

Bridge Inspection Report

05357
US 67 WHITE CO.
over
US 67-SEC 12



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

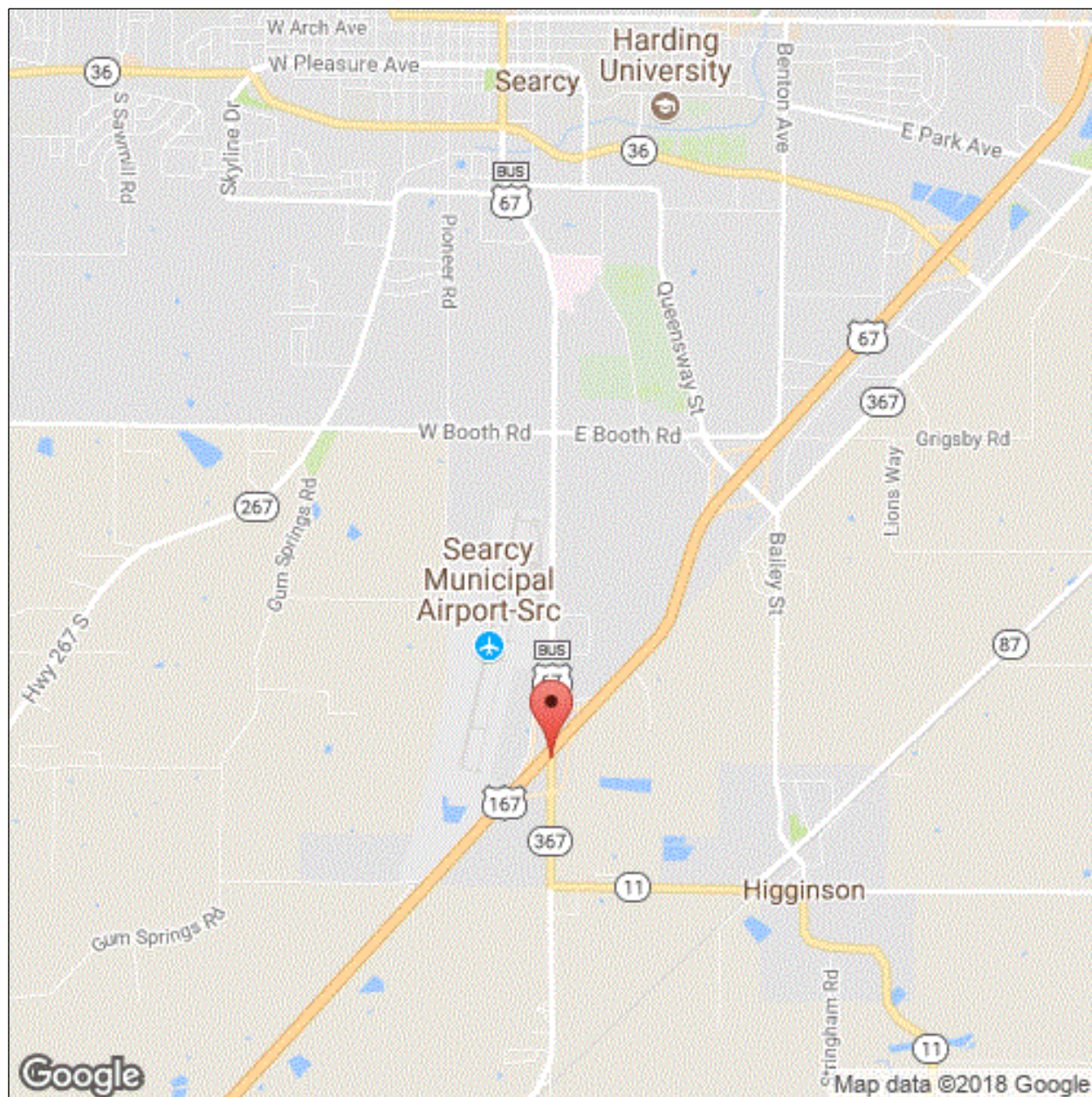
Structure Number: 05357

Inspection Date:

Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Location Map



Latitude: 35.20332

Longitude: -91.73258

Inspector:

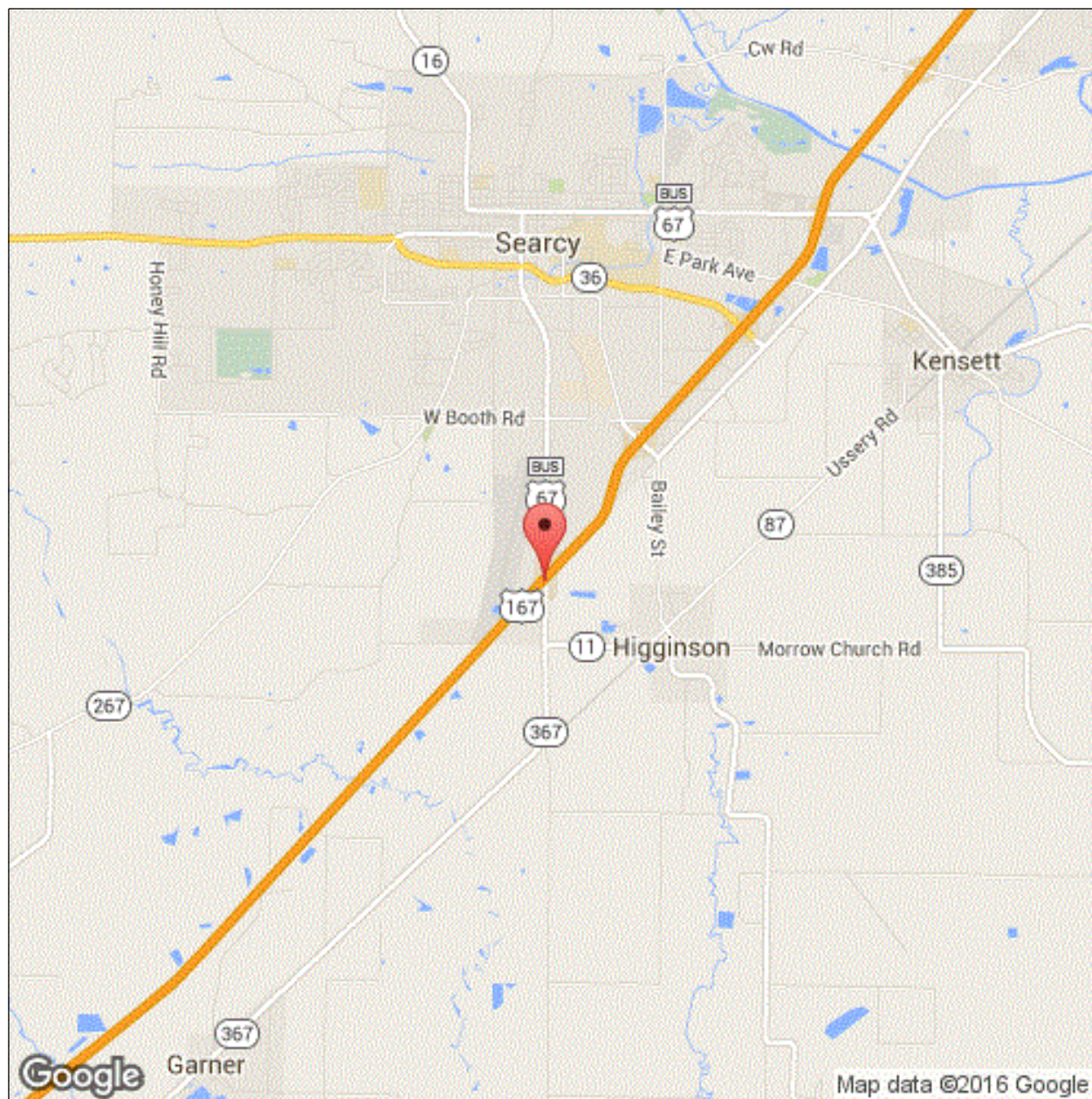
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Location Map



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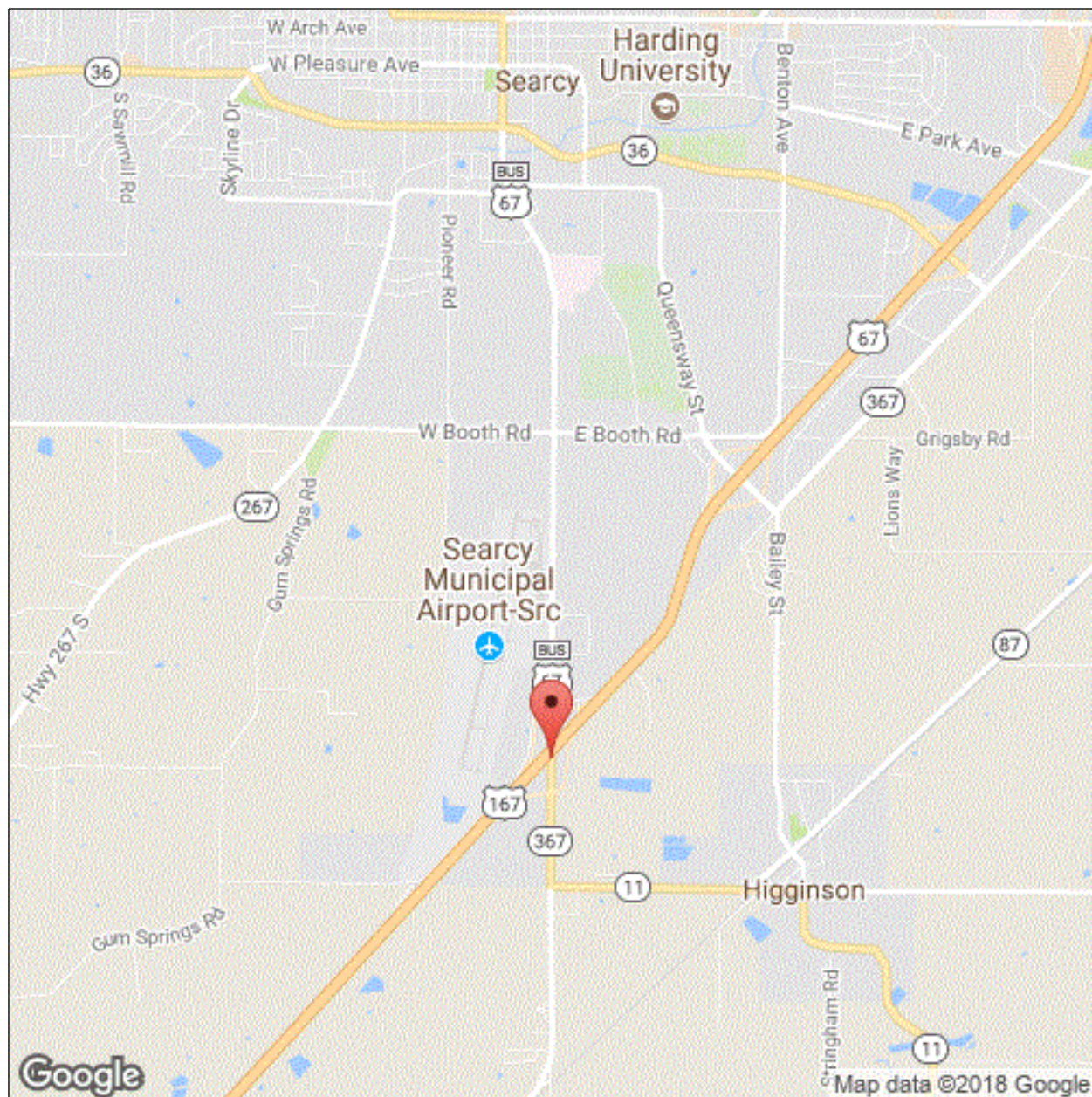
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Location Map



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Bridge Inspection Report

Executive Summary

Log Mile running North.

Job #5608

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/29/2018
(8) STRUCTURE NUMBER	05357	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 6 67 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 12	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 67 WHITE CO.		
(9) LOCATION	.15 MI N SH 367		
(11) MILEPOINT 0.150	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	000006712C (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.20332	(17) LONGITUDE -91.73258		
(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 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 1973	(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 8900	(19) BYPASS DETOUR LENGTH 0	(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.) 127	(49) STRUCTURE LENGTH (ft.) 379	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.5 RIGHT 0.5		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 43.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(52) DECK WIDTH, OUT-TO-OUT (ft.) 46		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 47	(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.) 44.0		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) H 16.47		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 27.6		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 25.3		SUFFICIENCY RATING 98.0	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	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 13280	(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	5
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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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.	17434	sq. ft.	8642	8445	347	0
	Unsealed cracks & spalls to deck. Minor spalls with areas of delaminating @ Span 2. Delaminated area to soffit @ construction joint @ Span 3. Efflorescent cracking to Left & Right overhangs. Transverse efflorescent cracks to soffit @ Spans 3 & 4. Spall with rebar exposed to bottom of deck @ Span 4 between Girder 2 & 3.						
1080 - Delamination/Spall/Patched Area		101			86	15	
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		415			415		
1130 - Cracking (RC and Other)		774			444	330	
1190 - Abrasion/Wear (PSC/RC)		7500			7500		
107 - Steel Open Girder/Beam	1- Ben.	2274	ft.	2236	28	10	0
	Rust to ends of all girders @ Abutment 1 & 2 Hole in web of Girders 1, 3 & 4 @ Abutment 1. Hole in web of Girders 1 & 2 @ Abutment 2. Rust with section loss to haunch area @ Girder 3 @ Abutment 2. Rust with minor section loss to haunch area @ Girder 2 @ Abutment 1. Rust with minor section loss to web @ paving haunch & vertical stiffener @ Girder 6 Abutment 1.						
1000 - Corrosion		38			28	10	
515 - Steel Protective Coating		24066	sq. ft.	24015	0	28	23
3440 - Effectiveness (Steel Protective Coatings)		51				28	23
205 - Reinforced Concrete Column	1- Ben.	9	each	9			
	Concrete rip rap @ Bent 1 & 3 (Column's 1 & 2) have settled 1/2" - 1 1/2".						
215 - Reinforced Concrete Abutment	1- Ben.	149	ft.	138	11	0	0
	Vertical cracking, some with efflorescence to Abutments 1 & 2. Debris on caps @ Abutments 1 & 2.						
1120 - Efflorescence/Rust Staining		3			3		
1130 - Cracking (RC and Other)		8			8		
234 - Reinforced Concrete Pier Cap	1- Ben.	183	ft.	182	1	0	0
	High chairs are exposed @ bottom of cap @ all Bents. Vertical efflorescent crack to cap @ Bent 1.						
1120 - Efflorescence/Rust Staining		1			1		
301 - Pourable Joint Seal	1- Ben.	368	ft.	368			
	Pourable joints have some areas that have minor cracks & separation.						

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Element Inspection

305 - Assembly Joint without Seal	1- Ben.	127	ft.	77	50	0	0
Debris impaction @ Abutments 1 & 2.							
2350 - Debris Impaction		50			50		
311 - Movable Bearing	1- Ben.	30	each	16	8	6	0
Rust to bearings @ Abutment 1 & 2. (some with heavy pack rust)							
1000 - Corrosion		14			8	6	
515 - Steel Protective Coating		108	sq. ft.	77	13	0	18
3440 - Effectiveness (Steel Protective Coatings)		31			13		18
330 - Metal Bridge Railing	1- Ben.	758	ft.	751	0	7	0
7' of guardrail is bent on Right @ Span 4. Left approach rail @ Abutment 2 has collision damage & rail is separated from posts.							
7000 - Damage		7				7	
331 - Reinforced Concrete Bridge Railing	1- Ben.	758	ft.	626	130	2	0
Spall with rebar exposed to Left curb @ Span 1. Spall with rebar exposed to Right curb @ Span 3. Vertical cracking to Left & Right curbs.							
1090 - Exposed Rebar		2				2	
1130 - Cracking (RC and Other)		130			130		

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: 05357

Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Pictures

PHOTO 2

Description

Inspector:

Inspection Date:

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Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 05357

Inspection Date:

Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Date Reported: 03/02/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Unsealed cracks &/or spalls to deck @ all spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Unsealed cracks &/or spalls to deck @
all spans.

Inspector:

Inspection Date:

Structure Number: 05357

Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Date Reported: 3/12/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Rust to bearing assemblies @ Abutment's 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Rust to bearing assembly @ Abutment 1 & 2.

Inspector:

Structure Number: 05357

Inspection Date:

Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Date Reported: 3/13/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Visible settlement to Roadway @ Abutment 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Visible settlement to Roadway @
Abutment 1 & 2.

Inspector:

Structure Number: 05357

Inspection Date:

Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Date Reported: 03/02/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Rust to ends of all Girders @ Abutment 1 & 2.
Hole in top of web of Girder 4 @ Abutment 1.
Holes in top of web of Girder 2 @ Abutment 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical rust to ends of all Girders @ Abutment 1 & 2.

Stage: Assigned



PHOTO 2 Description Hole in top of web of Girder 4 @ Abutment 1.

Inspector:

Inspection Date:

Structure Number: 05357

Facility Carried: US 67 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description Holes in top of web of Girder 2 @
Abutment 2.

Inspector:

Structure Number: 05357

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 03/02/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Collision damage to guardrail on Right, @ Span 4 & on Left side @ Abutment 2 approach.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent guardrail @ Span 4 on Right.

Stage: Assigned



PHOTO 2 Description Bent rail @ Abutment 2 @ Left Approach.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 03/02/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Concrete rip rap cracked & settling @ Abutment 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Concrete rip rap cracked & settling @
Abutment 1 & 2.

Inspector:

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 03/29/2018

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Debris on caps @ Abutment 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Debris on cap @ Abutment 2.

Stage: Open



PHOTO 2 Description Debris on cap @ Abutment 1.