

Bridge Inspection Report

A1922
US64 RROP WHITE
over
Grubbs Rd. & UPRR



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

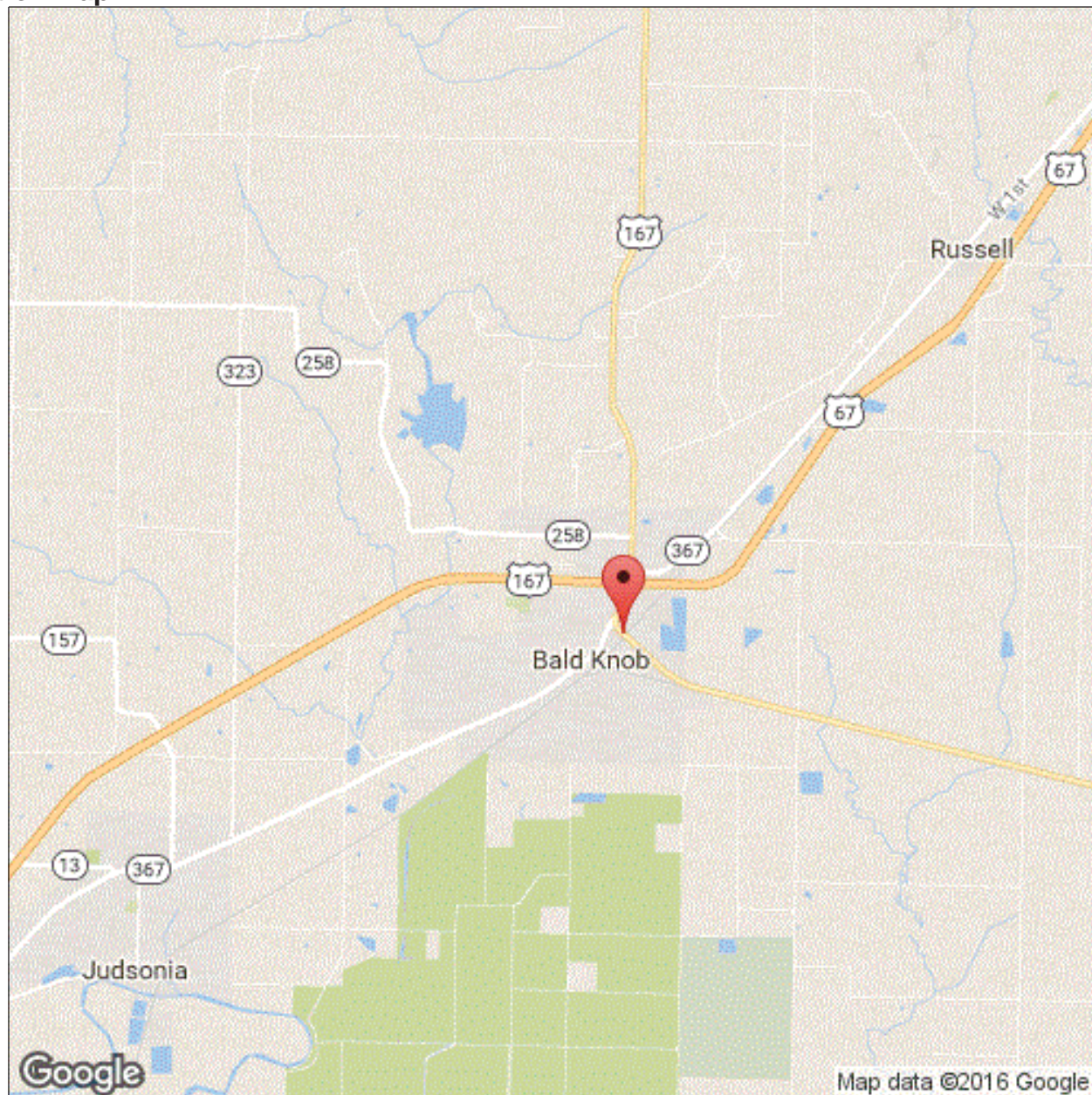
Inspection Date:

Structure Number: A1922

Facility Carried: US64 RROP
WHITE

Bridge Inspection Report

Location Map



Latitude: 35.313057

Longitude: -91.562775

Inspector:

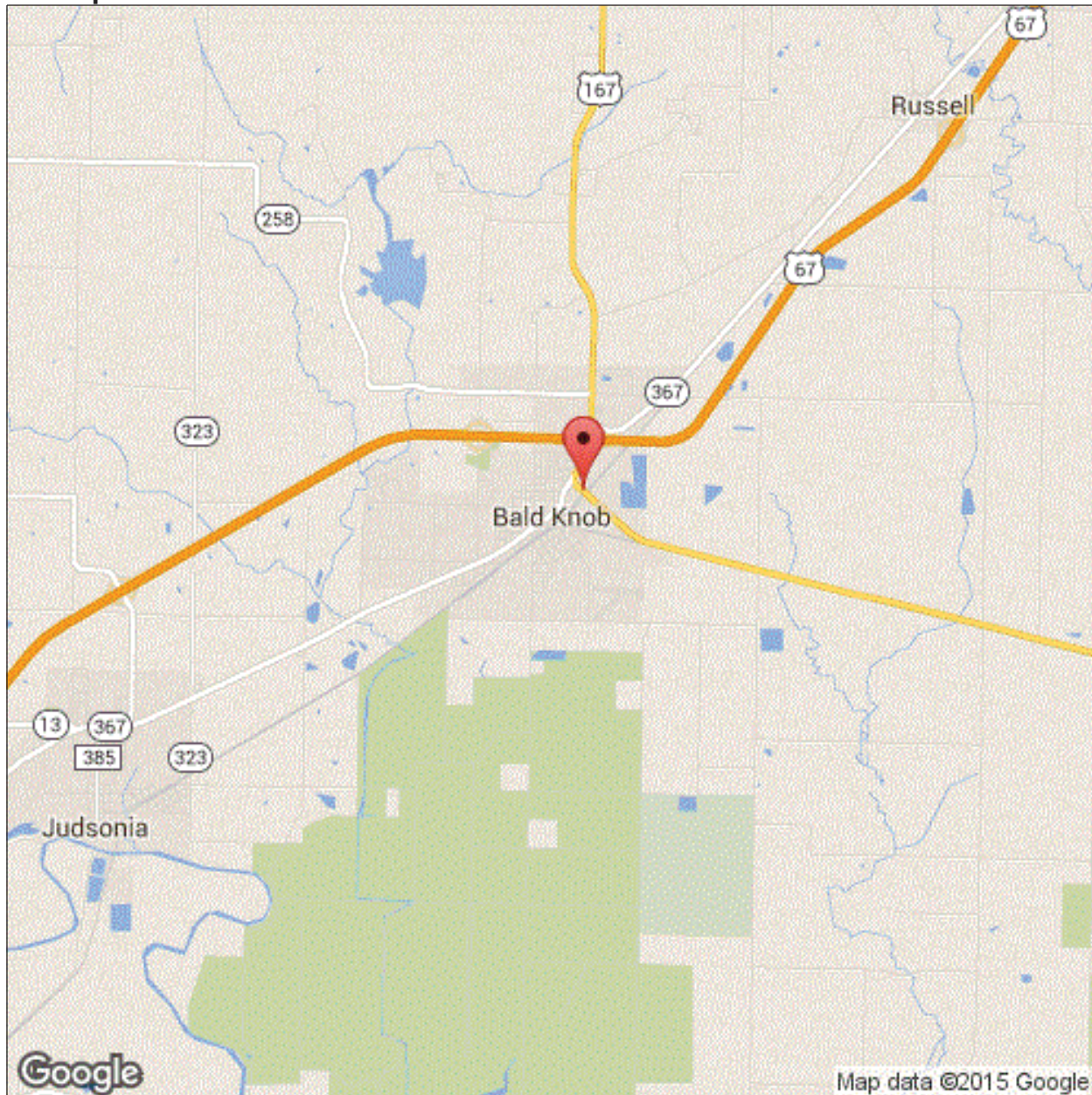
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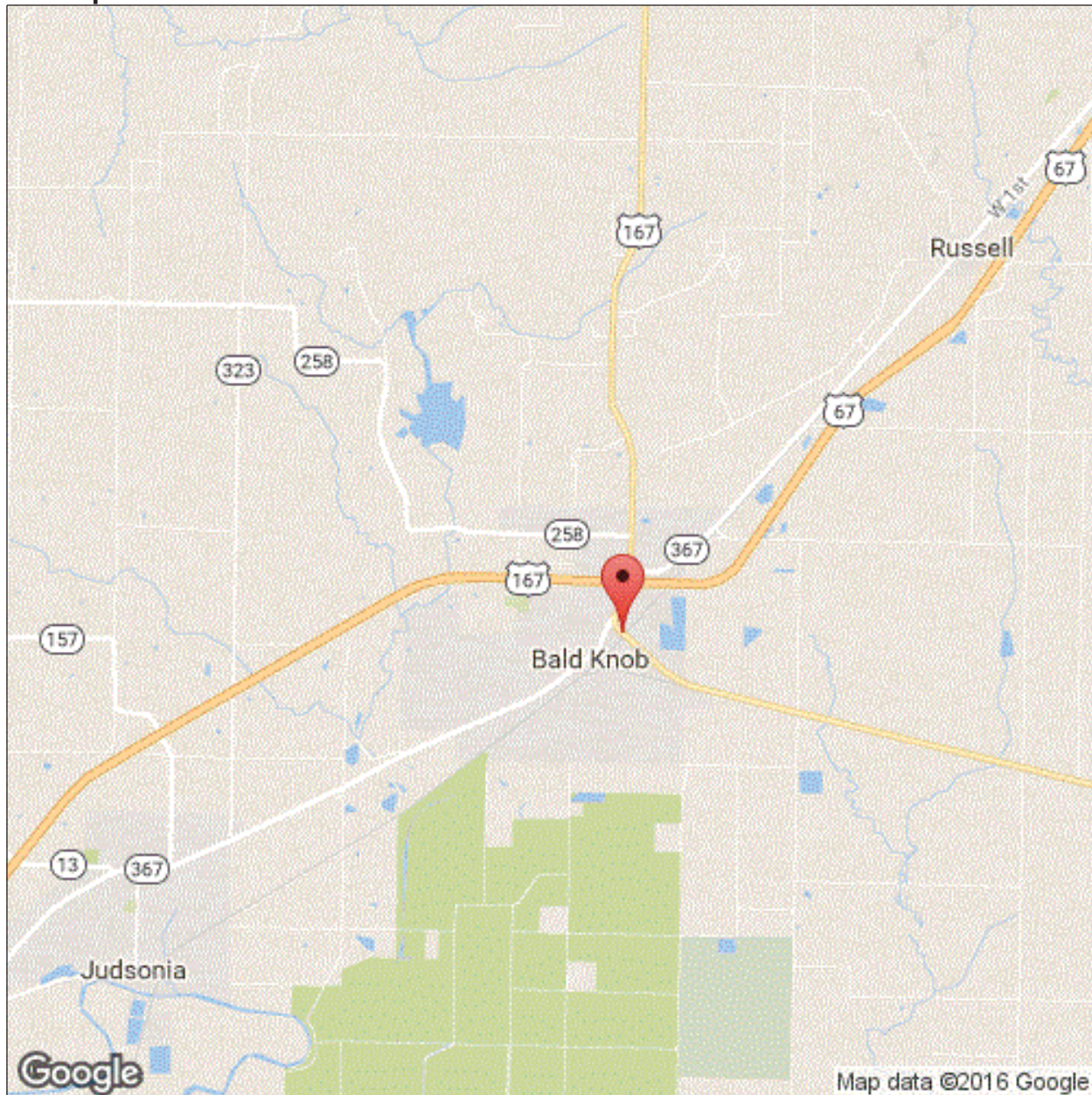
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Executive Summary

Roadway, Log Mile looking East.

Span 1, 2, 4, 5 are Approach Spans.
Span 3 is Main Span.

Const. Job 6181. Widened Job 5501

10/18/2016 - Special Recurring inspection done today on Bearings @ Span 3. Bearings & diaphragms have been replaced/repared. Special Recurring is no longer necessary & has been dropped. KBL

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/12/2015
(8) STRUCTURE NUMBER	A1922	(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	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Grubbs Rd. & UPRR	C. OTHER SPECIAL	Y 24 10/18/2016
(7) FACILITY CARRIED	US64 RROP WHITE		
(9) LOCATION	0.19 M E JCT SH 367&US64		
(11) MILEPOINT 0.530	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064110 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.313057	(17) LONGITUDE -91.562775		
(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	5 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 1 - Concrete			
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam			
(45) NUMBER OF SPANS IN MAIN 1	(46) NUMBER OF APPROACH 4		
(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 1935	(106) YEAR RECONSTRUCTED 1962	(31) DESIGN LOAD	4
(42) TYPE OF SERVICE ON 1 UNDER 4		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 02		(64) OPERATING RATING	49.1
(29) AVERAGE DAILY TRAFFIC 5200	(19) BYPASS DETOUR LENGTH 39	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	29.0
(109) AVERAGE DAILY TRUCK TRAFFIC 15		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 51.5	(49) STRUCTURE LENGTH (ft.) 230.1	(67) STRUCTURAL EVALUATION	5
(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	4
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31	(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.)	29.9	(72) APPROACH ROADWAY ALIGNMENT	7
(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	30.8	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	H 23.17	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	R 9.5	(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.)	9.8	SUFFICIENCY RATING	0 STATUS 47.0
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	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(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 7700	(115) YEAR OF FUTURE ADT 2033	(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	N
		(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: A1922

Inspection Date:

Facility Carried: US64 RROP
WHITE

Bridge Inspection Report

National Bridge Inventory

UNDER RECORD 2

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	US 64-SEC 11
(3) COUNTY CODE	145	(8) STRUCTURE NUMBER	A1922
(4) PLACE CODE	00000	(9) LOCATION	0.19 M E JCT SH 367&US64
(5) INV. ROUTE (ON/UNDER)	2 5 1 24005 0	(11) MILEPOINT	0.650 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	Grubbs Rd. & UPRR	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35. (17) LONGITUDE -91.5627777777778 3130555555556

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 3 - Steel
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	1	(30) YEAR OF AVERAGE DAILY TRAFFIC	1983
(27) YEAR BUILT	1935	(42) TYPE OF SERVICE	ON 1 UNDER 4
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	33		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	23.2	(48) LENGTH OF MAXIMUM SPAN	51.5	(49) STRUCTURE LENGTH	230.1
(47) TOTAL HORIZONTAL CLEARANCE	48.1				

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	0

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Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	7142	sq. ft.	5696	1438	8	0
1090 - Exposed Rebar		12		0	4	8	0
1130 - Cracking (RC and Other)		615		0	615	0	0
1190 - Abrasion/Wear (PSC/RC)		819		0	819	0	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	794	ft.	686	0	106	2
1080 - Delamination/Spall/Patched Area		20		0	0	20	0
1090 - Exposed Rebar		20		0	0	18	2
1130 - Cracking (RC and Other)		68		0	0	68	0
205 - Reinforced Concrete Column	1- Ben.	12	each	4	6	2	0
1090 - Exposed Rebar		2		0	2	0	0
1130 - Cracking (RC and Other)		6		0	4	2	0
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	79	15	8	0
1090 - Exposed Rebar		20		0	15	5	0
1130 - Cracking (RC and Other)		3		0	0	3	0
234 - Reinforced Concrete Pier Cap	1- Ben.	92	ft.	63	0	29	0
1080 - Delamination/Spall/Patched Area		29		0	0	29	0
304 - Open Expansion Joint	1- Ben.	186	ft.	0	186	0	0
311 - Movable Bearing	1- Ben.	17	each	0	0	12	5
1000 - Corrosion		17		0	0	12	5
313 - Fixed Bearing	1- Ben.	5	each	0	0	0	5
1000 - Corrosion		5		0	0	0	5
330 - Metal Bridge Railing	1- Ben.	461	ft.	0	461	0	0
515 - Steel Protective Coating		1382	sq. ft.	0	1382	0	0

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Element Inspection

Approach Span 1, 2, 4, 5

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	5549	sq. ft.	4370	1171	8	0
	See Form III						
1090 - Exposed Rebar		8				8	
1130 - Cracking (RC and Other)		455			455		
1190 - Abrasion/Wear (PSC/RC)		716			716		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	537	ft.	479		56	2
	See Form III						
1090 - Exposed Rebar		20				18	2
1130 - Cracking (RC and Other)		38				38	
205 - Reinforced Concrete Column	1- Ben.	6	each	0	4	2	0
	See Form III						
1090 - Exposed Rebar		2			2		
1130 - Cracking (RC and Other)		4			2	2	
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	79	15	8	0
	See Form III						
1090 - Exposed Rebar		20			15	5	
1130 - Cracking (RC and Other)		3				3	
234 - Reinforced Concrete Pier Cap	1- Ben.	46	ft.	30		16	0
	See Form III						
1080 - Delamination/Spall/Patched Area		16				16	
304 - Open Expansion Joint	1- Ben.	124	ft.	0	124		
	See Form III						
311 - Movable Bearing	1- Ben.	12	each	0		12	0
	See Form III						
1000 - Corrosion		12				12	
330 - Metal Bridge Railing	1- Ben.	358	ft.	0	358		
	Minor rust						
515 - Steel Protective Coating		1074	sq. ft.	0	1074		

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Element Inspection

Main Span 3

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	1593	sq. ft.	1326	267		0
	See Form III						
1090 - Exposed Rebar		4			4		
1130 - Cracking (RC and Other)		160			160		
1190 - Abrasion/Wear (PSC/RC)		103			103		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	257	ft.	207		50	0
	See Form III						
1080 - Delamination/Spall/Patched Area		20				20	
1130 - Cracking (RC and Other)		30				30	
205 - Reinforced Concrete Column	1- Ben.	6	each	4	2		0
	See Form III						
1130 - Cracking (RC and Other)		2			2		
234 - Reinforced Concrete Pier Cap	1- Ben.	46	ft.	33		13	0
	See Form III						
1080 - Delamination/Spall/Patched Area		13				13	
304 - Open Expansion Joint	1- Ben.	62	ft.	0	62		
	See Form III						
311 - Movable Bearing	1- Ben.	5	each	0			5
	See Form III						
1000 - Corrosion		5					5
313 - Fixed Bearing	1- Ben.	5	each	0			5
	See Form III						
1000 - Corrosion		5					5
330 - Metal Bridge Railing	1- Ben.	103	ft.	0	103		
515 - Steel Protective Coating		308	sq. ft.	0	308		

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Bridge Inspection Report

Maintenance Needs

Date Reported: 10/12/2015

Priority: C - Important

Work Code:

Deficiency Description:

Spalls with Rebar Exposed to Girders at Spans 3, 4, & 5.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical condition of ends of all Girders
@ beginning of Span 3.

Stage: Assigned



PHOTO 2 Description Typical condition of ends of all Girders
@ beginning of Span 3.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description Spall with large area of Rebar Exposed to Girder 2 @ beginning of Span 4, Typical condition of Girders 2 & 3.

Stage: Assigned



PHOTO 5 Description 100% Section Loss to Rebar @ End of Girder 3 @ Span 4.

Stage: Assigned



PHOTO 4 Description Typical spalls and cracking to Girder 1, 2 & 5 @ end of Span 3.



PHOTO 6 Description Girder 3 @ Span 4 has Spall with 4" Rebar Exposed.

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Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 7 Description Girder 1 @ Span 5 has large spall with 5' rebar exposed near mid span.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 10/12/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Cracking, Delaminated areas &/or Rebar Exposed to Abutment 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with Rebar Exposed to Left & Right ends of Abutment 1.