

Bridge Inspection Report

05879
SH 373-02- LM 3.64
over
DITCH NO 1



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	9
SKETCHES	13

Inspector:

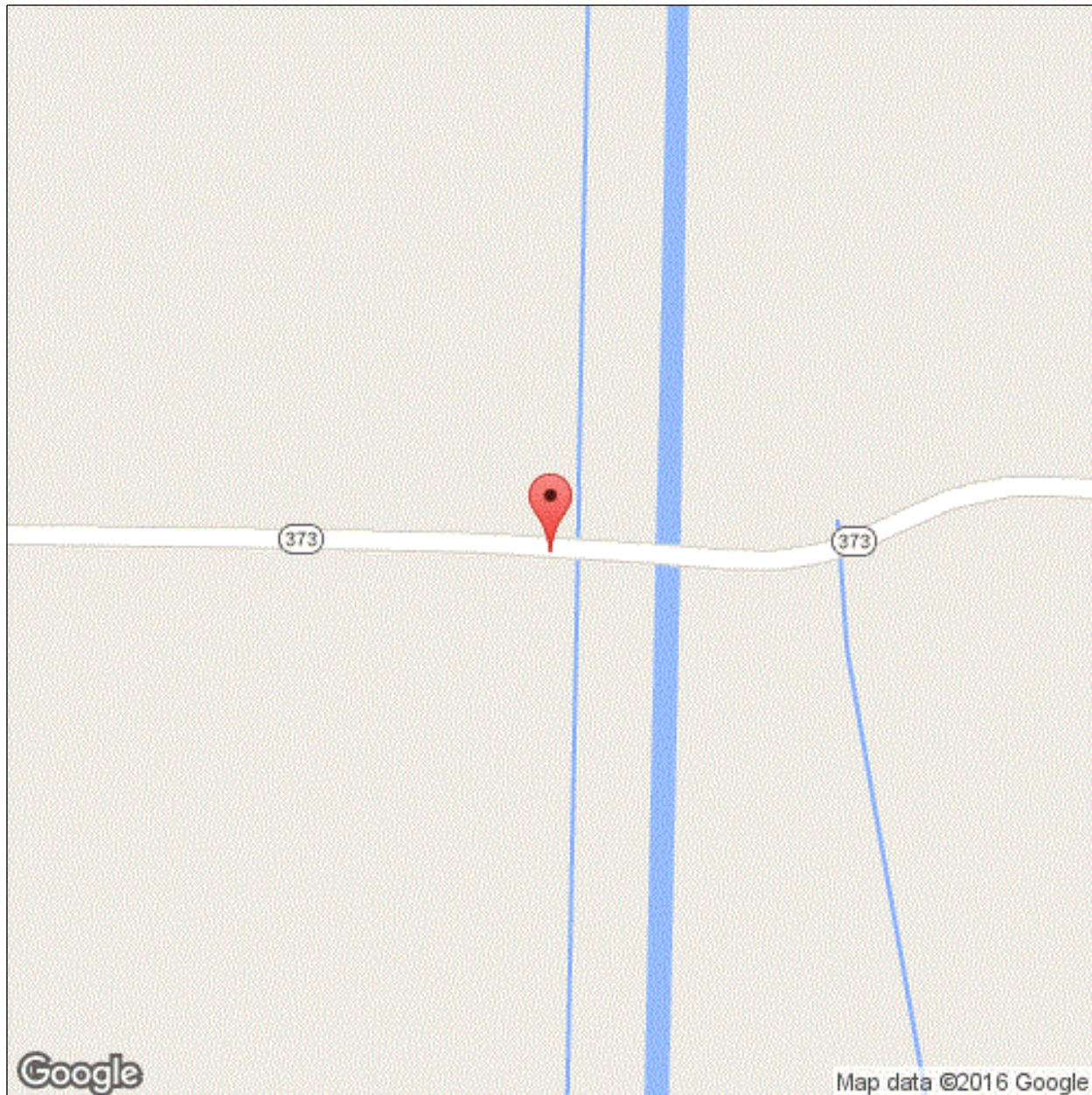
Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Location Map



Latitude: 35.47808

Longitude: -90.62937

Inspector:

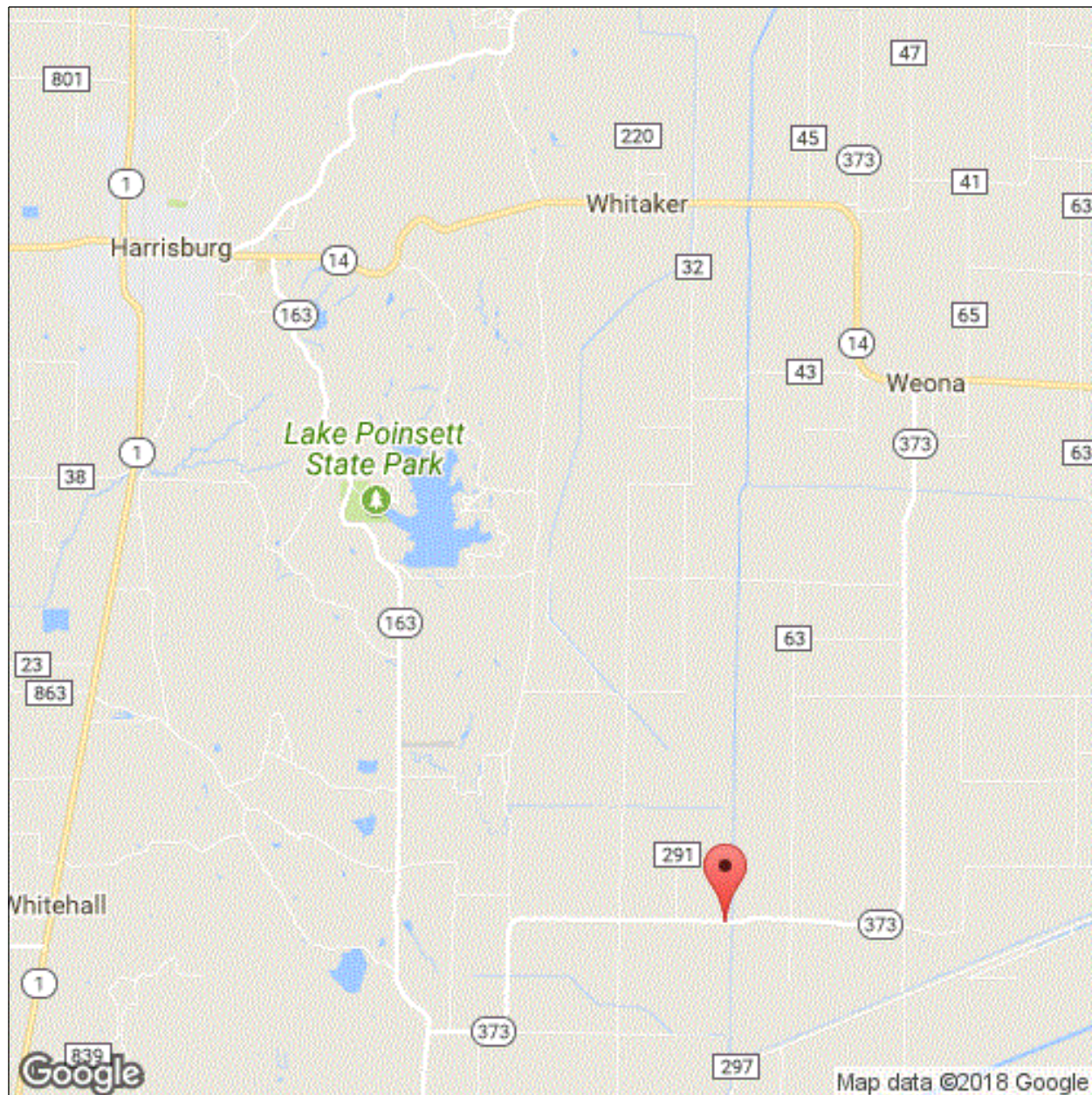
Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Location Map



Latitude: 35.47808

Longitude: -90.62937

Inspector:

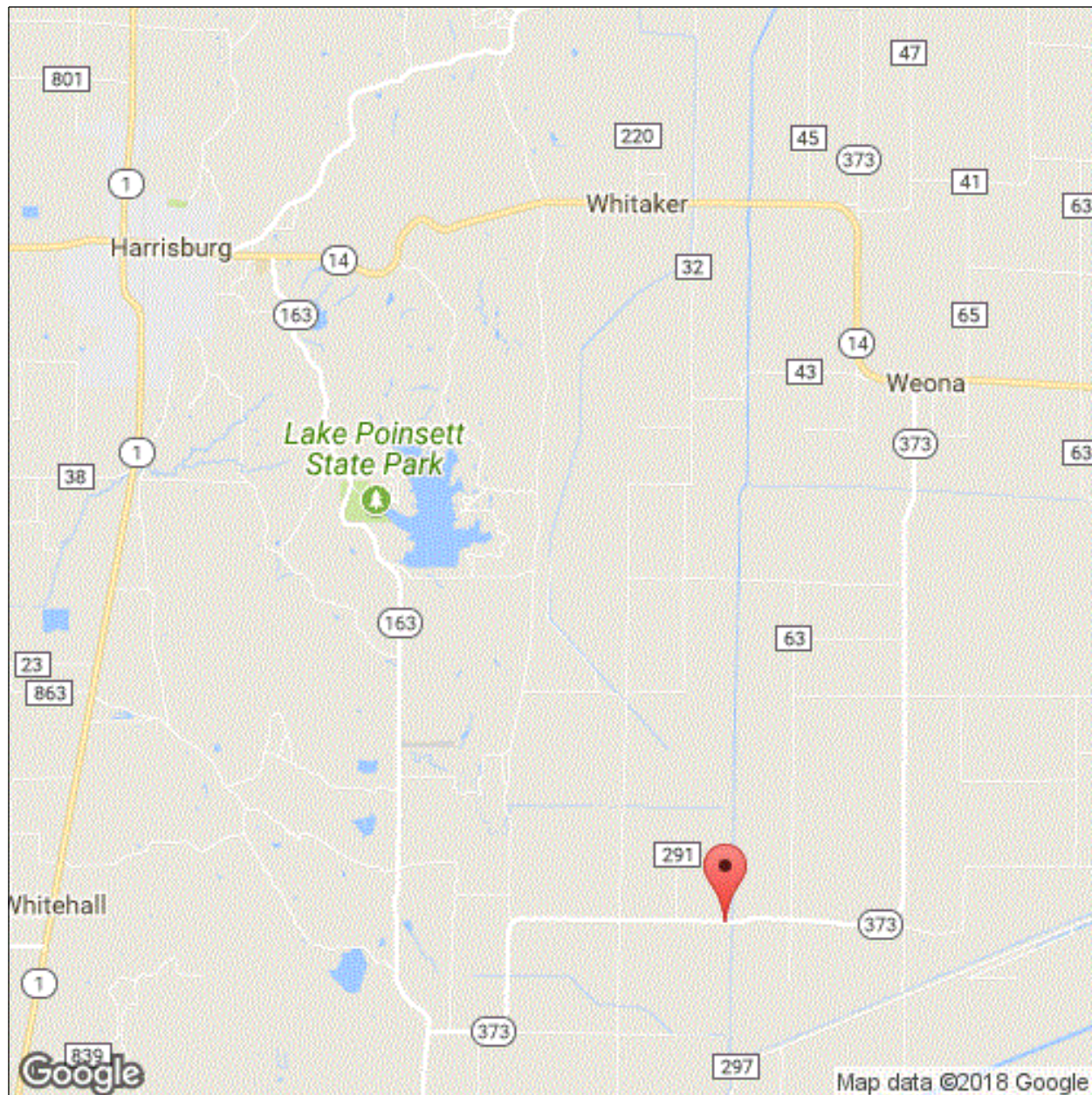
Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Location Map



Latitude: 35.47808

Longitude: -90.62937

Inspector:

Inspection Date:

Structure Number: 05879

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Executive Summary

Inspector:

Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/04/2018
(8) STRUCTURE NUMBER	05879	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 373 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 NO 1	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 373-02- LM 3.64		
(9) LOCATION	3.64 E SH 163		
(11) MILEPOINT 3.640	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.47808	(17) LONGITUDE -90.62937		
(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	6
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
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 1981	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	4
(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	58
(29) AVERAGE DAILY TRAFFIC 220	(19) BYPASS DETOUR LENGTH 9	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	35
(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.) 175	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 24.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 26.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 27.9		(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.) 24.9		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	87.1
		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	07
(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		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 236	(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

Inspector:

Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38 - Reinforced Concrete Slab	1- Ben.	4696	sq. ft.	3692	550	454	0
1080 - Delamination/Spall/Patched Area		298				298	
1090 - Exposed Rebar		146				146	
1130 - Cracking (RC and Other)		80			80		
1190 - Abrasion/Wear (PSC/RC)		480			470	10	
227 - Reinforced Concrete Pile	1- Ben.	20	each	18	2	0	0
1130 - Cracking (RC and Other)		2			2		
234 - Reinforced Concrete Pier Cap	1- Ben.	176	ft.	164	12	0	0
1080 - Delamination/Spall/Patched Area		1			1		
1120 - Efflorescence/Rust Staining		8			8		
1130 - Cracking (RC and Other)		3			3		
301 - Pourable Joint Seal	1- Ben.	96	ft.	0	0	24	72
2320 - Seal Adhesion		48				24	24
2330 - Seal Damage		48					48
321 - Reinforced Concrete Approach Slab	1- Ben.	899	sq. ft.	821	1	77	0
1090 - Exposed Rebar		1			1		
1130 - Cracking (RC and Other)		77				77	
331 - Reinforced Concrete Bridge Railing	1- Ben.	350	ft.	350			

Inspector:

Inspection Date:

Structure Number: 05879

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Pictures

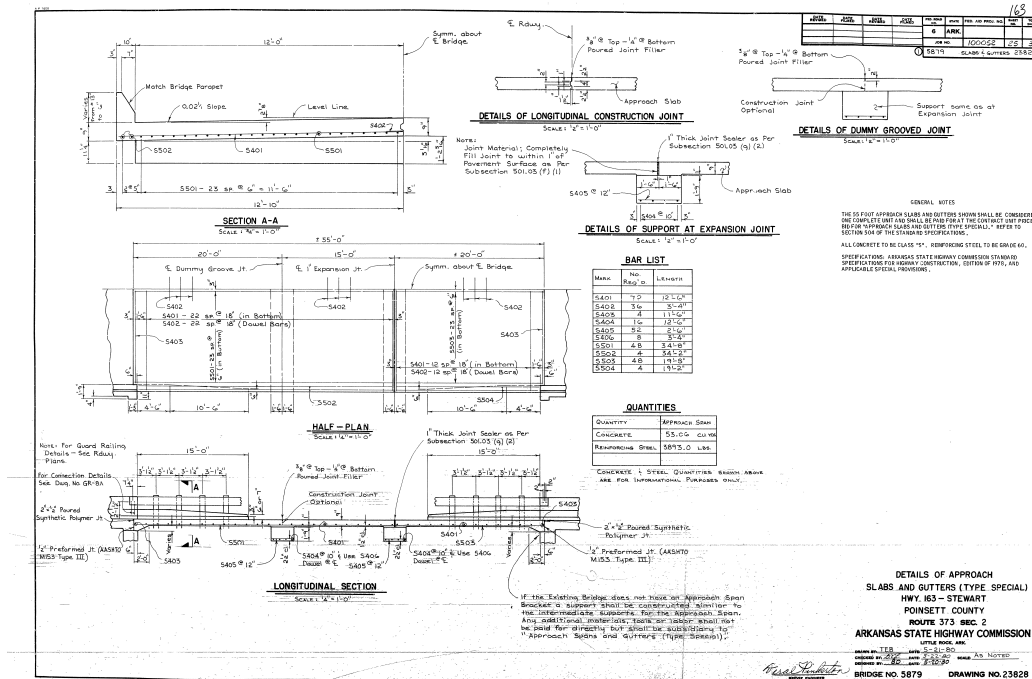


PHOTO 1

Description DRWG23828

PHOTO 1

Description

Inspector:

Inspection Date:

Structure Number: 05879

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Pictures

PHOTO 1

Description channel profile

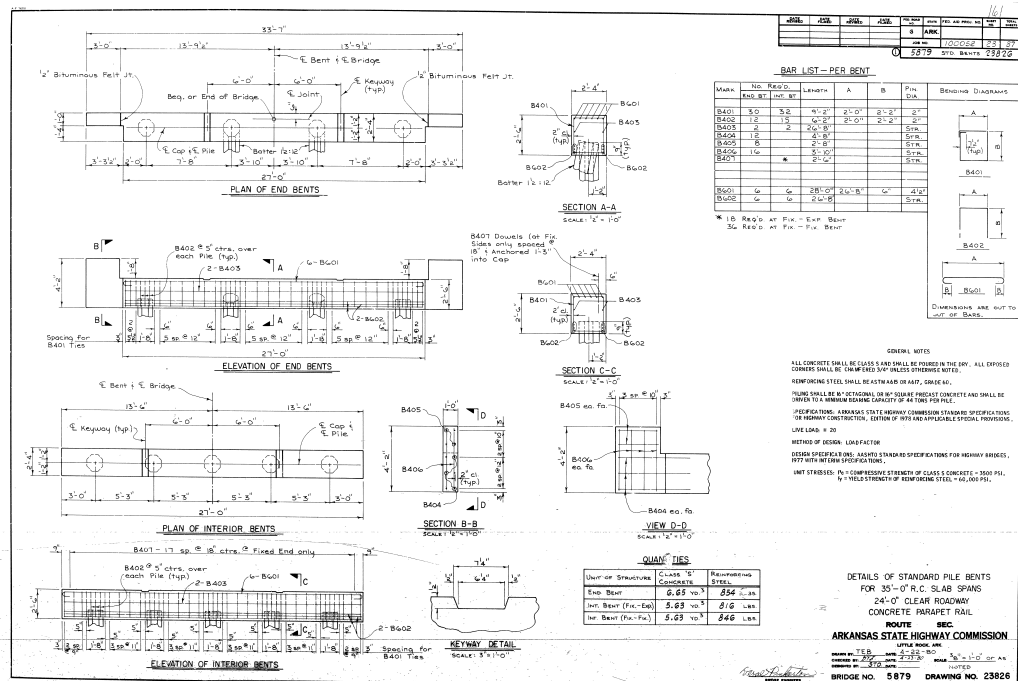


PHOTO 2

Description DRWG23826

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Pictures

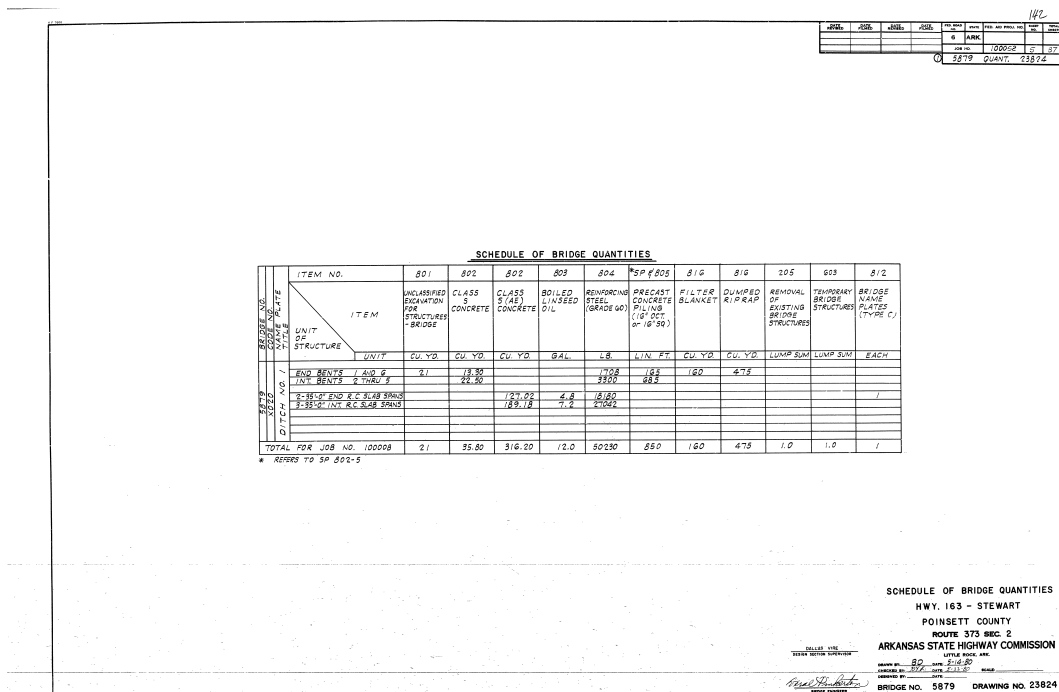


PHOTO 3

Description DRWG23824

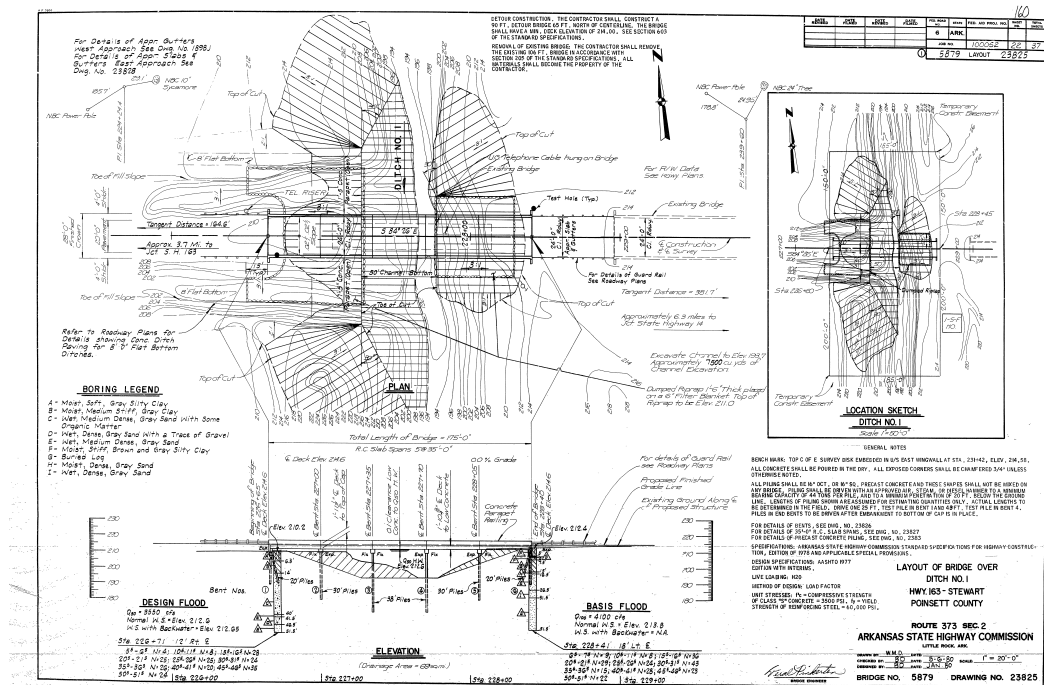


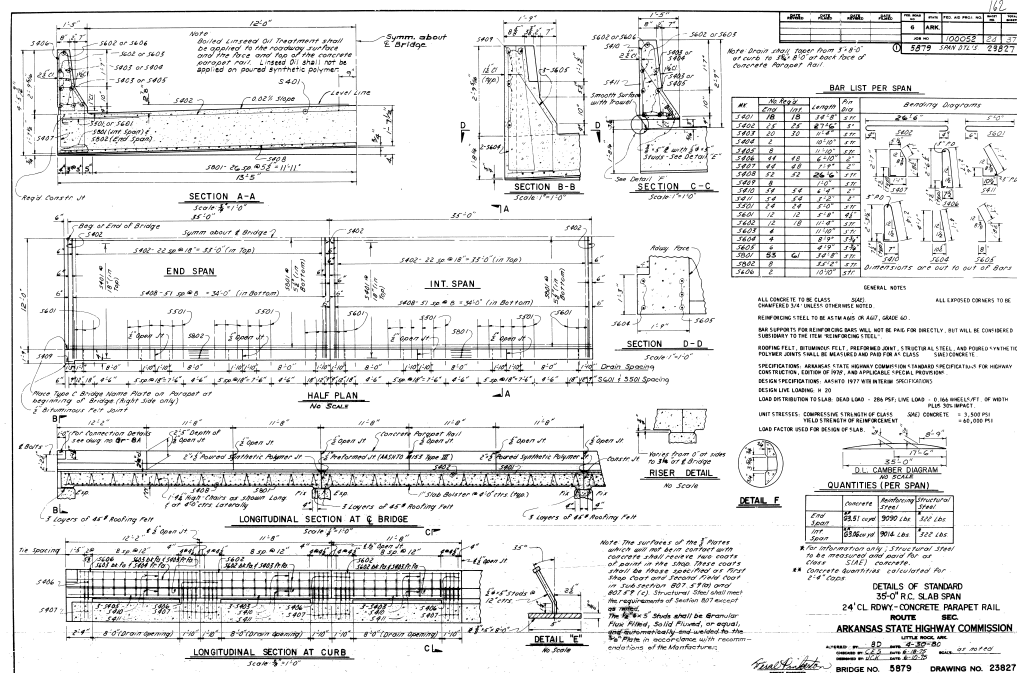
PHOTO 4

Description DRWG23825

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Pictures



Description DRWG23827

Inspector:

Inspection Date:

Structure Number: 05879

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/04/2018

Priority: D - Routine

Work Code:

Deficiency Description:

Top of slab has a few areas of minor abrasion and a few diagonal cracks near bents.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/04/2018

Priority: C - Important

Work Code:

Deficiency Description:

Poured joints are separated and/or missing at all spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor

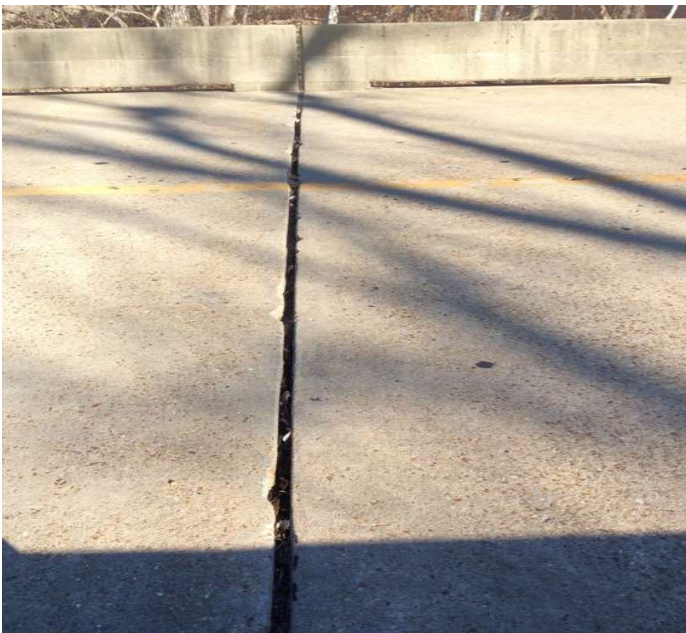


PHOTO 1 Description

Inspector:

Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/04/2018

Priority: C - Important

Work Code:

Deficiency Description:

Approach roadway at bent 1 end of bridge is cracked and has settled 1".

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 05879

Inspection Date:

Facility Carried: SH 373-02- LM 3.64

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/04/2018

Priority: D - Routine

Work Code:

Deficiency Description:

Slab soffit has delaminated areas and/or spalls with rebar exposed along Lt and Rt edges.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description