

Bridge Inspection Report

A2014
SH 463-01- LM 8.08
over
BIG BAY DITCH



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

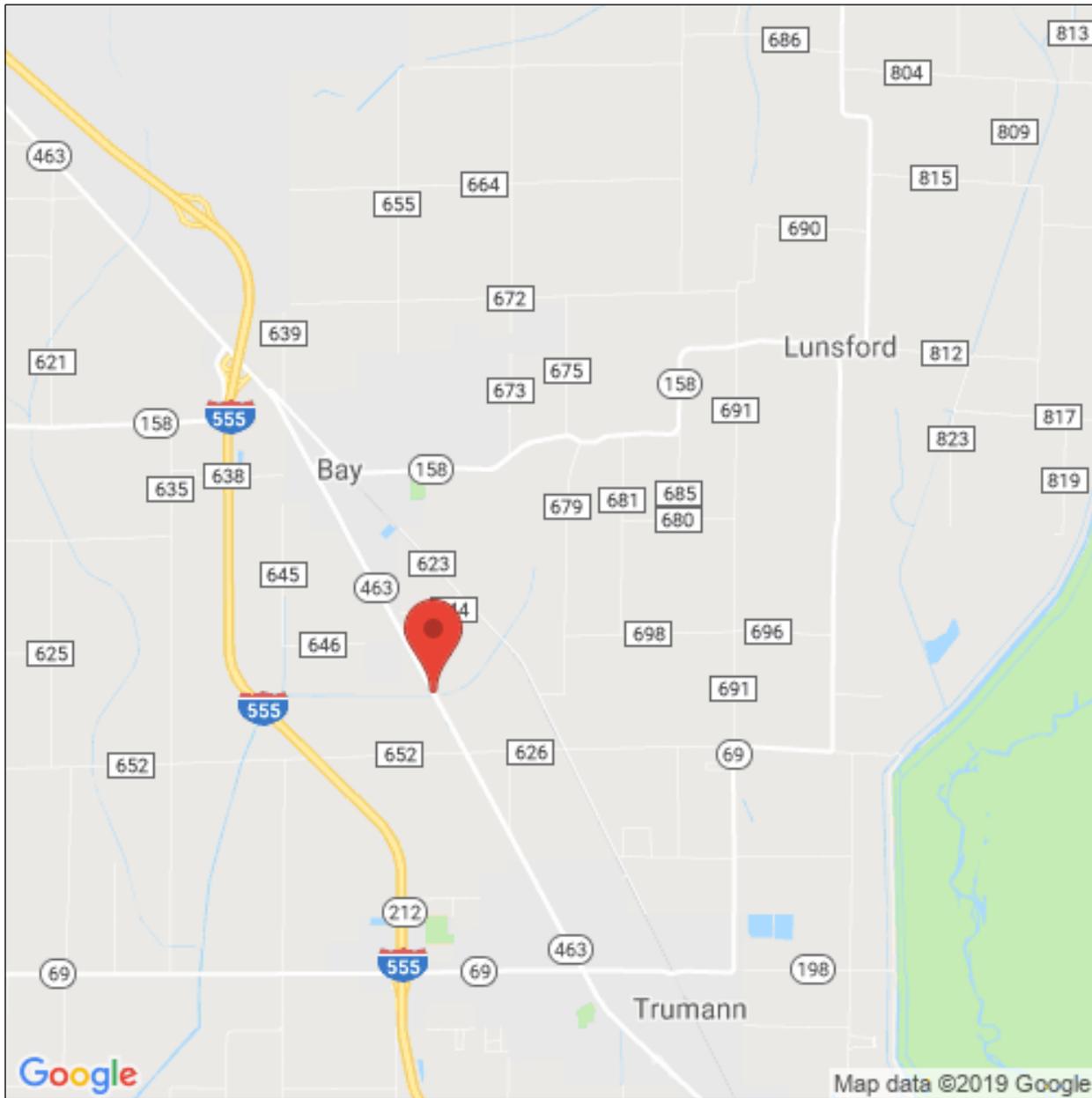
Structure Number: A2014

Inspection Date:

Facility Carried: SH 463-01- LM 8.08

Bridge Inspection Report

Location Map



Latitude: 35.71379

Longitude: -90.54763

Inspector:

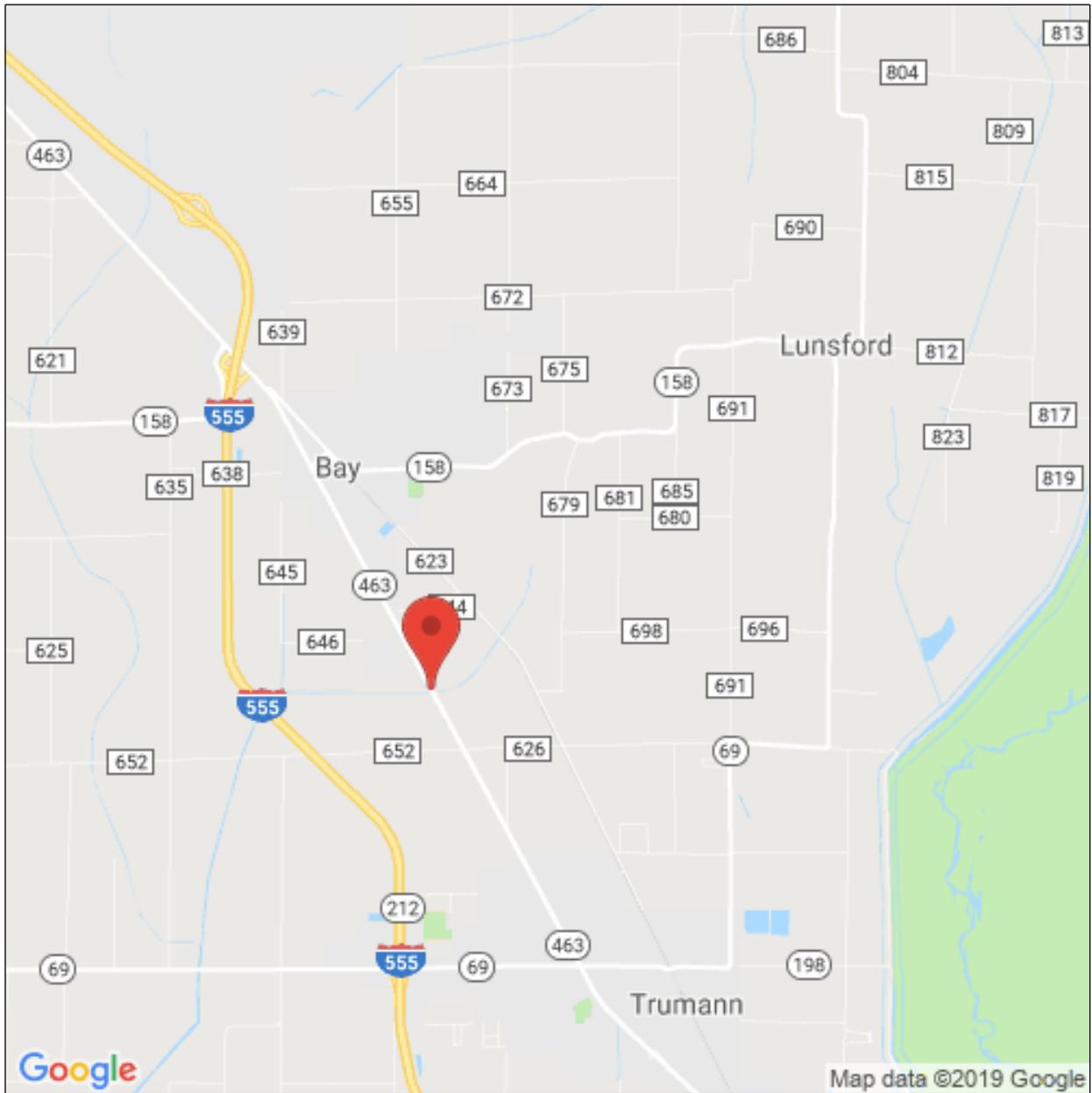
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Location Map



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Inspector:

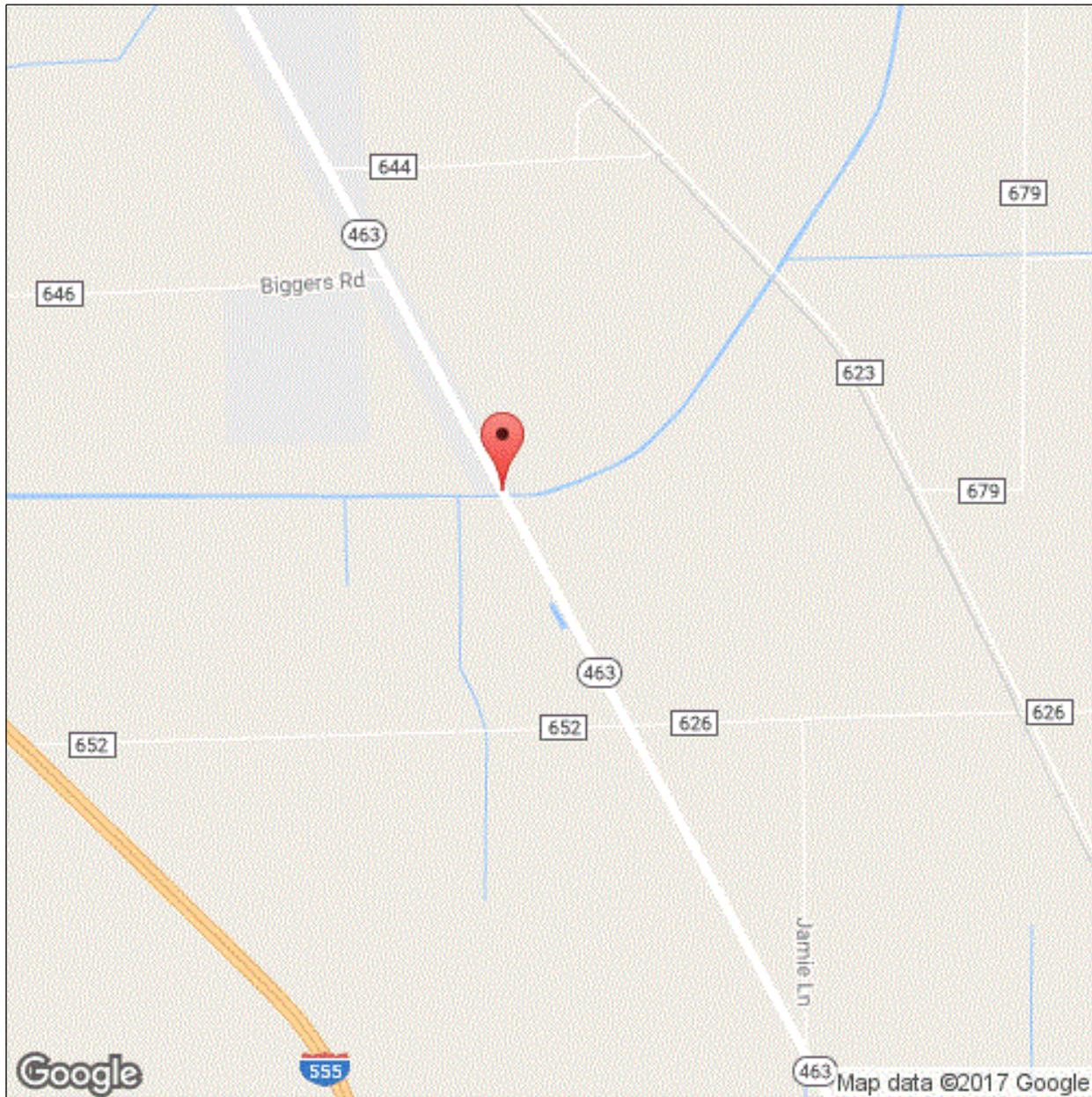
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/03/2019
(8) STRUCTURE NUMBER	A2014	(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 031	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BIG BAY DITCH	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 463-01- LM 8.08	CONDITION	
(9) LOCATION	.59 MI N POINSETT CO LINE	(58) DECK	5
(11) MILEPOINT 8.080	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
(16) LATITUDE 35.71379	(17) LONGITUDE -90.54763	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	4
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
		(64) OPERATING RATING	60
		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
		(66) INVENTORY RATING	36
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
STRUCTURE TYPE AND MATERIAL		APPRAISAL	
(43) STRUCTURE TYPE, MAIN		(67) STRUCTURAL EVALUATION	5
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(68) DECK GEOMETRY	4
B) TYPE OF DESIGN/CONSTR:	04 - Tee Beam	(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	5 (46) NUMBER OF APPROACH	36A) BRIDGE RAILINGS:	0
(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
		(113) SCOUR CRITICAL BRIDGES	5
AGE OF SERVICE		SUFFICIENCY RATING	69.0 STATUS 0
(27) YEAR BUILT	1937 (106) YEAR RECONSTRUCTED		
(28) TYPE OF SERVICE	ON 1 UNDER 5	CLASSIFICATION	
(28) LANES	ON 02 UNDER 00	(112) NBIS BRIDGE LENGTH	Y
(29) AVERAGE DAILY TRAFFIC	3600 (19) BYPASS DETOUR LENGTH	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(100) STRAHNET HIGHWAY DESIGNATION	0
		(101) PARALLEL STRUCTURE DESIGNATION	N
GEOMETRIC DATA		(102) DIRECTION OF TRAFFIC	2
(48) LENGTH OF MAX SPAN (ft.)	30 (49) STRUCTURE LENGTH (ft.)	(103) TEMP STRUCTURE	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.5 RIGHT 1.5	(105) FEDERAL LANDS HIGHWAYS	0
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(110) DESIGNATED NATIONAL NETWORK	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31	(20) TOLL	3
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(21) MAINTENANCE RESPONSIBILITY	01
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(22) OWNER	01
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(37) HISTORICAL	5
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	27.9	NAVIGATION DATA	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(38) NAVIGATION CONTROL	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(111) PIER OR ABUTMENT PROTECTION	5
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(39) NAV VERT CLEARANCE (ft.)	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
PROPOSED IMPROVEMENTS			
(75A) TYPE OF WORK PROPOSED	31 (75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	182.0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	400		
(96) TOTAL PROJECT COST	1130		
(97) YEAR OF IMPROVEMENT COST ESTIMATE	1999		
(114) FUTURE ADT	4965 (115) YEAR OF FUTURE ADT		
	2028		

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Bridge Inspection Report

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.	4716	sq. ft.	4258	154	304	0
1120 - Efflorescence/Rust Staining		304				304	
1130 - Cracking (RC and Other)		154			154		
510 - Wearing Surfaces		4259	sq. ft.	0	218	4041	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		28				28	
3220 - Crack (Wearing Surface)		218			218		
3230 - Effectiveness (Wearing Surface)		4013				4013	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	900	ft.	863	37	0	0
1090 - Exposed Rebar		2			2		
1120 - Efflorescence/Rust Staining		35			35		
215 - Reinforced Concrete Abutment	1- Ben.	83	ft.	73	10	0	0
1120 - Efflorescence/Rust Staining		4			4		
1130 - Cracking (RC and Other)		6			6		
227 - Reinforced Concrete Pile	1- Ben.	24	each	0	24	0	0
1130 - Cracking (RC and Other)		1			1		
1190 - Abrasion/Wear (PSC/RC)		23			23		
234 - Reinforced Concrete Pier Cap	1- Ben.	138	ft.	127	11	0	0
1090 - Exposed Rebar		4			4		
1120 - Efflorescence/Rust Staining		1			1		
1130 - Cracking (RC and Other)		6			6		
304 - Open Expansion Joint	1- Ben.	205	ft.	205			
311 - Movable Bearing	1- Ben.	30	each	0	0	30	0
1000 - Corrosion		30				30	
313 - Fixed Bearing	1- Ben.	30	each	0	0	30	0
1000 - Corrosion		30				30	
330 - Metal Bridge Railing	1- Ben.	305	ft.	0	305	0	0
1000 - Corrosion		305			305		

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Pictures

PHOTO 1
Description

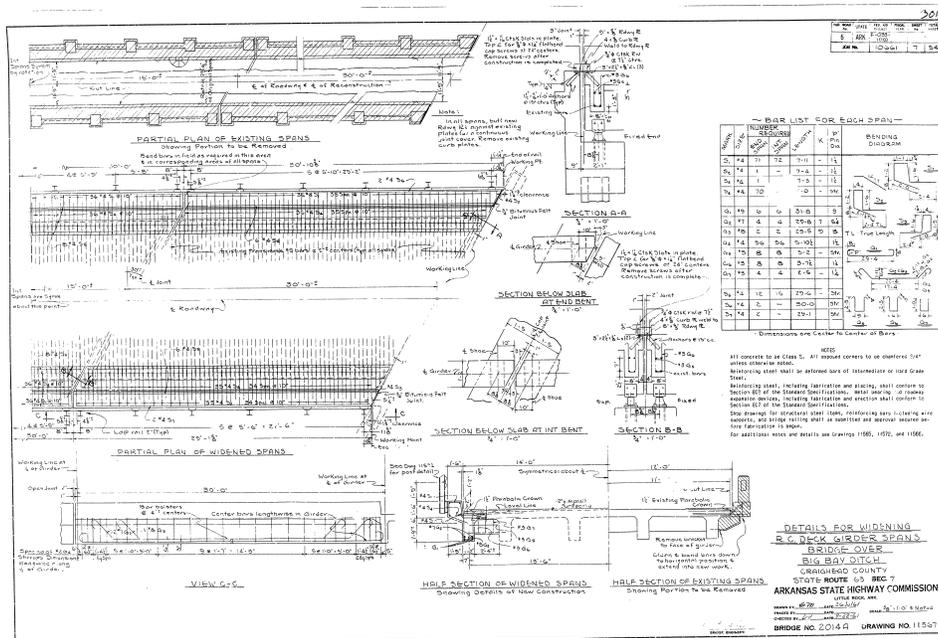


PHOTO 1
Description

Inspector:
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Bridge Inspection Report

Pictures

PHOTO 2
Description

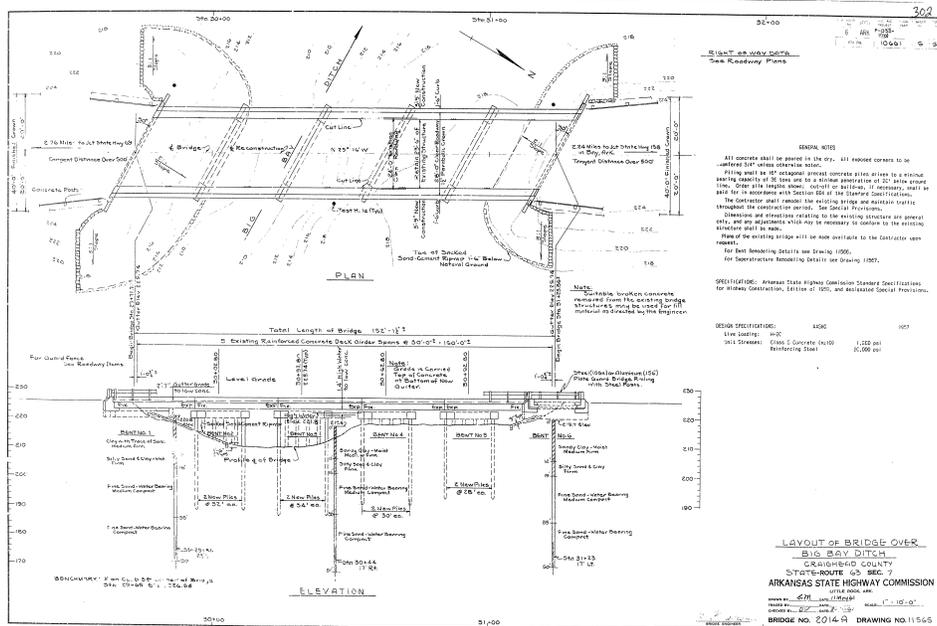


PHOTO 2
Description

Inspector:

Inspection Date:

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Bridge Inspection Report

Sketches

Inspector:

Structure Number: A2014

Inspection Date:

Facility Carried: SH 463-01- LM 8.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/05/2017

Priority: C - Important

Work Code:

Deficiency Description:

End of Girder 6 Span 2 over Bent 2 has deteriorated and shelled out with rebar exposed, see photo 2017.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

Structure Number: A2014

Inspection Date:

Facility Carried: SH 463-01- LM 8.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 1/28/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Rocker Bearings Bents 2,4 & 5 are rusted with some section loss and tilted up to 16 degrees, see photo 2007.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/28/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Majority of Bearings have rust with some section loss due to heavy joint leakage.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/28/2011 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Deck Joints all Bents has joint material deteriorated and loose causing heavy joint leakage.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: A2014

Inspection Date:

Facility Carried: SH 463-01- LM 8.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 1/28/2011 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Asphalt Overlay Top of Deck
has several small depressed areas in Rt wheelpath of SB lane, 1 1/2 in. deep typical, mostly Spans 3 ,4 & 5, possible partial deck failures. Several cracks bottom of deck with efflorescence and some salt cicles.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/23/2013 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Majority of Girders over Bents 2, 4 & 5
are butted together

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/23/2013 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Bents 1 & 6 Abutments
have 2 vertical cracks thru cap under girders 3 & 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 1/15/2015 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Back Wall Bent 6, south west corner of bridge roadway, has a 9in. x 4in. hole from deterioration of Back Wall, see 2015 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: A2014

Inspection Date:

Facility Carried: SH 463-01- LM 8.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/05/2017

Priority: C - Important

Work Code:

Deficiency Description:

Span 2 left lane at bent 3 has a 1 ft. wide x 4 ft. long x 2 in. deep spall with exposed rebar. See photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description