

Bridge Inspection Report

03860
US 82 SEC.01-13.08
over
MCKINNEY BAYOU



Inspection Date:

Inspected By:

Inspection Type(s):



Inspector:

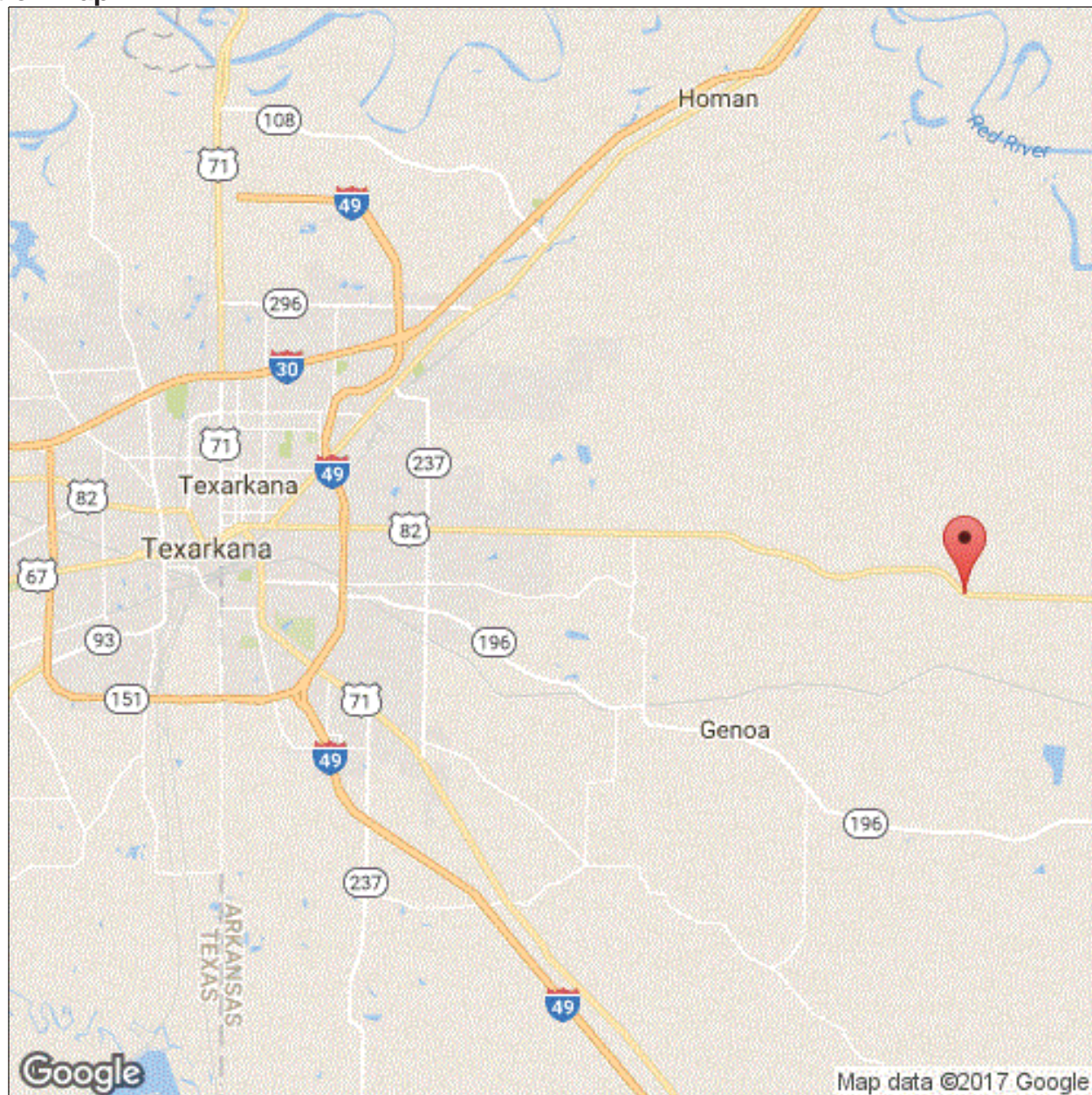
Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Location Map



Latitude: 33.41335

Longitude: -93.80800

Inspector:

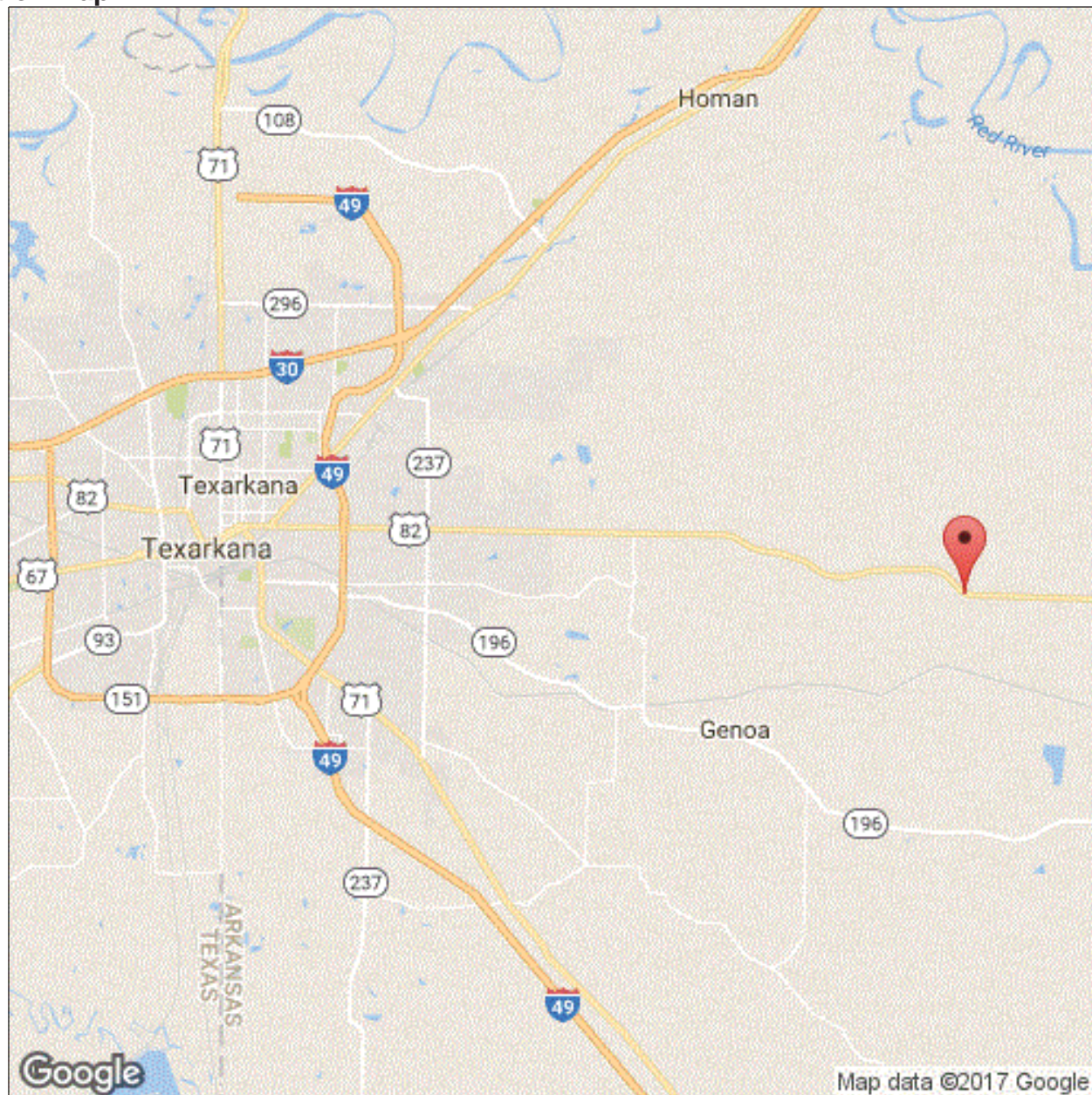
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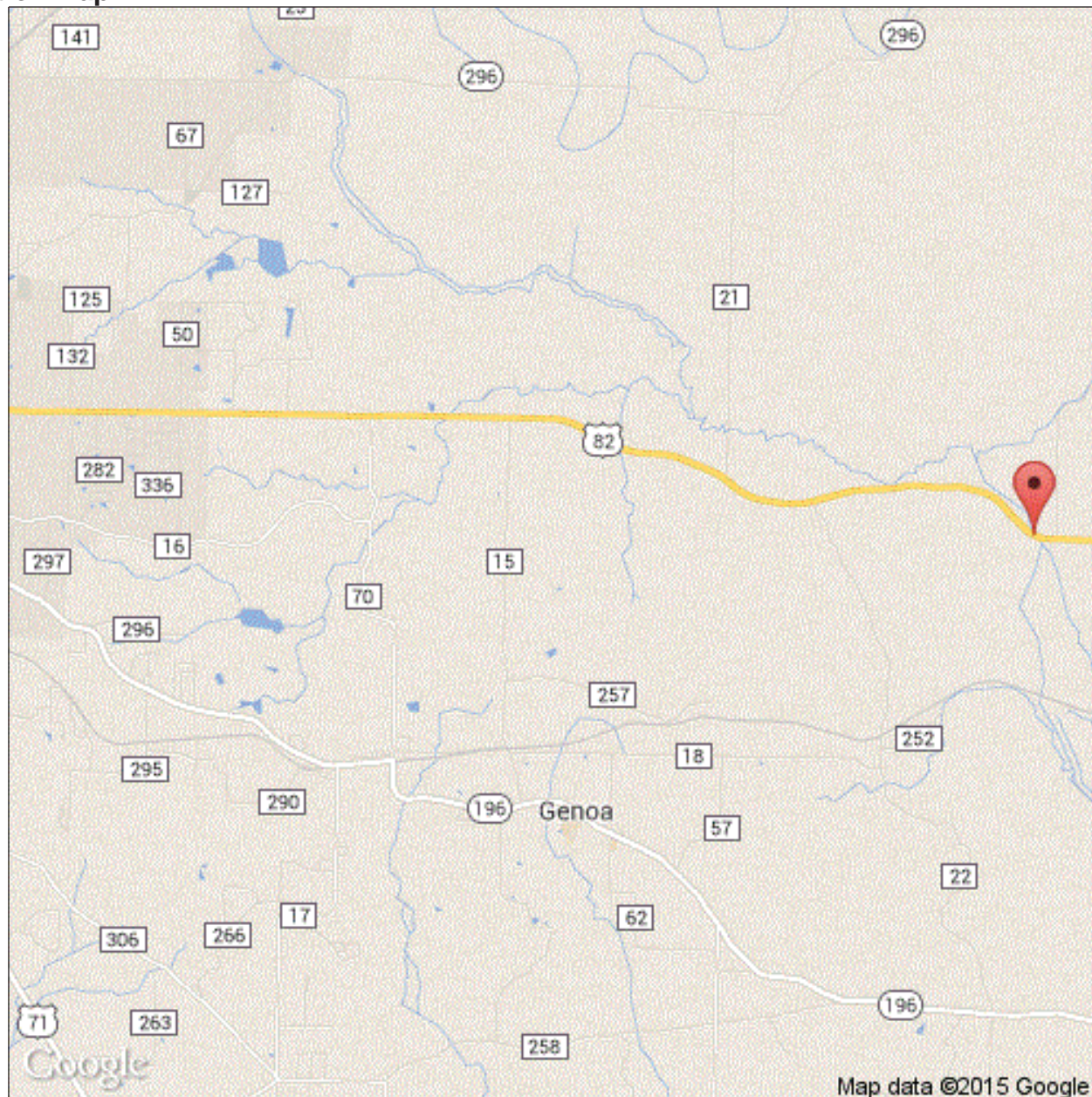
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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/25/2017
(8) STRUCTURE NUMBER	03860	(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	MCKINNEY BAYOU	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 82 SEC.01-13.08		
(9) LOCATION	3.5 MI W JCT SH 296		
(11) MILEPOINT 13.080	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000082110 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.41335	(17) LONGITUDE -93.80800		
(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 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(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 9	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1964	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	0
(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 3500	(19) BYPASS DETOUR LENGTH 32	(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 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.) 270	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5 RIGHT 1.5		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 33.6		(71) WATERWAY ADEQUACY	7
(32) APPROACH ROADWAY WIDTH (ft.) 36.1		(72) APPROACH ROADWAY ALIGNMENT	6
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 45	(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.) 29.9		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	0 STATUS 72.5
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 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:

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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
38 - Reinforced Concrete Slab	1- Ben.	9072	sq. ft.	0	9072		
	AC overlay covering bridge deck. Minor spalls and delams on corners of slab and overhangs.						
205 - Reinforced Concrete Column	1- Ben.	40	each	40			
215 - Reinforced Concrete Abutment	1- Ben.	106	ft.	106			
234 - Reinforced Concrete Pier Cap	1- Ben.	362	ft.	332	10	20	0
	All intermediate bents have some spalls with rebar exposed on caps.						
1080 - Delamination/Spall/Patched Area		20				20	
1090 - Exposed Rebar		10			10		
333 - Other Bridge Railing	1- Ben.	540	ft.	540			

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Bridge Inspection Report

Maintenance Needs

Date Reported: 04/27/2015

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Slab corners at bent 7 and 9 left side spalls. Bent 7 spall has rebar exposed

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Spall bent 9 left side corner of slab

Stage: Open



PHOTO 2 Description Spall bent 7 corner of slab left side
rebar exposed

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2011

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP AT
BENT #8 WEST FACE

DELAMS & AND CRACKS FULL LENGTH BETWEEN PILES #1 AND #4 ON BOTTOM.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description

Inspector:

Structure Number: 03860

Inspection Date:

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2011

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

CONCRETE CAP BENT #2-LT. END

MINOR SPALL W/ REBAR EXPOSED ON BOTTOM. ALSO, DELAM BETWEEN PILE 1 and 2 WEST FACE OF BENT 2 CAP

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description SPALLS on the left end of cap at bent 2

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 04/27/2015

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

CONCRETE CAP BENT #9 EAST FACE TOP
OF CAP

2' X 8" SPALL W/ REBAR EXPOSED. AND
1' X 6" SPALL

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 9 east face top of cap between
piles 1 and 2. 2' x 18" spall

Stage: Assigned



PHOTO 2 Description Bent 9 east face top of cap between
piles 4 and 5. 1' x 6" spall

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2011

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP BENT #3- LT. END

MINOR SPALL W/ REBAR EXPOSED ON BOTTOM.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description

Stage: Assigned



PHOTO 2 Description Spalls at the left end of cap at bent 3

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 04/27/2015

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

CONCRETE CAP BENT #5- LT. END
MINOR SPALLS W/ REBAR EXPOSED ON BOTOM..

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2011

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP BENT #3- LT. END WEST FACE

DELAMINATION BETWEEN PILES # 1 & #2.
DELAMINATION BETWEEN PILES 2 and 3 BENT 3 CAP.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Delam between pile 1 and 2 west face of bent 3 cap.

Stage: Assigned



PHOTO 2 Description Delam between pile 2 and 3 west face of bent 3 cap.

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2011

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

DELAMS IN OVERHANG SPAN 3 RIGHT SIDE UNDER GUARDRAIL POSTS
APPROX. 5' DELAM IN RT.SIDE OVERHANG

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 3 overhang right side delams
under guard rail posts

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 04/27/2015

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP BENT #4- LT. END.
MINOR SPALLS & DELAMS

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Delam bent 4 cap left end west face

Stage: Assigned



PHOTO 2 Description Delam bent 4 cap between pile 2 and 3 west face

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/31/2011

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP BENT #6- LT. END
MINOR SPALLS W/ REBAR EXPOSED.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 05/31/2011

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP BENT #6- EAST FACE
DELAMS IN VARIOUS LOCATIONS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 04/27/2015

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP BENT #6 BOTTOM @
PILE #3

CRACKED AND DELAMED

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 04/27/2015

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP BENT #7 WEST FACE
CRACKED & DELAMED ON BOTTOM AT PILE #2

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Inspection Date:

Structure Number: 03860

Facility Carried: US 82 SEC.
01-13.08

Bridge Inspection Report

Maintenance Needs

Date Reported: 04/27/2015

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

ALL JOINTS HAVE GRASS GROWING OUT OF THEM
AND NEED TO BE CLEANED AND REFILLED

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Joints need cleaning some have grass growing

Stage: Assigned



PHOTO 2 Description Typical of all joints

Inspector:

Structure Number: 03860

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/02/2013

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

MODERATE EROSION UNDER SPAN 7
ON EAST BANK

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



CO. 46/MILLER ROUTE 82 SECTION 01
LOG MILE 13.08 BRIDGE # 03860
EROSION EAST BANK SPAN 7

PHOTO 1 Description