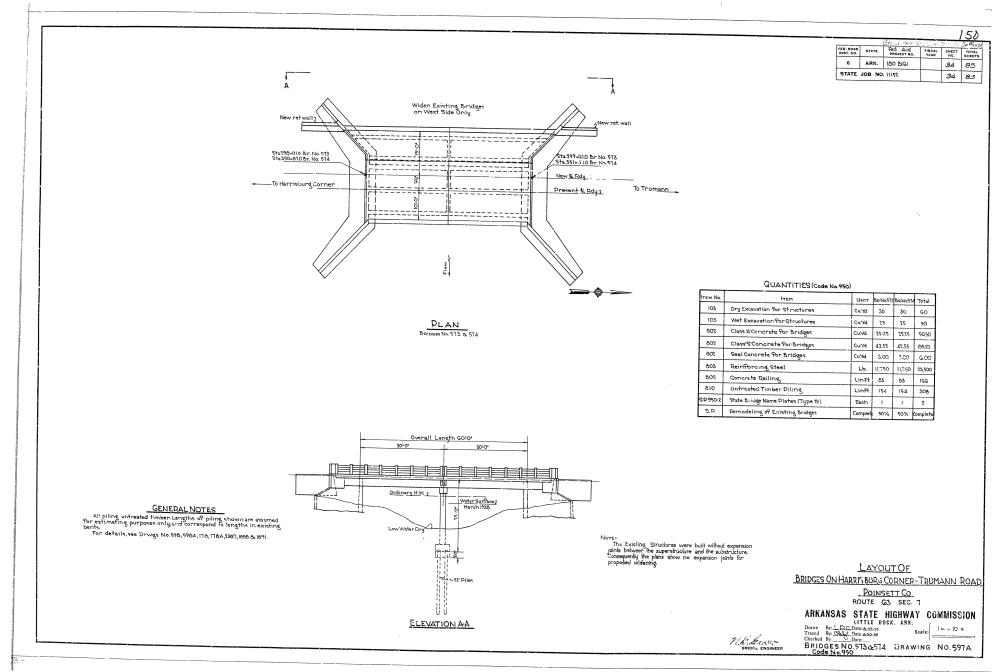


PHOTO 2

Description Modified layout

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Pictures

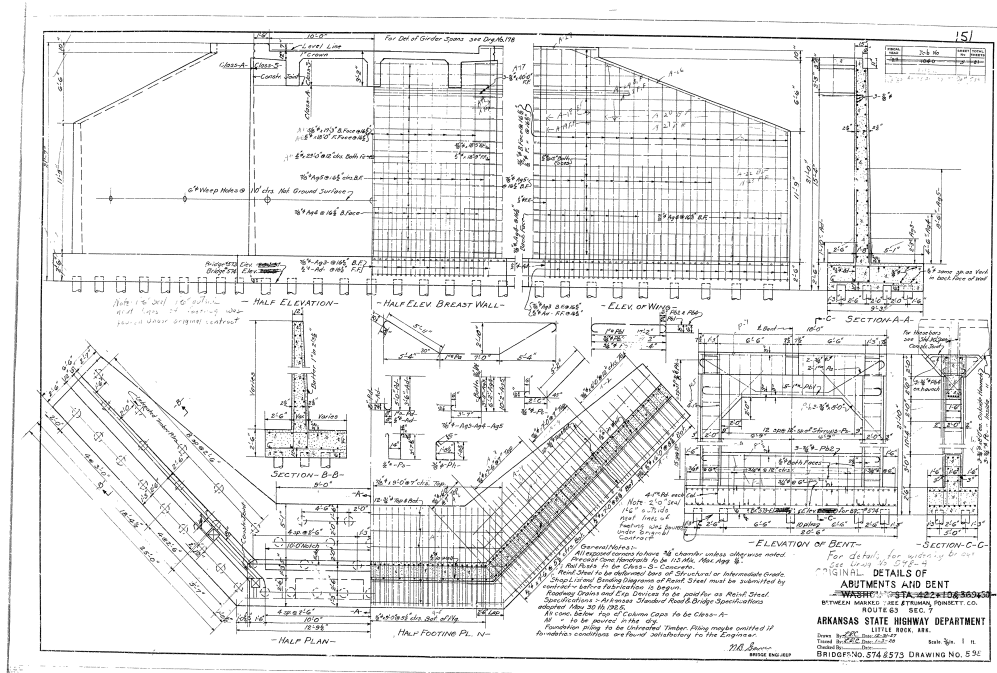


PHOTO 3

Description Original cross section

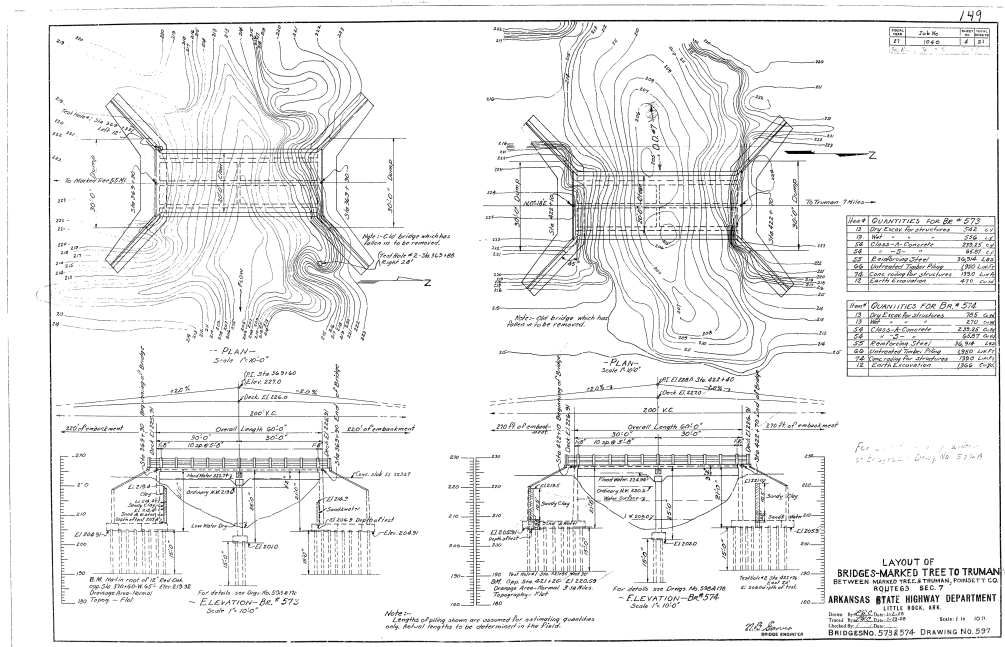


PHOTO 4

Description Original layout

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Pictures

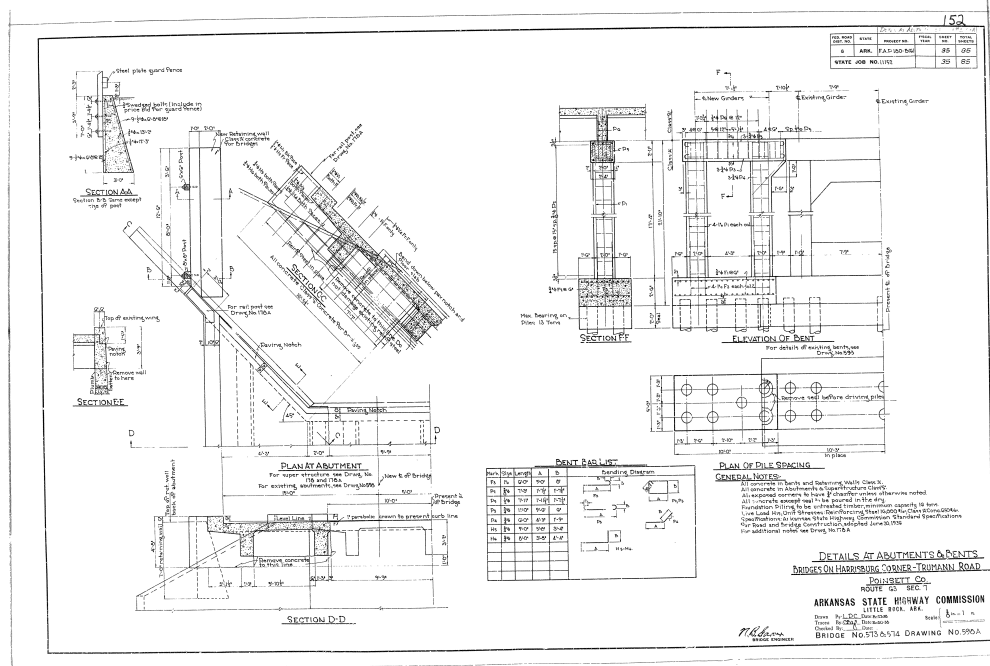


PHOTO 5

Description	Modified cross section
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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 2 columns 1 - 4 have honeycombed areas and areas of abrasion. Columns 1 and 4 have some rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 2 Column 1

Inspector:

Structure Number: 00574

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Abutments have a few honeycombed areas/spalls with some rebar exposed. Abutments have a few efflorescent cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 00574

Inspection Date:

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Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 2 bent 2 girder 1 has a spall with rebar at concrete haunch.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Span 2 Bent 2 Left