

Bridge Inspection Report

03819
US 64
over
BAYOU DEVIEW RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):





Inspector:

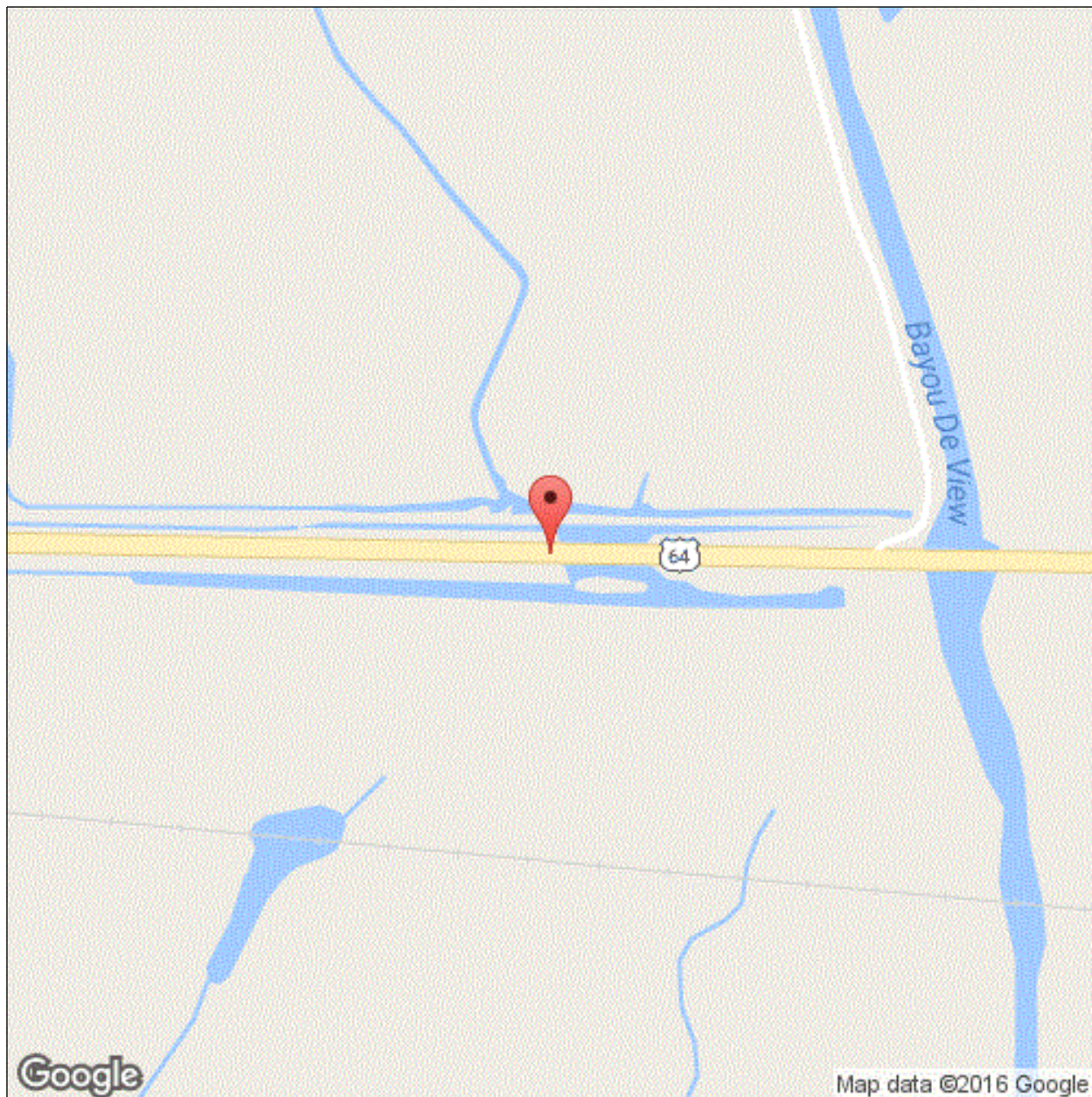
Structure Number: 03819

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Location Map



Latitude: 35.251881

Longitude: -91.115089

Inspector:

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Latitude: 35.251881

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/14/2016
(8) STRUCTURE NUMBER	03819	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 64 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01 (3) COUNTY CODE 147	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BAYOU DEVIEU RELIEF	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64	CONDITION	
(9) LOCATION	0.96 M W OF JCT SH 269	(58) DECK	5
(11) MILEPOINT 7.070	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000064140 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(16) LATITUDE 35.251881	(17) LONGITUDE -91.115089	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	01 - Slab	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	5
(45) NUMBER OF SPANS IN MAIN	11 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	8
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1966 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 5	36A) BRIDGE RAILINGS:	0
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	3800 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36D) APPROACH GUARDRAIL ENDS:	1
(109) AVERAGE DAILY TRUCK TRAFFIC	23	(113) SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA		SUFFICIENCY RATING	0 STATUS 66.3
(48) LENGTH OF MAX SPAN (ft.)	30 (49) STRUCTURE LENGTH (ft.)	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.3 RIGHT 1.3	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	34	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.2	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	4333 (115) YEAR OF FUTURE ADT	(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
38 - Reinforced Concrete Slab	1- Ben.	10230	sq. ft.	9876	10	344	0
	ABUTMENT #1 RIGHT END POST BROKEN AT BASE AREAS AROUND THE DRAINS ARE DELAMINATED WITH AREAS OF SPALLING WITH EXPOSED REBAR AND RUST STAINS. LONGITUDINAL CRACKS WITH RUST STAINS. SPANS #3 AND #4 RIGHT CURB SCALED WITH EXPOSED REBAR. ASPHALT OVERLAY HAS 4 LONGITUDIONAL CRACKS FULL LENGTH AND TRANSVERSE CRACKS AT JOINTS. SPAN #5 SOFFIT HAS 2 S.F. DELAMINATION						
1080 - Delamination/Spall/Patched Area		10			10		
1090 - Exposed Rebar		14				14	
1120 - Efflorescence/Rust Staining		330				330	
510 - Wearing Surfaces		9240	sq. ft.	7564	1676	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		20			20		
3220 - Crack (Wearing Surface)		1656			1656		
215 - Reinforced Concrete Abutment	1- Ben.	75	ft.	73	2	0	0
	ABUTMENT #1 LEFT SIDE HAS A SPALL 2' X 2' ON BACK WALL WITH NO REBAR EXPOSED						
1080 - Delamination/Spall/Patched Area		2			2		
227 - Reinforced Concrete Pile	1- Ben.	50	each	43	0	7	0
	LARGE SPALL TO PILE #4 AT BENT #3. BENT #3 PILES #1,4,5 HAVE AREAS OF SCALING AND BENT #4 PILES #3,4,5 HAVE AREAS OF SCALING.						
1080 - Delamination/Spall/Patched Area		1				1	
1190 - Abrasion/Wear (PSC/RC)		6				6	
234 - Reinforced Concrete Pier Cap	1- Ben.	310	ft.	290	0	20	0
	CAPS AT BENTS #3,4,6,7,8, 9,10,11 ALL HAVE SPALLS ON THE BACK FACE WITH EXPOSED REBAR. AVERAGE LENGTH OF SPALL IS 2'+-. CAP AT BENT #2 LEFT SIDE AHEAD FACE HAS LARGE SPALL 3' X 3' WITH EXPOSED REBAR. BENT #11 CAP HAS DELAMINATION TO BACK FACE RIGHT CORNER.						
1080 - Delamination/Spall/Patched Area		1				1	
1090 - Exposed Rebar		19				19	
330 - Metal Bridge Railing	1- Ben.	660	ft.	0	660	0	0
	RAILS RUSTED FULL LENGTH						
1000 - Corrosion		660			660		
515 - Steel Protective Coating		1980	sq. ft.	0	0	1980	0
3440 - Effectiveness (Steel Protective Coatings)		1980				1980	

Agency Inventory

Structural

BRIDGE GROUP

WEARING SURFACE THICKNESS IN

WEATHERING STEEL No

PIN / HANGER No

STAY IN PLACE FORMS No

STEEL TONS Tons(41) STRUCTURE
OPEN/POSTED/CLOSED A**Location**ROAD / ROUTE NAME SECTION ZONE **Seismic**

SEISMIC

SEISMIC YEAR / ZONE **Notification**SCHOOL DISTRICT EMAIL OWNER EMAIL

LATE REASON

Load Po**Calculated**

CODE 4 VEHICLE (22 tons)

CODE 9 VEHICLE (31 tons)

CODE 5 VEHICLE (40 tons)

Posted

Bridge Beginning

CODE 4 TonsCODE 9 TonsCODE 5 Tons**Stip**

APHN

STIP

JOB NUMBER

PROG. JOB NUMBER

OLD BRIDGE NUMBER

NEW BRIDGE NUMBER

BRIDGE CONDITION INDEX

Notes

DRAWING NUMBERS-12700,12702,5421A,B

Inspector:

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Structure Number: 03819

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 9/24/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CAPS

BENTS # 2,4,6,7,8,9,10,11

SPALLS TO FACE OF CAPS WITH EXPOSED REBAR

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Inspection Date:

Structure Number: 03819

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Stage: Monitor

Stage: Monitor



PHOTO 5 Description

Stage: Monitor



PHOTO 4 Description



PHOTO 6 Description

Inspector:

Structure Number: 03819

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Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 9/24/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:
SOFFIT

ALL SPANS

AREA AROUND DRAINS HAVE SPALLED WITH EXPOSED REBAR

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Inspection Date:

Structure Number: 03819

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Stage: Monitor



PHOTO 4 Description

Stage: Monitor



PHOTO 5 Description

Stage: Monitor



PHOTO 6 Description

Inspector:

Inspection Date:

Structure Number: 03819

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 7 Description

Stage: Monitor



PHOTO 8 Description

Stage: Monitor



PHOTO 9 Description

Stage: Monitor



PHOTO 10 Description

Inspector:

Inspection Date:

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Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 11 Description

Stage: Monitor



PHOTO 12 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 9/24/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

END POSTS

ABUTMENT #1 RIGHT ABUTMENT #2 LEFT

POSTS BROKEN AT BASE

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Structure Number: 03819

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Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 9/24/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

APPROACH RAIL

ABUTMENT #2 BOTH SIDES

BOTH TURN DOWNS DAMAGED BY COLLISION

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Structure Number: 03819

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 9/25/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CURB

SPANS #3 AND #4 RIGHT SIDE

CURBS HEAVILY SCALED WITH EXPOSED REBAR.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description