

Bridge Inspection Report

05898

US 82-District 2

over

OUACHITA RIVER



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

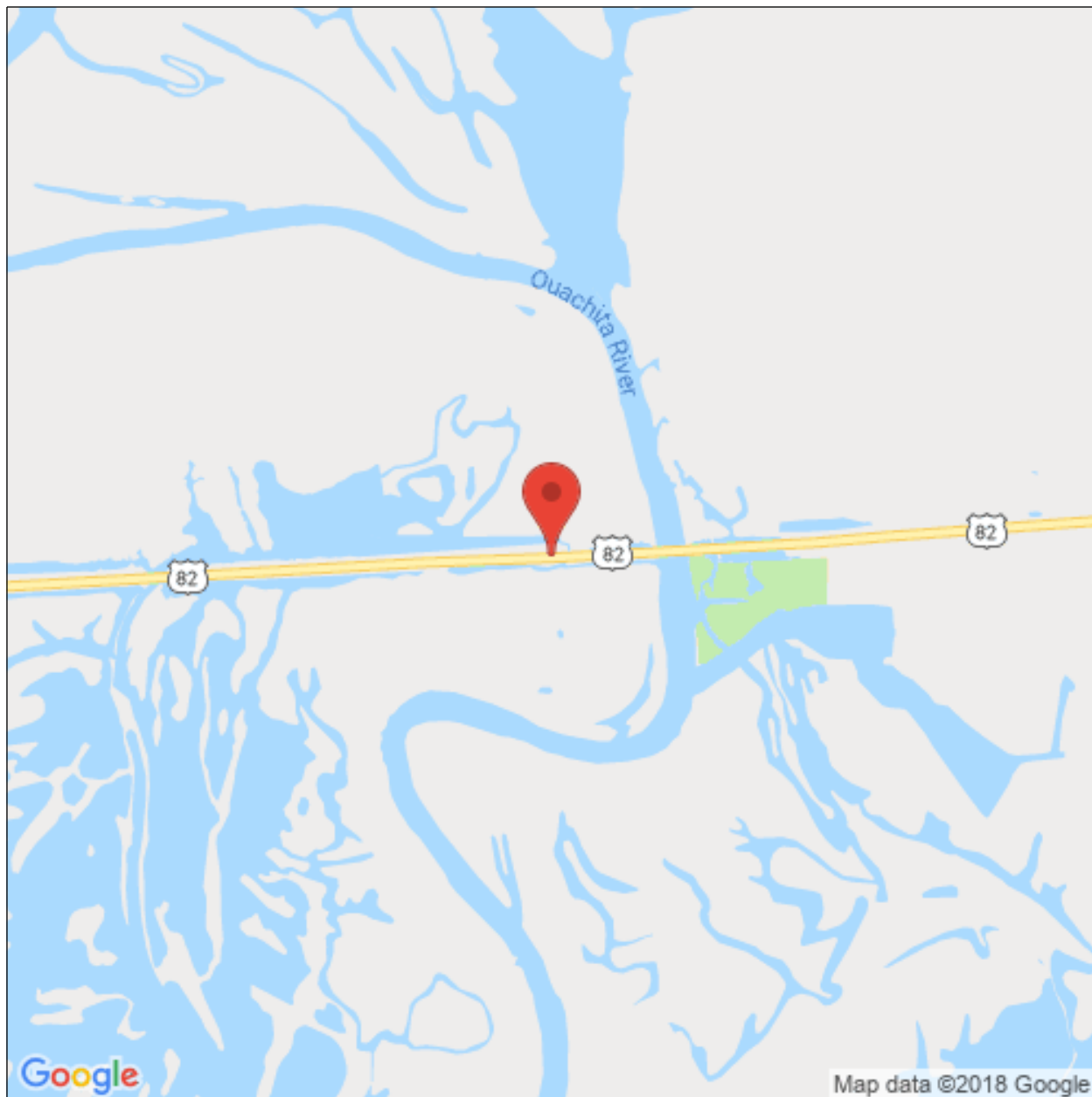
Structure Number: 05898

Inspection Date:

Facility Carried: US 82-District 2

Bridge Inspection Report

Location Map



Latitude: 33.15038216552317

Longitude: -92.11331890741985

Inspector:

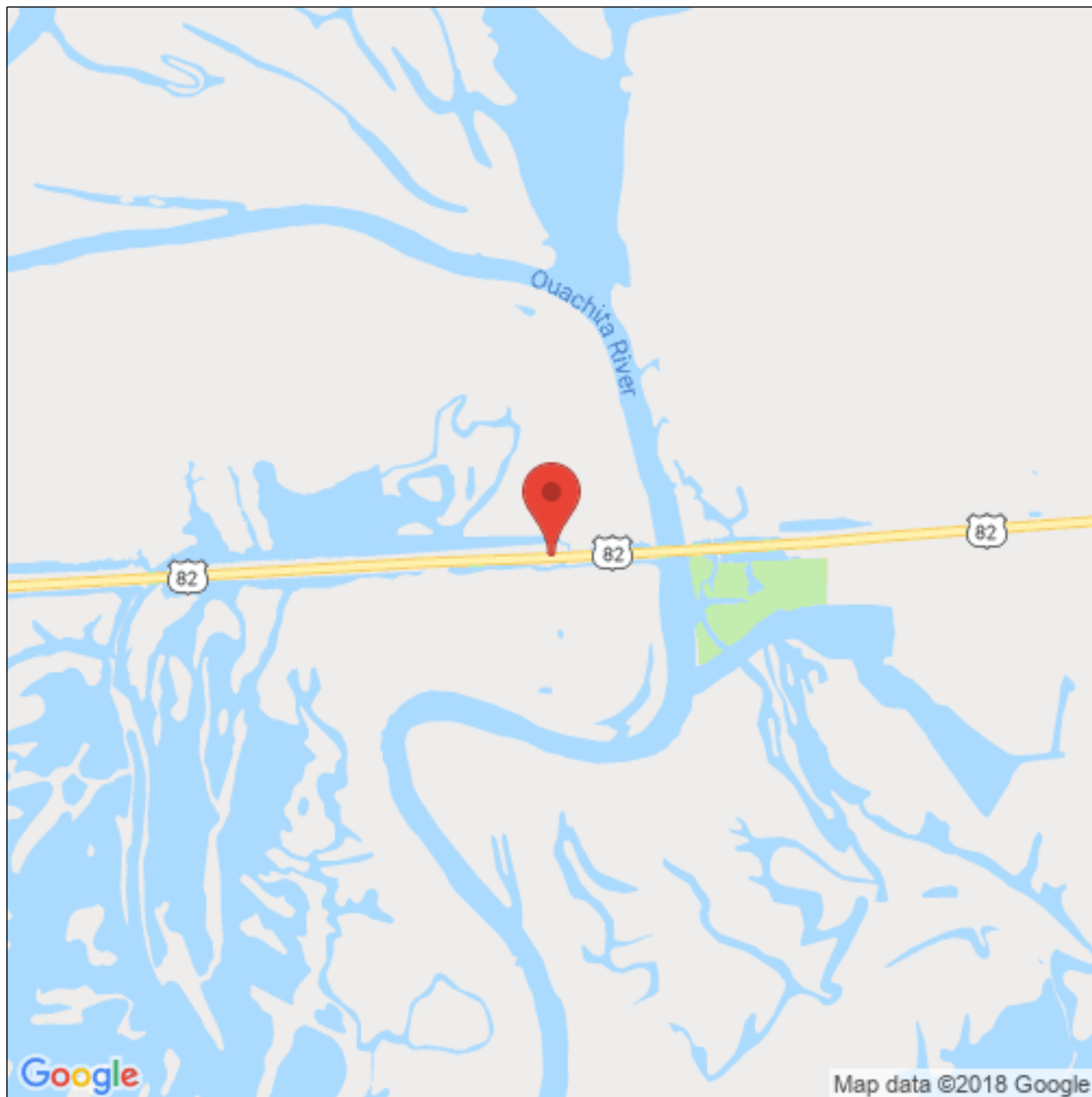
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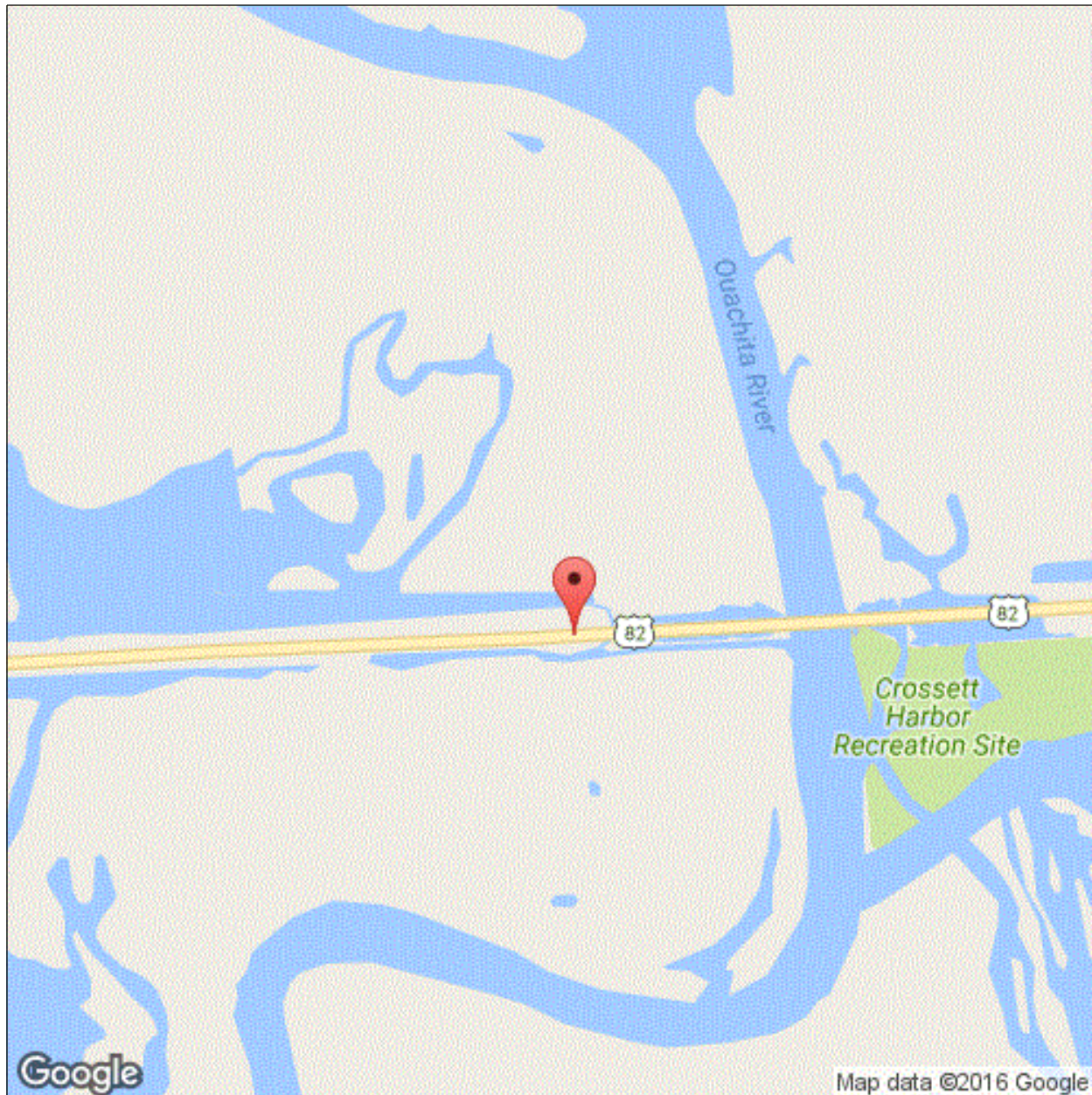
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Executive Summary

Aspen 9233 is used for this inspection, Call Hamburg office for flaggers 870-853-8339. For underwater type 2 there is a boat ramp just southeast of bridge.

Lane closure information is located under other tab in the asset.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/04/2018
(8) STRUCTURE NUMBER	05898	(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	02 (3) COUNTY CODE 003	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	OUACHITA RIVER	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 82-District 2		
(9) LOCATION	9.1 MI W SH 133		
(11) MILEPOINT 0.001	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000082080 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.	(17) LONGITUDE -92.11331890741985		
(98A) BORDER BRIDGE CODE	15038216552317		
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(59) SUPERSTRUCTURE	6 (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: 6 - Prestressed concrete continuous			
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder			
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 22		
(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 1986	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(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 2800	(19) BYPASS DETOUR LENGTH 72	(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.) 305	(49) STRUCTURE LENGTH (ft.) 2895	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0	RIGHT 0	(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	44.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	46.9	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(72) APPROACH ROADWAY ALIGNMENT	9
(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.)	45.6	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	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	83.6 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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(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 3158	(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	1
		(111) PIER OR ABUTMENT PROTECTION	5
		(39) NAV VERT CLEARANCE (ft.)	73.8
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	295.9

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Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	136065	sq. ft.	129412	6355	298	0
1080 - Delamination/Spall/Patched Area		15		0	15	0	0
1120 - Efflorescence/Rust Staining		412		0	402	10	0
1130 - Cracking (RC and Other)		6216		0	5928	288	0
1190 - Abrasion/Wear (PSC/RC)		10		0	10	0	0
107 - Steel Open Girder/Beam	1- Ben.	4650	ft.	4640	0	10	0
1000 - Corrosion		10		0	0	10	0
515 - Steel Protective Coating		38856	sq. ft.	38856	0	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		0		0	0	0	0
109 - Prestressed Concrete Open Girder/Beam	1- Ben.	14826	ft.	14772	53	0	1
1080 - Delamination/Spall/Patched Area		5		0	5	0	0
1110 - Cracking (PSC)		47		0	46	0	1
1120 - Efflorescence/Rust Staining		2		0	2	0	0
210 - Reinforced Concrete Pier Wall	1- Ben.	292	ft.	281	6	5	0
1080 - Delamination/Spall/Patched Area		2		0	2	0	0
1090 - Exposed Rebar		4		0	2	2	0
1130 - Cracking (RC and Other)		4		0	2	2	0
4000 - Settlement		1		0	0	1	0
215 - Reinforced Concrete Abutment	1- Ben.	136	ft.	86	39	11	0
1080 - Delamination/Spall/Patched Area		11		0	0	11	0
1120 - Efflorescence/Rust Staining		6		0	6	0	0
1130 - Cracking (RC and Other)		8		0	8	0	0
1190 - Abrasion/Wear (PSC/RC)		12		0	12	0	0
6000 - Scour		13		0	13	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	1056	ft.	874	176	6	0
1080 - Delamination/Spall/Patched Area		5		0	5	0	0
1090 - Exposed Rebar		9		0	8	1	0
1120 - Efflorescence/Rust Staining		45		0	45	0	0
1130 - Cracking (RC and Other)		123		0	118	5	0
303 - Assembly Joint with Seal	1- Ben.	264	ft.	210	10	44	0
2350 - Debris Impaction		54		0	10	44	0
310 - Elastomeric Bearing	1- Ben.	332	each	326	6	0	0
2210 - Movement		0		0	0	0	0
2230 - Bulging, Splitting, or Tearing		1		0	1	0	0
2240 - Loss Bearing Area		5		0	5	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	3080	sq. ft.	3080	0	0	0
521 - Concrete Protective Coating		3080	sq. ft.	2180	900	0	0
3540 - Effectiveness (Concrete Protective Coatings)		900		0	900	0	0

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331 - Reinforced Concrete Bridge Railing	1- Ben.	5790	ft.	4100	926	764	0
1080 - Delamination/Spall/Patched Area		3		0	2	1	0
1090 - Exposed Rebar		763		0	0	763	0
1130 - Cracking (RC and Other)		924		0	924	0	0

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Element Inspection

Main Steel Plate Girder Unit

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	36425	sq. ft.	32943	3194	288	0
	<p>9/04/2018 - RWF & APW - Deck has sealable cracking in all spans. Sealed crack repairs are starting to deteriorate and there are numerous areas of efflorescence in the overhangs and adjacent to the joints.</p> <p>Deck has sealable cracks at 2' spacing cracks has been sealed in the past repairs appear to be holding at this inspection.</p>						
1130 - Cracking (RC and Other)		3472		0	3184	288	0
1190 - Abrasion/Wear (PSC/RC)		10		0	10	0	0
107 - Steel Open Girder/Beam	1- Ben.	4650	ft.	4640	0	10	0
	<p>9/04/2018 - RWF & APW - Span 12 Girder 1 has active corrosion, minor section with flaking rust and abnormal weathering for apparent joint leakage.</p> <p>Steel open girder is A-588 weathering steel no apparent noteworthy deficiency's at this inspection.</p>						
1000 - Corrosion		10		0	0	10	0
515 - Steel Protective Coating		38856	sq. ft.	38856	0	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		0		0	0	0	0
210 - Reinforced Concrete Pier Wall	1- Ben.	52	ft.	48	2	2	0
	<p>9/04/2018 - RWF & APW - Piers have sealable large vertical cracking at the water elevation and light map cracking typical.</p> <p>Per 13 and 14 has cracking at water elevation that range up to 1/4" in width and 15' in length. there is hairline cracking also through out.</p>						
1130 - Cracking (RC and Other)		4		0	2	2	0
234 - Reinforced Concrete Pier Cap	1- Ben.	176	ft.	121	55	0	0
	<p>9/04/2018 - RWF & APW - All caps have light/medium map cracking with efflorescence typical.</p> <p>Hairline cracking on face of cap typical.</p>						
1080 - Delamination/Spall/Patched Area		2		0	2	0	0
1120 - Efflorescence/Rust Staining		14		0	14	0	0
1130 - Cracking (RC and Other)		39		0	39	0	0
303 - Assembly Joint with Seal	1- Ben.	88	ft.	44	0	44	0
	<p>9/04/2018 - RWF & APW - Assembly joints have large deposits of dirt and debris promoting corrosion but appear to be functioning as intended at this inspection.</p> <p>Joint has dirt and debris partially the first 4' of the ends joint appear to be functioning as intended.</p>						
2350 - Debris Impaction		44		0	0	44	0

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310 - Elastomeric Bearing	1- Ben.	38	each	38	0	0	0
9/04/2018 - RWF & APW - No apparent noteworthy deficiencies at this inspection.							
331 - Reinforced Concrete Bridge Railing	1- Ben.	1550	ft.	836	502	212	0
9/04/2018 - RWF & APW - Bridge railing has numerous spalls with exposed reinforcing steel from shallow cover. Vertical cracking typical throughout with isolated areas of minor collision damage.							
Minor hairline cracking in bridge railing at this inspection.							
1080 - Delamination/Spall/Patched Area		2		0	2	0	0
1090 - Exposed Rebar		212		0	0	212	0
1130 - Cracking (RC and Other)		500		0	500	0	0

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Element Inspection

Prestressed Concrete Approach's

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	99640	sq. ft.	96469	3161	10	0
<p>9/04/2018 - RWF & APW - Deck has sealable cracking in all spans. Sealed crack repairs are starting to deteriorate and there are numerous areas of efflorescence in the overhangs and adjacent to the joints. Minor spalling at the sliding plates typical.</p> <p>Deck has sealable cracks at 2' spacing cracks has been sealed in the past repairs appear to be holding at this inspection. bent 7 and bent 19 there are spalls adjacent to sliding plates no reinforcing steel apparent at this inspection.</p>							
1080 - Delamination/Spall/Patched Area		15		0	15	0	0
1120 - Efflorescence/Rust Staining		412		0	402	10	0
1130 - Cracking (RC and Other)		2744		0	2744	0	0
109 - Prestressed Concrete Open Girder/Beam	1- Ben.	14826	ft.	14772	53	0	1
<p>9/04/2018 - RWF & APW - All girders has hairline cracking in the web where they were made continuous. There is one 12" crack located at bent 7 girder 3 where anchorage system was placed.</p> <p>Span 6 @Bent 6 Girder 5,6,7 Bearing pads working out of position Girder 5 photo Span 9 Girder 1,2 span 9 @ bent 10 Girders 1-7 Span 10 Girder 1-7 Span 10 @bent 11 Girder 1-7 span 11 Girder 3,4,5 bent 19 Girders 2,3,4 Bent 23 Girder 5</p>							
1080 - Delamination/Spall/Patched Area		5		0	5	0	0
1110 - Cracking (PSC)		47		0	46	0	1
1120 - Efflorescence/Rust Staining		2		0	2	0	0
210 - Reinforced Concrete Pier Wall	1- Ben.	240	ft.	233	4	3	0
Bent 20 is showing signs of rotation approximately 3.5" measured from top of cap,							
1080 - Delamination/Spall/Patched Area		2		0	2	0	0
1090 - Exposed Rebar		4		0	2	2	0
4000 - Settlement		1		0	0	1	0
215 - Reinforced Concrete Abutment	1- Ben.	136	ft.	86	39	11	0
There are vertical cracks in the back wall that have efflorescence typical with both abutments.							
1080 - Delamination/Spall/Patched Area		11		0	0	11	0
1120 - Efflorescence/Rust Staining		6		0	6	0	0
1130 - Cracking (RC and Other)		8		0	8	0	0
1190 - Abrasion/Wear (PSC/RC)		12		0	12	0	0
6000 - Scour		13		0	13	0	0

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Element Inspection

234 - Reinforced Concrete Pier Cap	1- Ben.	880	ft.	753	121	6	0
<p>9/04/2018 - RWF & APW - All caps have light/medium map cracking with efflorescence typical.</p> <p>All caps has cracking with efflorescence. bent 13 between girder 1 and 2 has a 1' spall on face of cap</p>							
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
1090 - Exposed Rebar		9		0	8	1	0
1120 - Efflorescence/Rust Staining		31		0	31	0	0
1130 - Cracking (RC and Other)		84		0	79	5	0
303 - Assembly Joint with Seal	1- Ben.	176	ft.	166	10	0	0
<p>9/04/2018 - RWF & APW - Sliding plate have deposits of dirt and debris restricting movement and promoting corrosion but appear to be functioning as intended at this inspection.</p> <p>joints has minor dirt and debris impaction joints appear to be functioning as intended no apparent leakage at this inspection.</p>							
2350 - Debris Impaction		10		0	10	0	0
310 - Elastomeric Bearing	1- Ben.	294	each	288	6	0	0
<p>9/04/18 RWF & APW - Elastomeric bearings pads are working out of position up to 1 1/4" at this inspection. Locations listed below</p> <p>Span 6 @Bent 6 Girder 5,6,7 Bearing pads working out of position</p> <p>Girder 5</p> <p>Span 9 Girder 1,2</p> <p>span 9 @ bent 10 Girders 1-7 Span 10 Girder 1-7 Span 10 @bent 11</p> <p>Girder 1-7</p> <p>span 11 Girder 3,4,5</p> <p>bent 19 Girders 2,3,4</p> <p>Bent 23 Girder 5</p> <p>Bent 6 girders 4,5 and 6 Bent 10 girders 2 and 3 elastomeric bearing pads are working out of place.</p>							
2210 - Movement		0		0	0	0	0
2230 - Bulging, Splitting, or Tearing		1		0	1	0	0
2240 - Loss Bearing Area		5		0	5	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	3080	sq. ft.	3080	0	0	0
<p>9/04/2018 - RWF & APW - Approach slabs are not visible for inspection because they have a new asphalt overlay with minor cracking.</p> <p>This asphalt overlay is showing signs of reflective cracking.</p>							
521 - Concrete Protective Coating		3080	sq. ft.	2180	900	0	0
3540 - Effectiveness (Concrete Protective Coatings)		900		0	900	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	4240	ft.	3264	424	552	0
<p>9/04/2018 - RWF & APW - Bridge railing has numerous spalls with exposed reinforcing steel from shallow cover and vertical cracking typical throughout with isolated areas of minor collision damage.</p> <p>There is minor cracking visible in bridge rail typical in all spans.</p>							

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1080 - Delamination/Spall/Patched Area		1		0	0	1	0
1090 - Exposed Rebar		551		0	0	551	0
1130 - Cracking (RC and Other)		424		0	424	0	0

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Bridge Inspection Report

Pictures

//// AHTD //// Arkansas State Highway and Transportation Department 10/4/2016 2:32:23 PM

County	Ashley	District	2	County No.	2
Route	82	Section	080		
Begin Mile Marker	0.00	End Mile Marker	0.55	Lane Closed	All EB/WB
Horz. CL		Unit	FT		
Vert. CL		Max. Width			
Date Closed	10/11/2016	Hours Closed	8:00 a.m. - 4:30 p.m.	Days Closed	3
Comments	Bridge Inspection by HBM			Status	P
<input type="button" value="Exit"/> <input type="button" value="Update"/>					

INSTRUCTIONS TO USERS
BEGIN DATE: use the date format of mm/dd/yy.
HOURS CLOSED: use either x a.m. - x p.m. or 24 Hours (as appropriate).
DAYS CLOSED: use a specific number of calendar days or Ongoing for those closures where the number of days is not readily available.
COMMENTS: Use the mouse to select one of the standard comments below. If the closure being entered or updated does not fall into one of these categories or if other information needs to be displayed, please enter this information in the Comments field.

1. Alternating lanes-see text report for additional closures in this area.
2. See text report for Eastbound lane closure also.
3. See text report for Westbound lane closure also.
4. See text report for Northbound lane closure also.
5. See text report for Southbound lane closure also.
6. Crossover-both directions on Eastbound side.
7. Crossover-both directions on Westbound side.
8. Crossover-both directions on Northbound side.
9. Crossover-both directions on Southbound side.
10. Moving lane closure in Inside Lane.
11. Moving lane closure in Outside Lane.
12. Moving lane closure in Alternating lanes.
13. Drainage System Installation.
14. Pavement Removal.
15. Rubblizing and Overlay.
16. Asphalt Paving Operation.
17. Box Culvert work.
18. Shoulder work.
19. Seeding and Landscaping.
20. Striping/Pavement Marking Placement.
21. Miscellaneous Rehabilitation.
22. Emergency Pavement Repairs.
23. Pavement repairs.
24. Pot-hole repairs.
25. Concrete pavement repairs.
26. Guardrail repairs.
27. Bridge repairs.
28. Bridge deck repairs.
29. Bridge joint repairs.
30. Bridge parapet rail repair.
31. Bridge Inspection.
32. Wide Loads must use Alternate Route.
33. Width Restriction - All Lanes.
34. Width Restriction - Northbound Lanes Only.
35. Width Restriction - Southbound Lanes Only.
36. Width Restriction - Eastbound Lanes Only.
37. Width Restriction - Westbound Lanes Only.
38. See text report for ramp closure in this area.

100%

PHOTO 1

Description

PHOTO 1

Description

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

Inspector:

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Facility Carried: US 82-District 2

Bridge Inspection Report

Pictures

PHOTO 2

Description

PHOTO 2

Description

Inspector:

Inspection Date:

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Facility Carried: US 82-District 2

Bridge Inspection Report

Pictures

PHOTO 3

Description

PHOTO 3

Description

Inspector:

Inspection Date:

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Facility Carried: US 82-District 2

Bridge Inspection Report

Pictures

PHOTO 4

Description

PHOTO 5

Description

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 10/17/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE BRIDGE RAILING:

Vertical cracks and minor spalls in all spans. Rebar exposed in many locations.

Span 16, Lt: Spall on top of bridge rail.

Graffiti scattered throughout on bridge rail.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Span 24, Right, Bridge Rail: Spalling.

Stage: Monitor



PHOTO 2 Description Span 16, Left, Bridge Rail: Spalling.

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Maintenance Needs

Date Reported: 12/08/2010

Priority: C - Important

Work Code:

Deficiency Description:

Bt. 15: Wiper plate is severely bent and distorted. Completely out of the drain trough.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Maintenance item created 10/13/2016 to pull out of items that had been completed

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Maintenance Needs

Date Reported: 12/8/2010 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

DECK SURFACE:

Numerous transverse deck cracks in all spans. Majority of the cracks have been sealed with epoxy in the past. Minor spall at expansion joint, Bt. 7.

DECK BELOW:

Numerous transverse efflorescence cracks in the Lt and Rt. overhang.

Added on 10/29/2014, TJB

Bt. 20: Shallow spall at expansion joint.

MFF & KRM - 10/13/2016 - repairs to sealed cracks appear to be holding at this inspection.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Sealable deck cracking at random spacing. Typical

Stage: Monitor



PHOTO 2 Description Typical cracking in the overhangs.

Inspector:

Structure Number: 05898

Inspection Date:

Facility Carried: US 82-District 2

Bridge Inspection Report

Maintenance Needs

Date Reported: 12/8/2010 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

ABUTMENTS.

Vertical efflorescence cracks at both the east and west abutments.

End Bent 1: West abutment has 4 vertical cracks, 3 are efflorescence. Graffiti on cap.

End Bent 1: Head wall has small open cracks.

End Bent 26: East abutment has 4 vertical cracks, 3 are efflorescence.

End Bent 26: Head wall has small open cracks and has a small spall in gutterline.

Minor erosion at both abutments.

MFF & KRM - 10/13/2016 - maintenance items still exist no apparent noteworthy change since last inspection.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 26: Isolated diagonal and vertical cracking with light efflorescence.

Inspector:

Structure Number: 05898

Inspection Date:

Facility Carried: US 82-District 2

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/17/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

P/S CONCRETE GIRDERS:

All girders that have been made continuous have 45-degree hairline cracks in the web starting at the top flange and extending back and down to a point approx. 24" from the end of the girder. None of the cracks extended into the bottom flange. Cracks ranged in width from 0.002 to 0.010 inches in width. See drawing and photos.

Bt. 7, Girder 3, back: Spall on side of girder at bearing area.

MFF & KRM 10/13/2016 - previous maintenance item still exist at this inspection no apparent noteworthy change since last inspection.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 6 girder 4,5,6 bearing pad is working out of place.

Stage: Monitor



PHOTO 2 Description Bent 11 girder 4 diagonal crack in web of girder in bearing area.

Inspector:

Inspection Date:

Structure Number: 05898

Facility Carried: US 82-District 2

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Bent 7 girder 3 crack in bottom flange where anchorage system is attached.

Stage: Monitor



PHOTO 4 Description Bent 7, Girder 3: Spalling in the bearing area.

Inspector:

Structure Number: 05898

Inspection Date:

Facility Carried: US 82-District 2

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/17/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CAPS:

All R/C caps have vertical efflorescence cracks.

Bt. 13, Bk: Between G1-G2: 1' spall on top face of cap.

Bt. 15: Heavy debris on cap.

Added on 10/29/2015. TJB

Bts. 12: Heavy debris on cap.

MFF & KRM 10/13/2016 - previous maintenance item still exist at this inspection no apparent noteworthy change since last inspection.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 7 vertical hairline shrinkage crack in face of cap typical with all bent caps.

Stage: Monitor



PHOTO 2 Description Bent 20, Cap: Cracking with efflorescence.

Inspector:

Structure Number: 05898

Inspection Date:

Facility Carried: US 82-District 2

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/17/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

COLUMNS:

Bts. 1, 2, 3, 4, 5, 6, 7, 12, 13 & 15: Graffiti on columns.

Bt. 5: Minor spall at bottom right side of the column.

Bt. 9, Ahd: 2' of rebar exposed at mid column.

Bt. 13: Ahead: Vertical crack rising from the waterline.

Bt. 20: Bent has rotated back 3 1/2" at the top.

Bt. 21, Ahd: Spall with rebar exposed and moderate scale 3' above ground level.

Work Description:

Date Repairs Completed:

Maintenance Comments:

MFF & KRM 10/10/2016 - previous maintenance item with no * still exist at this inspection no apparent noteworthy change since last inspection.

Stage: Monitor



PHOTO 1 Description Pier 13 vertical crack on ahead side up to 1/4" wide extending up about 15' from water line

Stage: Monitor



PHOTO 2 Description Bent 20: Offset cap.