

Bridge Inspection Report

03635
SH 9 -5 Log 4.68
over
ALUM FORK



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	10
SKETCHES	11

Inspector:

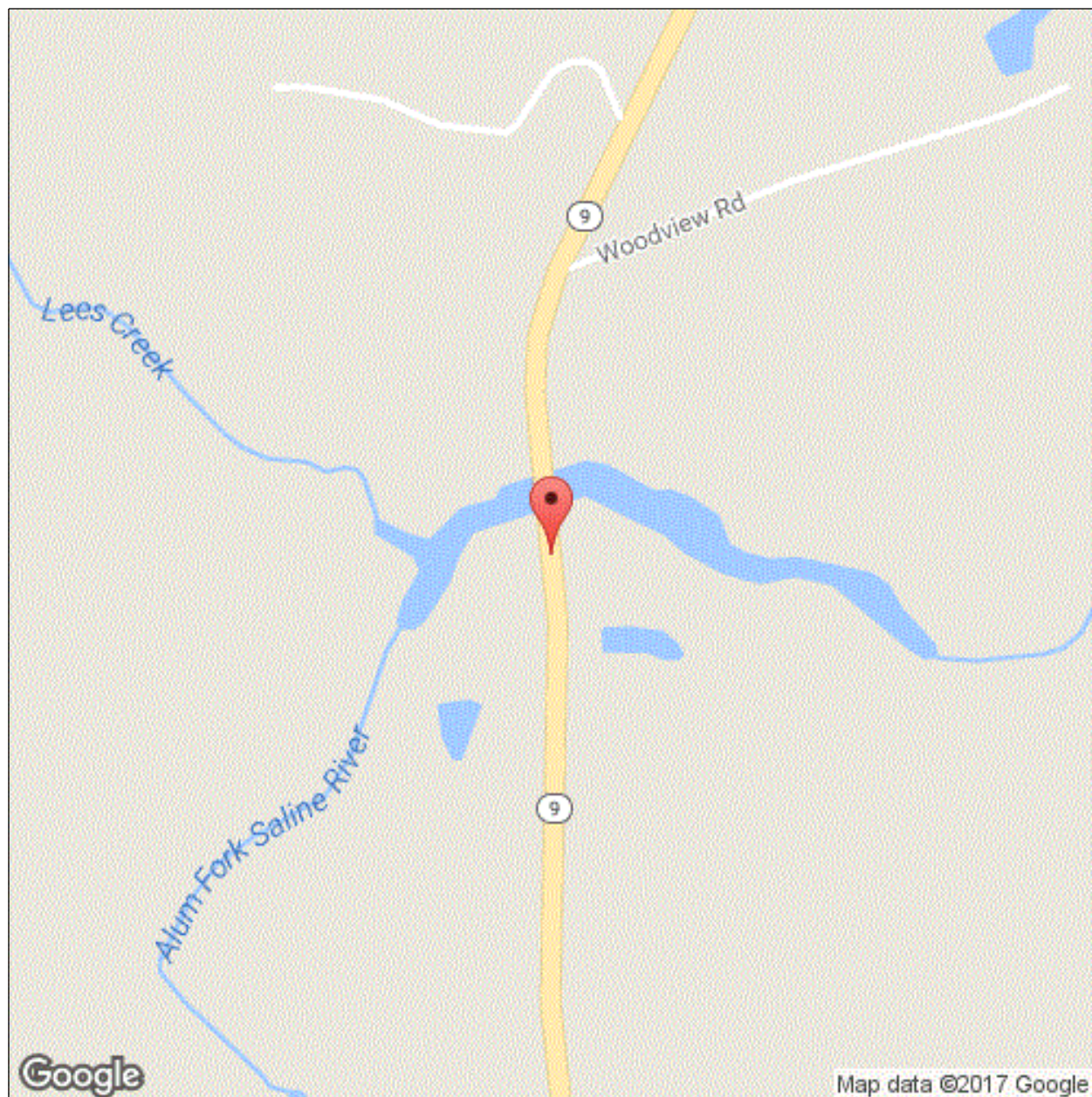
Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Location Map



Latitude: 34.67663

Longitude: -92.78143

Inspector:

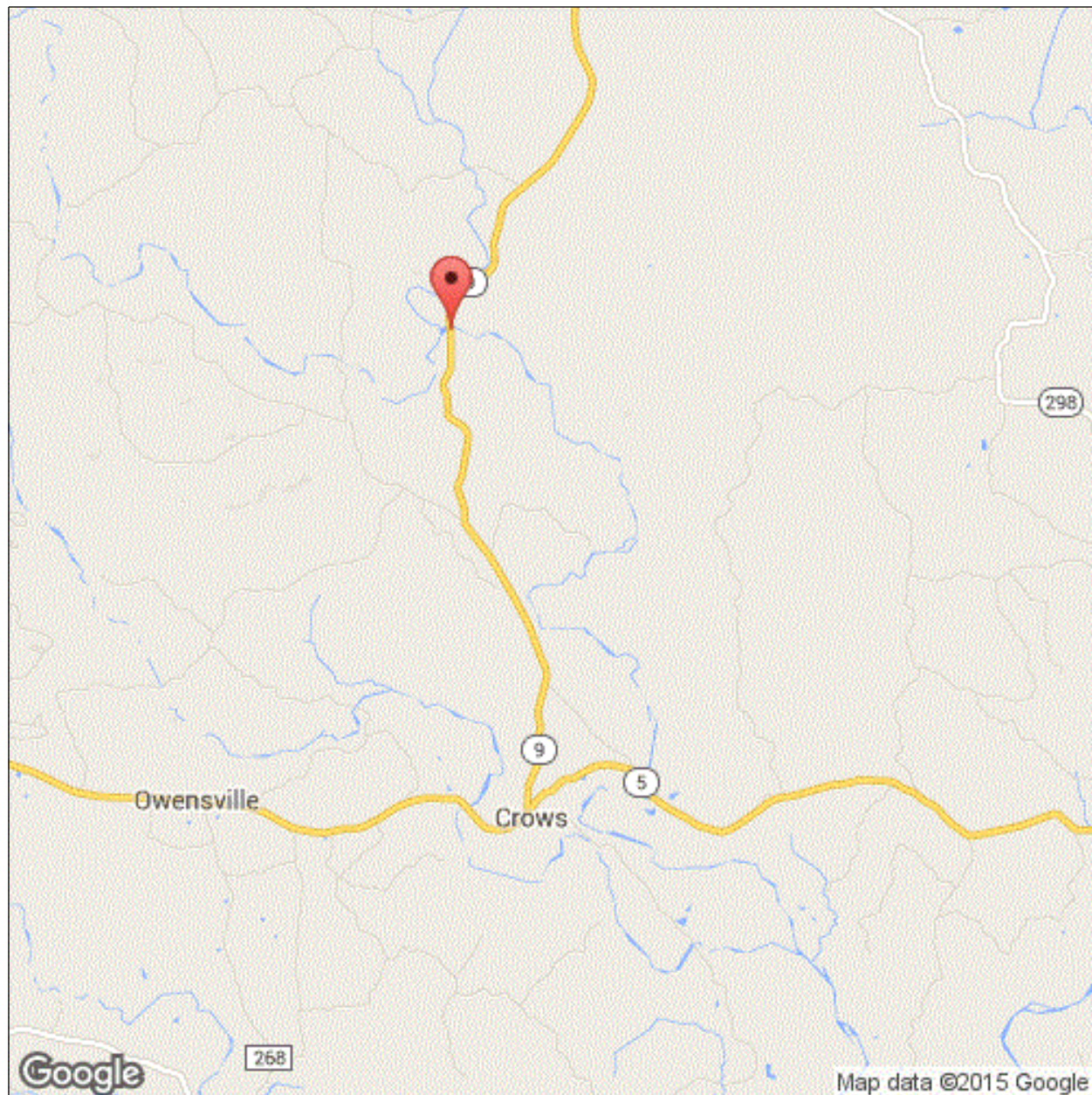
Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Location Map



Latitude: 34.67663

Longitude: -92.78143

Inspector:

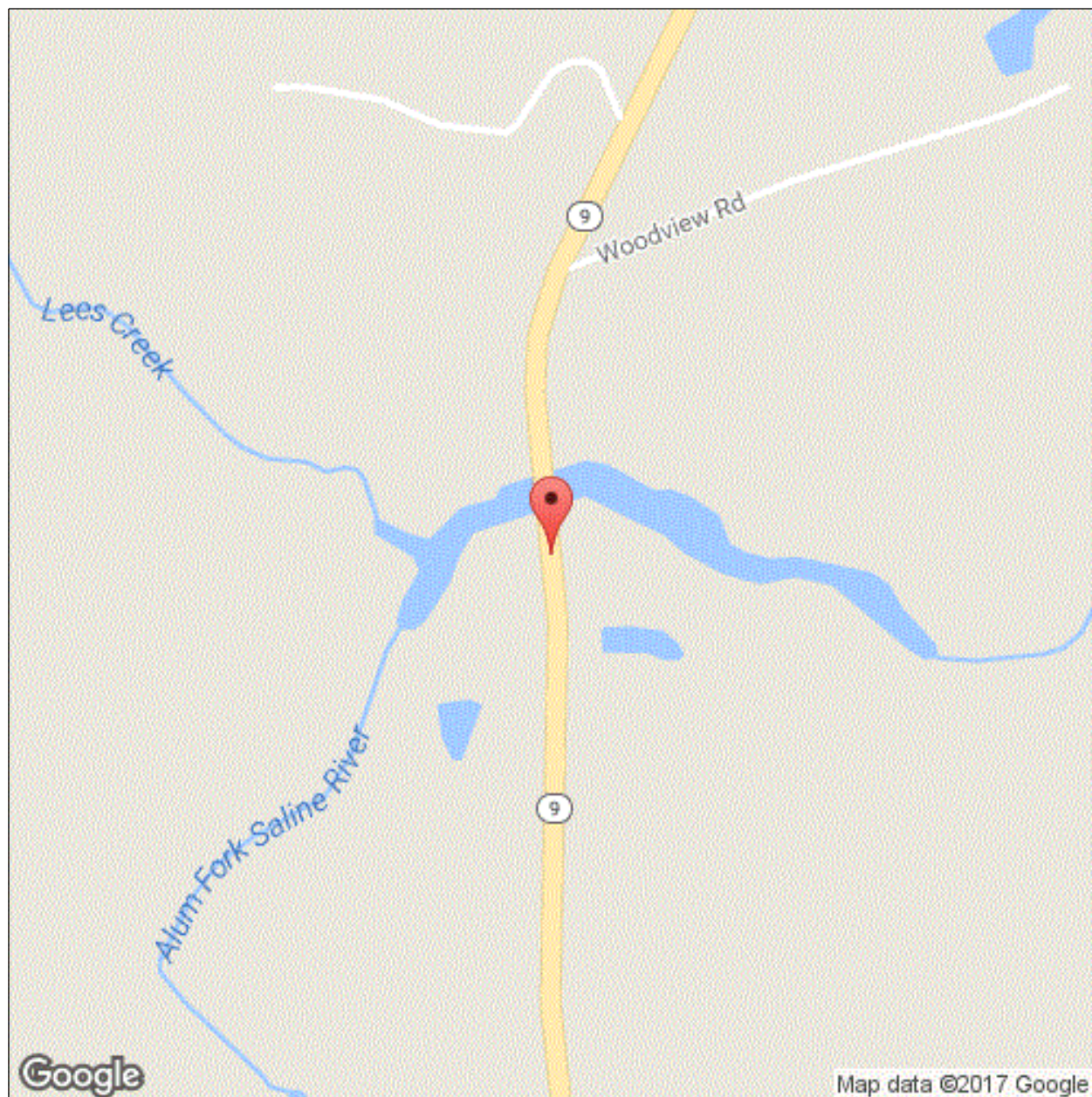
Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Location Map



Latitude: 34.67663

Longitude: -92.78143

Inspector:

Inspection Date:

Structure Number: 03635

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Executive Summary

job 6759 dwg 11851

Approach going north.

Inspector:

Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/28/2017
(8) STRUCTURE NUMBER	03635	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 9 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06	(3) COUNTY CODE	125
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	ALUM FORK	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	SH 9 -5 Log 4.68	C. OTHER SPECIAL	N
(9) LOCATION	4.7 MI N OF CROWS	CONDITION	
(11) MILEPOINT	4.679	(58) DECK	5
(12) BASE HIGHWAY NETWORK	0	(59) SUPERSTRUCTURE	6
(13A) LRS INVENTORY ROUTE	0000000000	(60) SUBSTRUCTURE	5
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	6
(16) LATITUDE	34.67663	(62) CULVERT	N
(17) LONGITUDE	-92.78143	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	2
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	43
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(66) INVENTORY RATING	26
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	5
(45) NUMBER OF SPANS IN MAIN	5	(68) DECK GEOMETRY	4
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(107) DECK STRUCTURE TYPE	1	(71) WATERWAY ADEQUACY	8
(108A) WEARING SURFACE	6	(72) APPROACH ROADWAY ALIGNMENT	6
(108B) DECK MEMBRANE	0	(36) TRAFFIC SAFETY FEATURE	
(108C) DECK PROTECTION	0	36A) BRIDGE RAILINGS:	0
AGE OF SERVICE		36B) TRANSITIONS:	0
(27) YEAR BUILT	1963	36C) APPROACH GUARDRAIL:	0
(106) YEAR RECONSTRUCTED	0000	36D) APPROACH GUARDRAIL ENDS:	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	(113) SCOUR CRITICAL BRIDGES	8
(28) LANES	ON 02 UNDER 00	SUFFICIENCY RATING	0
(29) AVERAGE DAILY TRAFFIC	1200	STATUS	57.2
(19) BYPASS DETOUR LENGTH	14	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(48) LENGTH OF MAX SPAN (ft.)	62	(100) STRAHNET HIGHWAY DESIGNATION	0
(49) STRUCTURE LENGTH (ft.)	312	(101) PARALLEL STRUCTURE DESIGNATION	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.8 RIGHT 0.8	(102) DIRECTION OF TRAFFIC	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.5	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	20.0	(110) DESIGNATED NATIONAL NETWORK	0
(33) BRIDGE MEDIAN	0	(20) TOLL	3
(34) SKEW (DEG.)	0	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED	0	(22) OWNER	01
(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(37) HISTORICAL	5
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.9	NAVIGATION DATA	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(38) NAVIGATION CONTROL	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(111) PIER OR ABUTMENT PROTECTION	5
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(39) NAV VERT CLEARANCE (ft.)	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
PROPOSED IMPROVEMENTS		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(75A) TYPE OF WORK PROPOSED	35		
(75B) WORK DONE BY	1		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	312.0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	398		
(97) YEAR OF IMPROVEMENT COST ESTIMATE	1997		
(114) FUTURE ADT	1512		
(115) YEAR OF FUTURE ADT	2028		

Inspector:

Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

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.	8892	sq. ft.	6722	2048	122	0
	Deck has an asphalt overlay with an added chip seal, that has been patched with asphalt and concrete in the past. Some of the patches are beginning to fail creating new pot holes. Span 5: the soffit has a spall with exposed rebar next to girder 5. This spall was created by maintenance forces hammering through the deck patching the top. Similar spall in span 4. Soffit- spans 3-5 have spalls with exposed rebar. All spans have cracks with efflorescence.						
1080 - Delamination/Spall/Patched Area		948			910	38	
1090 - Exposed Rebar		18			10	8	
1120 - Efflorescence/Rust Staining		1204			1128	76	
510 - Wearing Surfaces		7440	sq. ft.	7337	103	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		103			103		
107 - Steel Open Girder/Beam	1- Ben.	1550	ft.	422	756	372	0
	Spans 1,2, 3 & 4 all the beams areas of active rust to the top flange. Beam ends at bent 2,3 & 4 have active rust in the upper web at haunch area.						
1000 - Corrosion		1128			756	372	
205 - Reinforced Concrete Column	1- Ben.	8	each	3	5	0	0
	Bent 2 column 1 and bent 3 column 1 are cracked. Local scour around bents 2, 3, & 4.						
1130 - Cracking (RC and Other)		2			2		
6000 - Scour		3			3		
215 - Reinforced Concrete Abutment	1- Ben.	66	ft.	62	4	0	0
	Bent 6 has 5' of horizontal crack in the beam seat between beams 4 & 5.						
1130 - Cracking (RC and Other)		4			4		
234 - Reinforced Concrete Pier Cap	1- Ben.	104	ft.	97	7	0	0
	Bent 5: spall with exposed rebar backside of cap with delam next to it, 1' Delamination on the left side of cap. Cracks in bottom of cap.						
1080 - Delamination/Spall/Patched Area		3			3		
1090 - Exposed Rebar		1			1		
1130 - Cracking (RC and Other)		3			3		
311 - Movable Bearing	1- Ben.	25	each	0	15	10	0
	Bearings are beginning to rust.						
1000 - Corrosion		25			15	10	
313 - Fixed Bearing	1- Ben.	25	each	0	19	6	0
	Bearings are beginning to rust.						
1000 - Corrosion		25			19	6	

Inspector:

Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Element Inspection

330 - Metal Bridge Railing	1- Ben.	620	ft.	620			
----------------------------	---------	-----	-----	-----	--	--	--

Inspector:

Inspection Date:

Structure Number: 03635

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Pictures

Inspector:

Inspection Date:

Structure Number: 03635

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/30/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Span 5 at bent 4 right bridge rail post broke.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/30/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 2 scour hole.

Photo attached.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Looking back at Bent 2: a scour hole near column 2. (28" deep where measurement was taken)

Stage: Monitor



PHOTO 2 Description Looking back at bent 3: local scour at column 1.

Inspector:

Structure Number: 03635

Inspection Date:

Facility Carried: SH 9 -5 Log 4.68

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/30/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

All beams at span 1 thru 4 have active rust along the top flange and beam ends at upper web.

Work Description:

Date Repairs Completed:

Maintenance Comments:
