

Bridge Inspection Report

05844
SH 87 OP White Co.
over
US 67-SEC 13



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

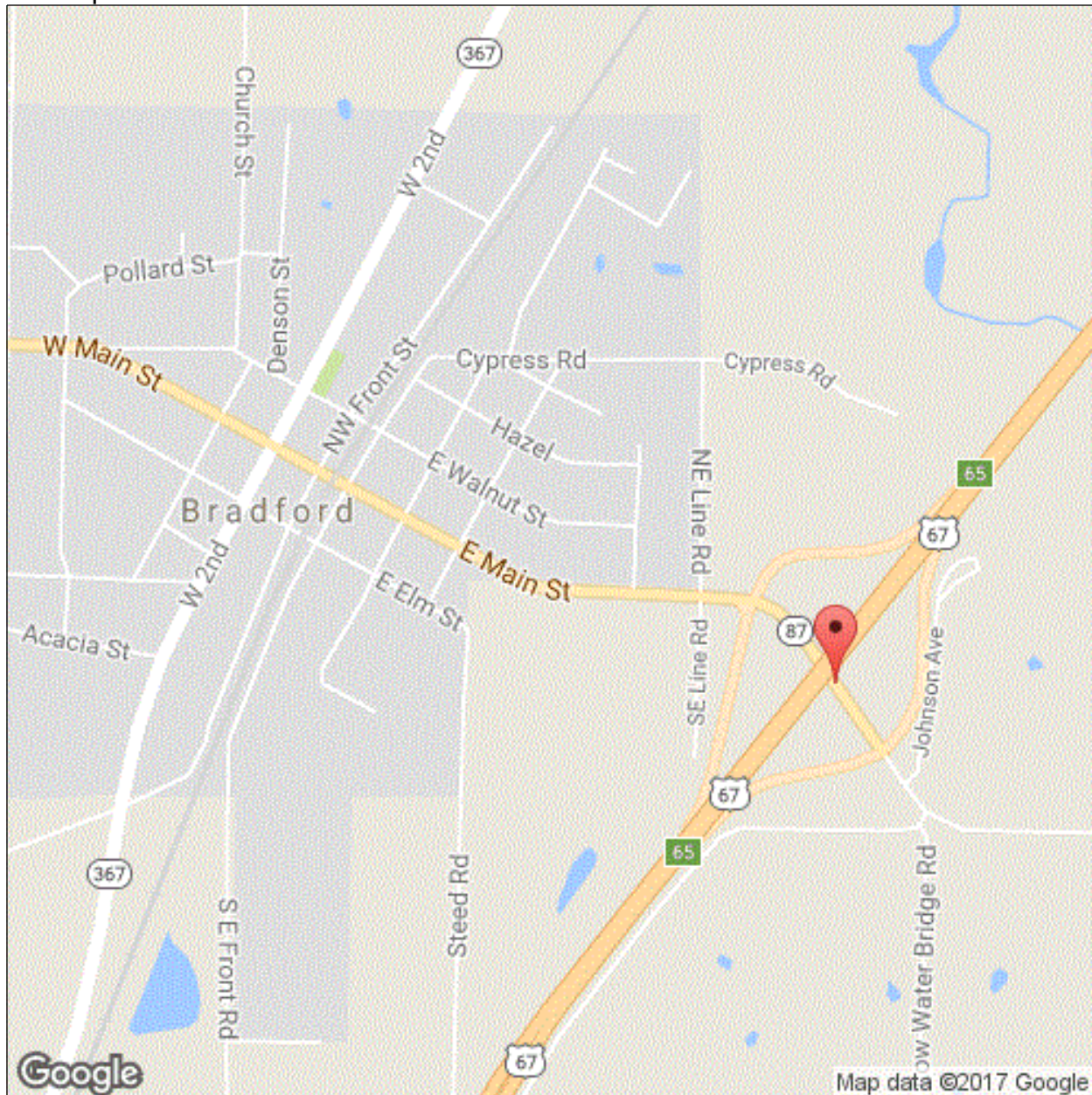
Inspection Date:

Structure Number: 05844

Facility Carried: SH 87 OP White
Co.

Bridge Inspection Report

Location Map



Latitude: 35.41950

Longitude: -91.44473

Inspector:

Inspection Date:

Structure Number: 05844

Facility Carried: SH 87 OP White
Co.

Bridge Inspection Report

Location Map



Latitude: 35.41950

Longitude: -91.44473

Inspector:

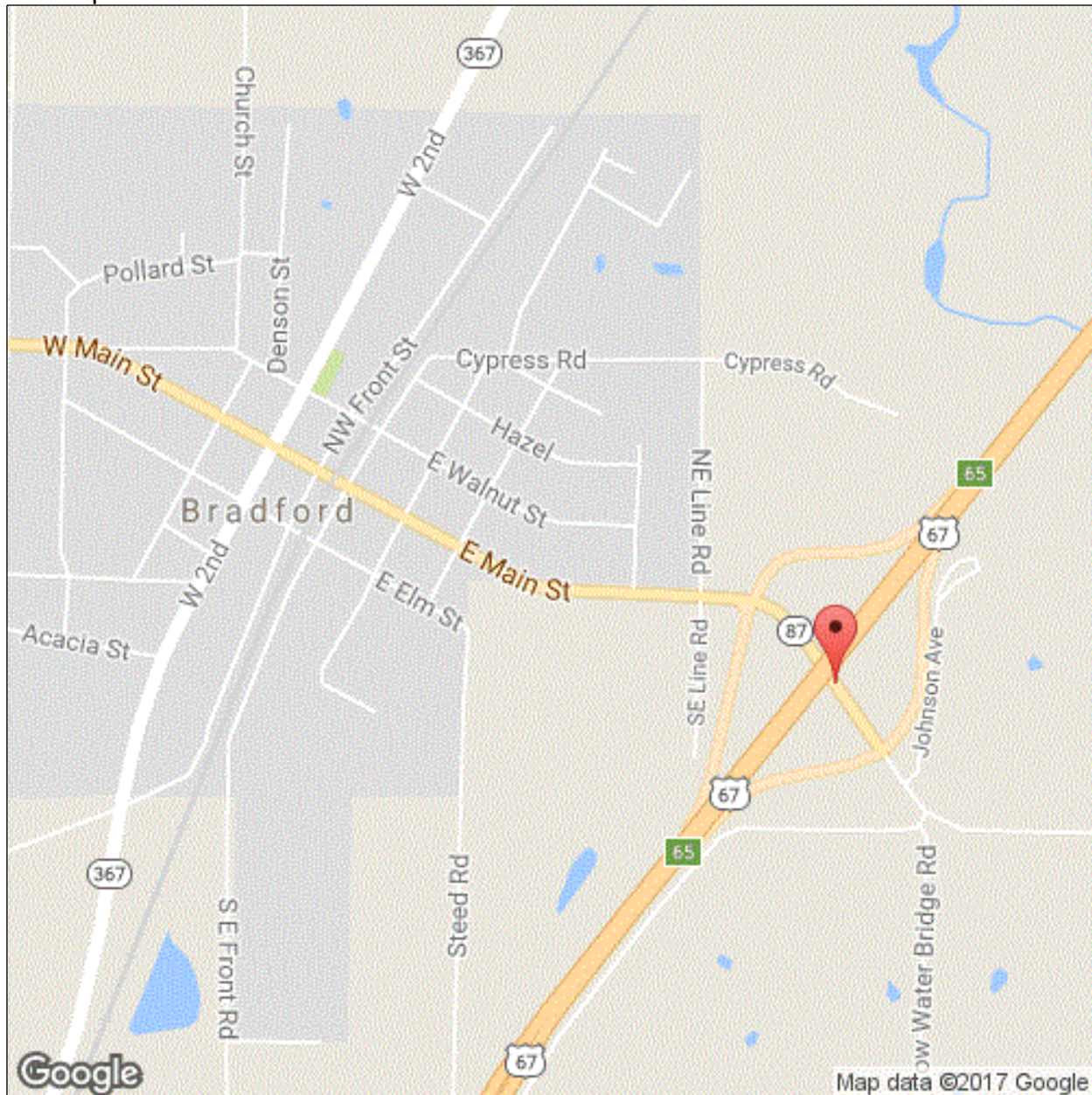
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Bridge Inspection Report

Location Map



Latitude: 35.41950

Longitude: -91.44473

Inspector:

Inspection Date:

Structure Number: 05844

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Co.

Bridge Inspection Report

Executive Summary

Log Mile running Northwest.
Const. Job 5742

Inspector:

Structure Number: 05844

Inspection Date:

Facility Carried: SH 87 OP White Co.

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/04/2017
(8) STRUCTURE NUMBER	05844	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 87 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	US 67-SEC 13	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 87 OP White Co.		
(9) LOCATION	JCT CR95&US67		
(11) MILEPOINT 0.090	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.41950	(17) LONGITUDE -91.44473		
(98A) BORDER BRIDGE CODE			
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	7 (60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	N (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 2	(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 1983	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 04		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 9200	(19) BYPASS DETOUR LENGTH 8	(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.) 112	(49) STRUCTURE LENGTH (ft.) 226	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	9
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.8		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 16	(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.) 40.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) H 16.90		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 43.0		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 6.9		SUFFICIENCY RATING	0 STATUS 93.3
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	07
(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 2575	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(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: 05844

Inspection Date:

Facility Carried: SH 87 OP White Co.

Bridge Inspection Report

National Bridge Inventory

UNDER RECORD A

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	SH 87-SEC 1
(3) COUNTY CODE	145	(8) STRUCTURE NUMBER	05844
(4) PLACE CODE	00000	(9) LOCATION	JCT CR95&US67
(5) INV. ROUTE (ON/UNDER)	A 2 1 67 3	(11) MILEPOINT	19.050 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	US 67-SEC 13	(13A) LRS INVENTORY ROUTE	0000067130 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.4195 (17) LONGITUDE -91.44475

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
 B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	8	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1983	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 04 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	4400		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.9	(48) LENGTH OF MAXIMUM SPAN	112 (49) STRUCTURE LENGTH 226
(47) TOTAL HORIZONTAL CLEARANCE	80.0		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	1

UNDER RECORD B

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	SH 87-SEC 1
(3) COUNTY CODE	145	(8) STRUCTURE NUMBER	05844
(4) PLACE CODE	00000	(9) LOCATION	JCT CR95&US67
(5) INV. ROUTE (ON/UNDER)	B 2 1 67 1	(11) MILEPOINT	19.050 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	US 67-SEC 13	(13A) LRS INVENTORY ROUTE	0000067130 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.4195 (17) LONGITUDE -91.44475

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
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AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	0	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1983	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 04 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	4400		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	17.0	(48) LENGTH OF MAXIMUM SPAN	112 (49) STRUCTURE LENGTH 226
(47) TOTAL HORIZONTAL CLEARANCE	80.0		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	1

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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
12 - Reinforced Concrete Deck	1- Ben.	9673	sq. ft.	9433	190	50	0
	Transverse cracking to deck @ all spans. Efflorescent cracking to Left & Right overhangs.						
1120 - Efflorescence/Rust Staining		70			70		
1130 - Cracking (RC and Other)		170			120	50	
107 - Steel Open Girder/Beam	1- Ben.	1120	ft.	1100	20	0	0
	Minor rust to Girder ends @ Abutment 1 & 2. Random freckled rust to Girders.						
1000 - Corrosion		20			20		
515 - Steel Protective Coating		6451	sq. ft.	4411	2000	40	0
3440 - Effectiveness (Steel Protective Coatings)		2040			2000	40	
205 - Reinforced Concrete Column	1- Ben.	2	each	2			
215 - Reinforced Concrete Abutment	1- Ben.	129	ft.	113	8	8	0
	Vertical efflorescent cracks @ Abutments 1 & 2. Concrete Rip Rap has settled & separating from Left side of Abutment 1						
1120 - Efflorescence/Rust Staining		8				8	
1130 - Cracking (RC and Other)		8			8		
234 - Reinforced Concrete Pier Cap	1- Ben.	40	ft.	40			
301 - Pourable Joint Seal	1- Ben.	128	ft.	128			
302 - Compression Joint Seal	1- Ben.	88	ft.	0	0	0	88
	Compression Joints have failed @ Abutment 1 & 2.						
2320 - Seal Adhesion		88					88
310 - Elastomeric Bearing	1- Ben.	15	each	5	10	0	0
	Anchor bolt nut missing @ Girder 5 @ Abutment 2. Corrosion to sole plates @ Girders 1 - 5 @ Abutments 1 & 2.						
1000 - Corrosion		9			9		
1020 - Connection		1			1		
515 - Steel Protective Coating		30	sq. ft.	25	0	0	5
3440 - Effectiveness (Steel Protective Coatings)		5					5
331 - Reinforced Concrete Bridge Railing	1- Ben.	452	ft.	372	80	0	0
	Minor vertical cracking to parapets.						
1130 - Cracking (RC and Other)		80			80		

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Bridge Inspection Report

Pictures

Inspector:

Inspection Date:

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Facility Carried: SH 87 OP White
Co.

Bridge Inspection Report

Sketches

Inspector:

Inspection Date:

Structure Number: 05844

Facility Carried: SH 87 OP White
Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/06/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Anchor Nut missing @ Girder 5 @ Abutment 2

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Anchor Nut missing @ Girder 5 @
Abutment 2.

Inspector:

Inspection Date:

Structure Number: 05844

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Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/06/2015

Priority: C - Important

Work Code:

Deficiency Description:

Concrete Rip Rap settled 4 1/2" @ Left side of Abutment 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Concrete Rip Rap settled 4 1/2" @ Left
side of Abutment 1.

Inspector:

Inspection Date:

Structure Number: 05844

Facility Carried: SH 87 OP White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/06/2015

Priority: C - Important

Work Code:

Deficiency Description:

37' of Joint Seal failed & debris buildup on Cap @ Abutment 1.

44' of Joint Seal failed & debris buildup on Cap @ Abutment 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Abutment 1 - 37' of Joint Seal failed & debris buildup on Cap.

Stage: Assigned



PHOTO 2 Description Abutment 2 - 44' of Joint Seal failed & debris buildup on Cap.

Inspector:

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 10/06/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Typical corrosion to bottom of Road Irons & to ends of Girders @ Abutment 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Abutment 2 has corrosion to bottom of Road Irons & to ends of Girders.

Stage: Assigned



PHOTO 2 Description Typical corrosion to bottom of Road Irons & to ends of Girders @ Abutment 1 & 2.