

Bridge Inspection Report

02549
US 82 SEC.01 -7.37
over
MILL CREEK



Inspection Date:

Inspected By:



Inspection Type(s):

Inspector:

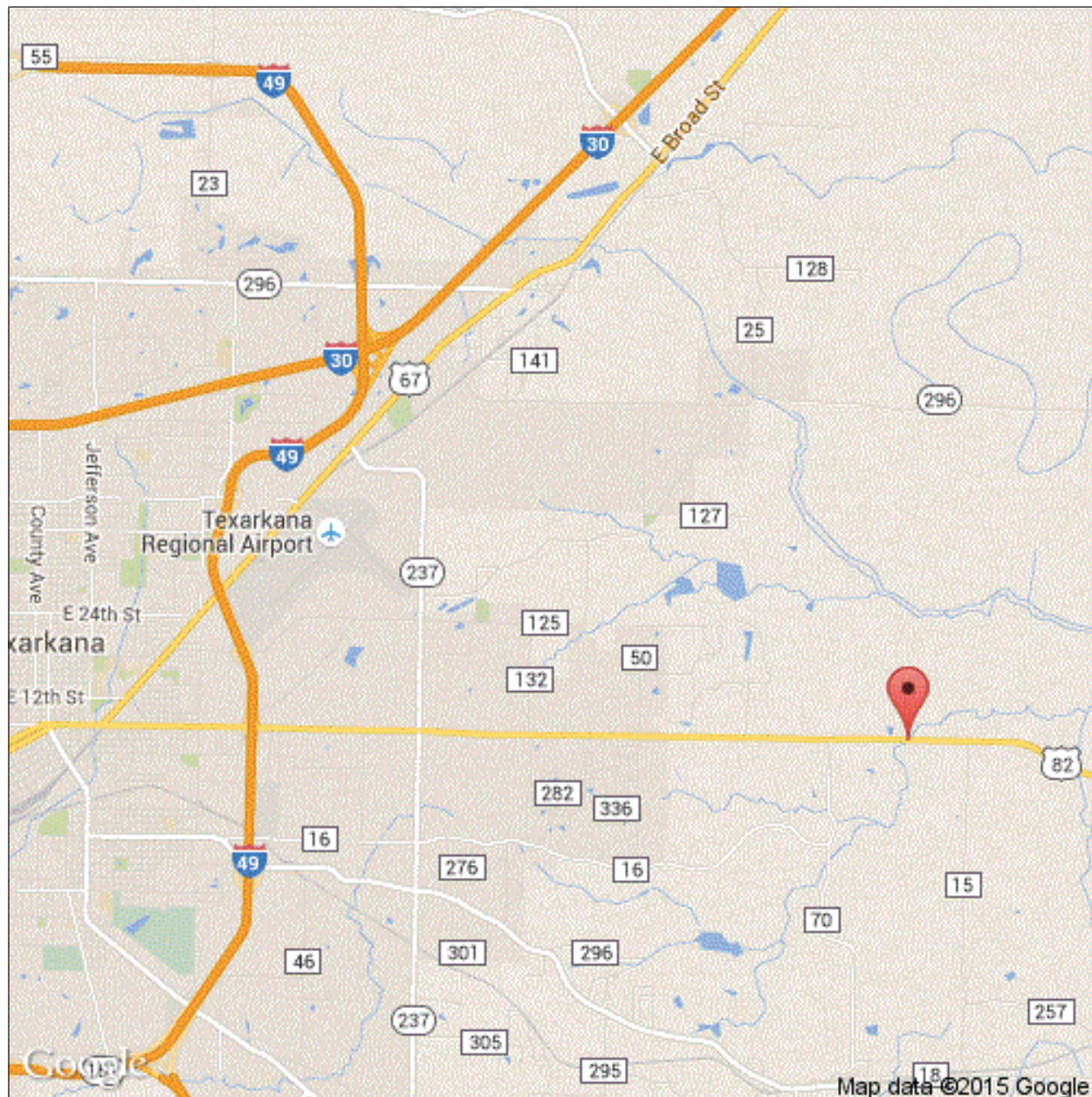
Structure Number: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Location Map



Latitude: 33.428959

Longitude: -93.900558

Inspector:

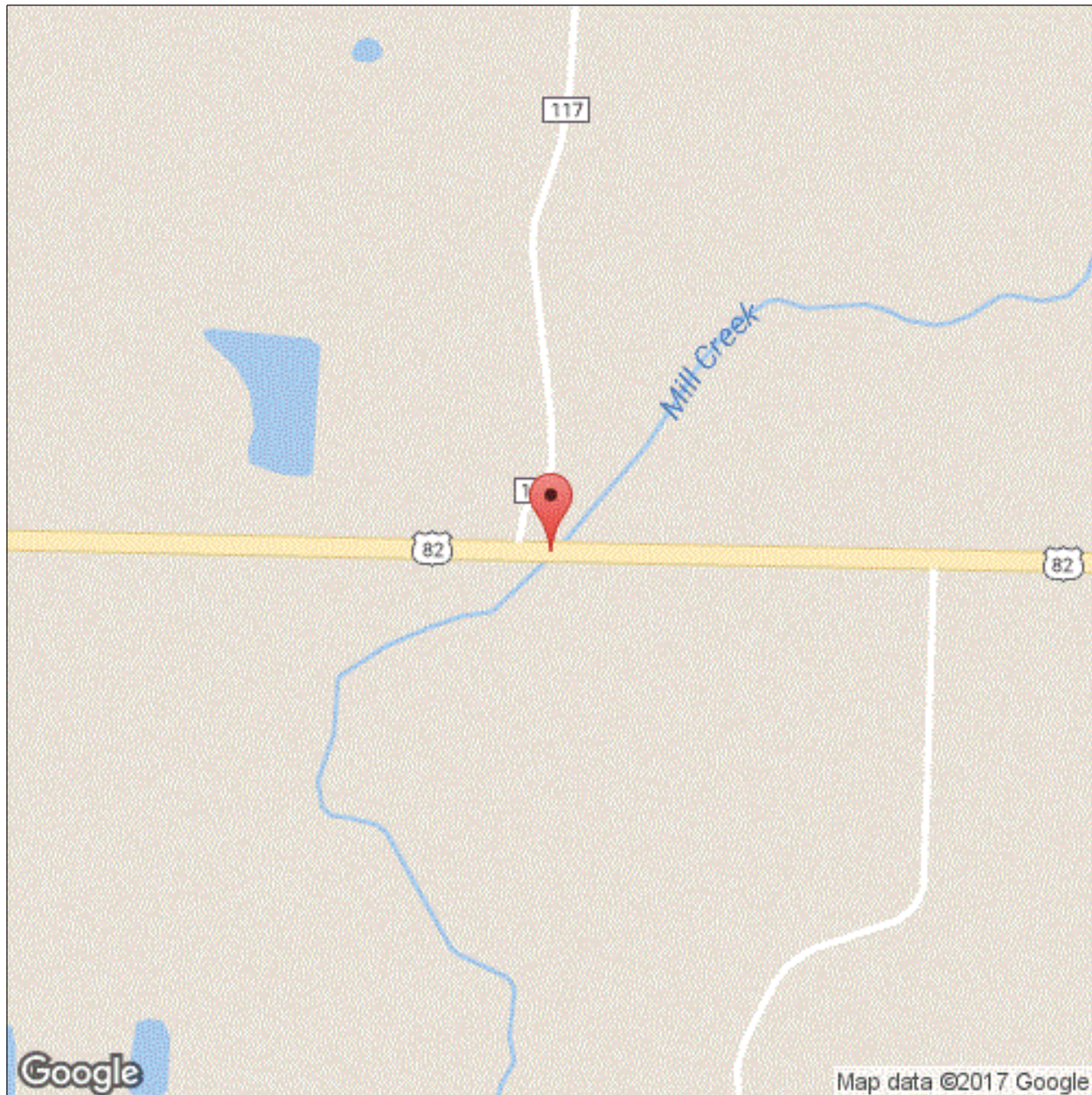
Structure Number: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Location Map



Latitude: 33.428959

Longitude: -93.900558

Inspector:

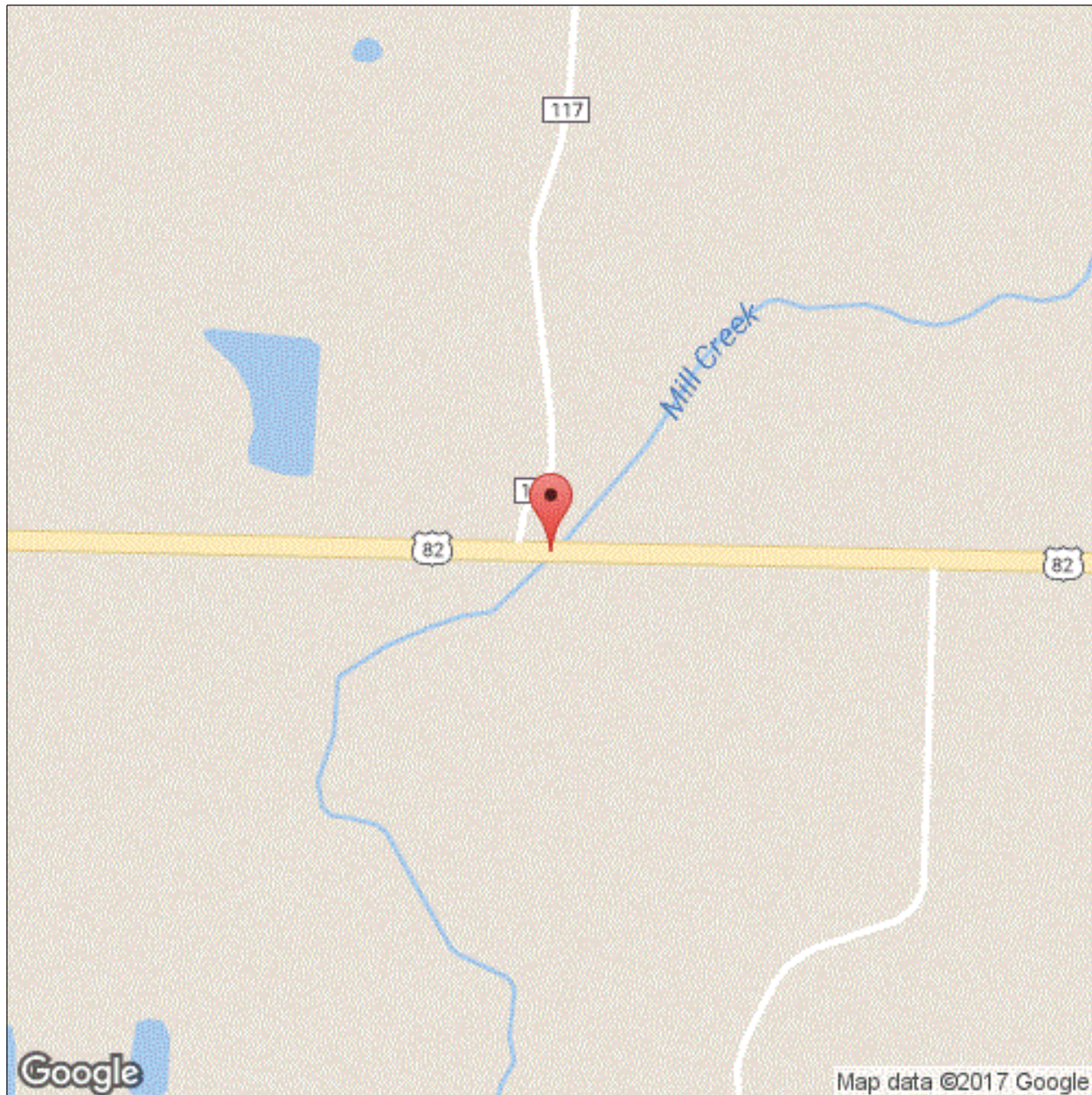
Inspection Date:

Structure Number: 02549

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Location Map



Latitude: 33.428959

Longitude: -93.900558

Inspector:

Structure Number: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/03/2017
(8) STRUCTURE NUMBER	02549	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 82 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 091	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	MILL CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 82 SEC.01 -7.37		
(9) LOCATION	4.5 MI E JCT OF SH 237		
(11) MILEPOINT 7.370	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE 00	(13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.428959	(17) LONGITUDE -93.900558		
(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: 3 - Steel		(59) SUPERSTRUCTURE 5	(60) SUBSTRUCTURE 7
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 4	(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 1948	(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	52
(29) AVERAGE DAILY TRAFFIC 3800	(19) BYPASS DETOUR LENGTH 36	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	31
(109) AVERAGE DAILY TRUCK TRAFFIC 23		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 30	(49) STRUCTURE LENGTH (ft.) 123	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 2 RIGHT 2		(68) DECK GEOMETRY	3
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	25.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31.7	(71) WATERWAY ADEQUACY	6
(32) APPROACH ROADWAY WIDTH (ft.)	38.1	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 30	(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.)	29.2	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	7
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	2 STATUS 52.0
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.)	151.0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	400	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	1021	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 4772	(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	1
		(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: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	3899	sq. ft.	3092	807	0	0
	Rebar exposed RT side span 3.. cracks sealed in past....						
1080 - Delamination/Spall/Patched Area		4			4		
1090 - Exposed Rebar		3			3		
1130 - Cracking (RC and Other)		800			800		
107 - Steel Open Girder/Beam	1- Ben.	600	ft.	600			
515 - Steel Protective Coating		4206	sq. ft.	3206	1000	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		1000			1000		
215 - Reinforced Concrete Abutment	1- Ben.	92	ft.	92			
227 - Reinforced Concrete Pile	1- Ben.	15	each	15			
234 - Reinforced Concrete Pier Cap	1- Ben.	153	ft.	153			
303 - Assembly Joint with Seal	1- Ben.	170	ft.	170			
311 - Movable Bearing	1- Ben.	20	each	0	0	20	0
	Span 1 beam 2 bearing shows some vertical movement 1/8" under heavy truck traffic. Sole plate are showing signs of wearing on rocker bearings typical all.. some bearing have heavy pack rust and anchor bolt are rusted into.....						
1000 - Corrosion		20				20	
313 - Fixed Bearing	1- Ben.	20	each	0	0	20	0
	Span 1 beam 2 bearing shows some vertical movement 1/8" under heavy truck traffic. Sole plate are showing signs of wearing on rocker bearings typical all.. some bearing have heavy pack rust and anchor bolt are rusted into.....						
1000 - Corrosion		20				20	
331 - Reinforced Concrete Bridge Railing	1- Ben.	245	ft.	245			

Inspector:

Structure Number: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Maintenance Needs

Date Reported: 08/03/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Trees growing end of bridge right and left side need to be cut back.

Work Description:

Date Repairs Completed:

Maintenance Comments:

AMS will handle

Stage: Open



PHOTO 1 Description Trees growing end of bridge right and left side need to be cut back.

Inspector:

Structure Number: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Maintenance Needs

Date Reported: 08/03/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Bottom of deck span 3 right side spall with rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bottom of deck span 3 right side spall with rebar exposed.

Inspector:

Structure Number: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Maintenance Needs

Date Reported: 08/03/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Span 1 beam 2 bearing shows some vertical movement 1/8" under heavy truck traffic. Sole plate are showing signs of wearing on rocker bearings typical all.. some bearing have heavy pack rust and anchor bolt are rusted

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Span 1 beam 2 bearing shows some vertical movement 1/8" under heavy truck traffic. Sole plate are showing signs of wearing on rocker bearings typical all.. some bearing have heavy pack rust and anchor bolt are rusted into.....

Stage: Open



PHOTO 2 Description Abutment 1

Inspector:

Inspection Date:

Structure Number: 02549

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Maintenance Needs

Stage: Open



PHOTO 3 Description

Stage: Open



PHOTO 4 Description Abutment 2 beam 3 pack rust on bearings.

Inspector:

Structure Number: 02549

Inspection Date:

Facility Carried: US 82 SEC.01 -7.37

Bridge Inspection Report

Maintenance Needs

Date Reported: 08/03/2017

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Left side top wing wall cracked and spalled beginning bridge.....

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Left side top wing wall cracked and spalled beginning bridge.....