

Bridge Inspection Report

A3853
I-30WBS-14LM 80.58
over
BAYOU DE ROCHE



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

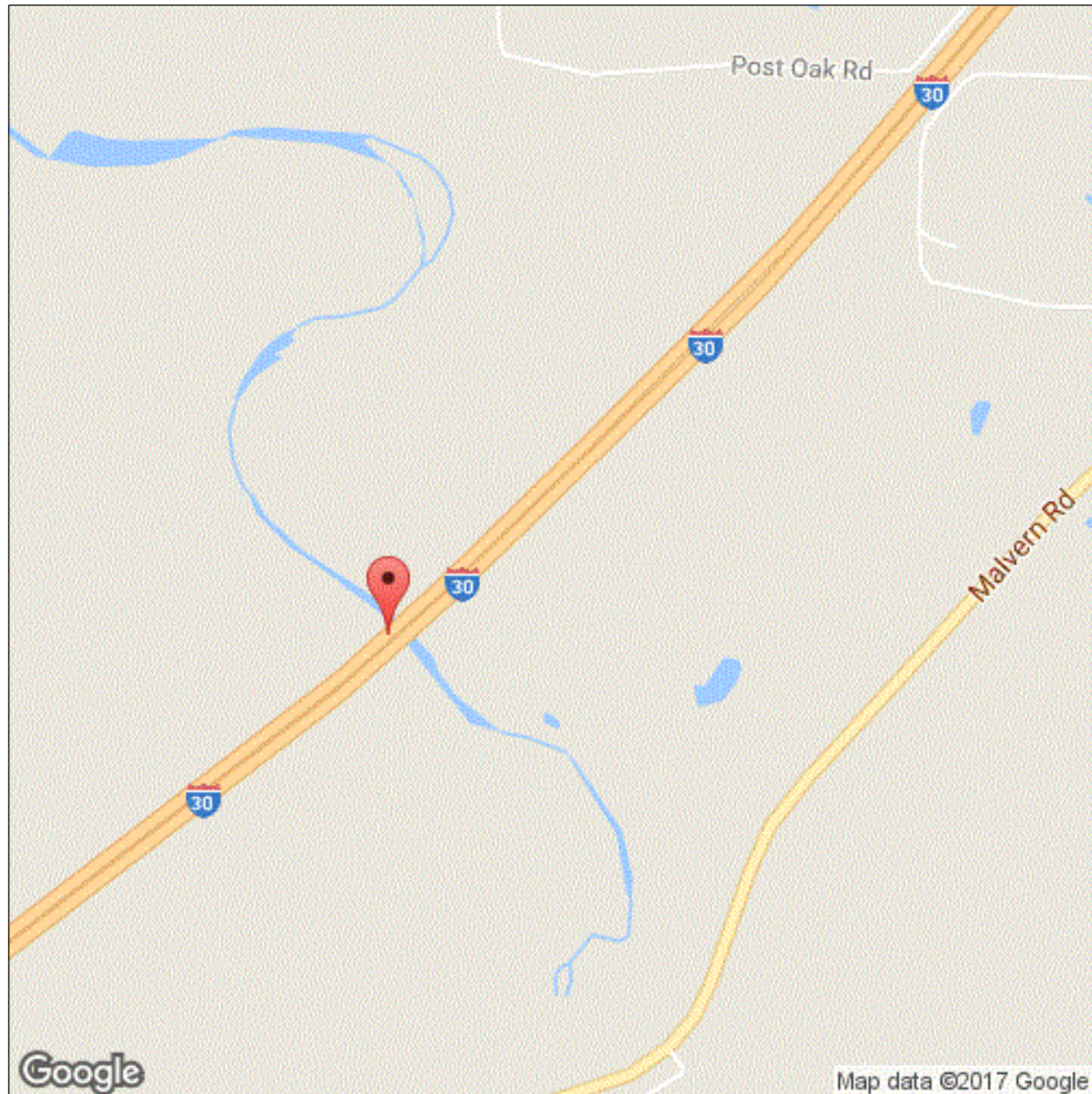
Inspection Date:

Structure Number: A3853

Facility Carried: I-30WBS-14LM 80.58

Bridge Inspection Report

Location Map



Latitude: 34.21347

Longitude: -93.03129

Inspector:

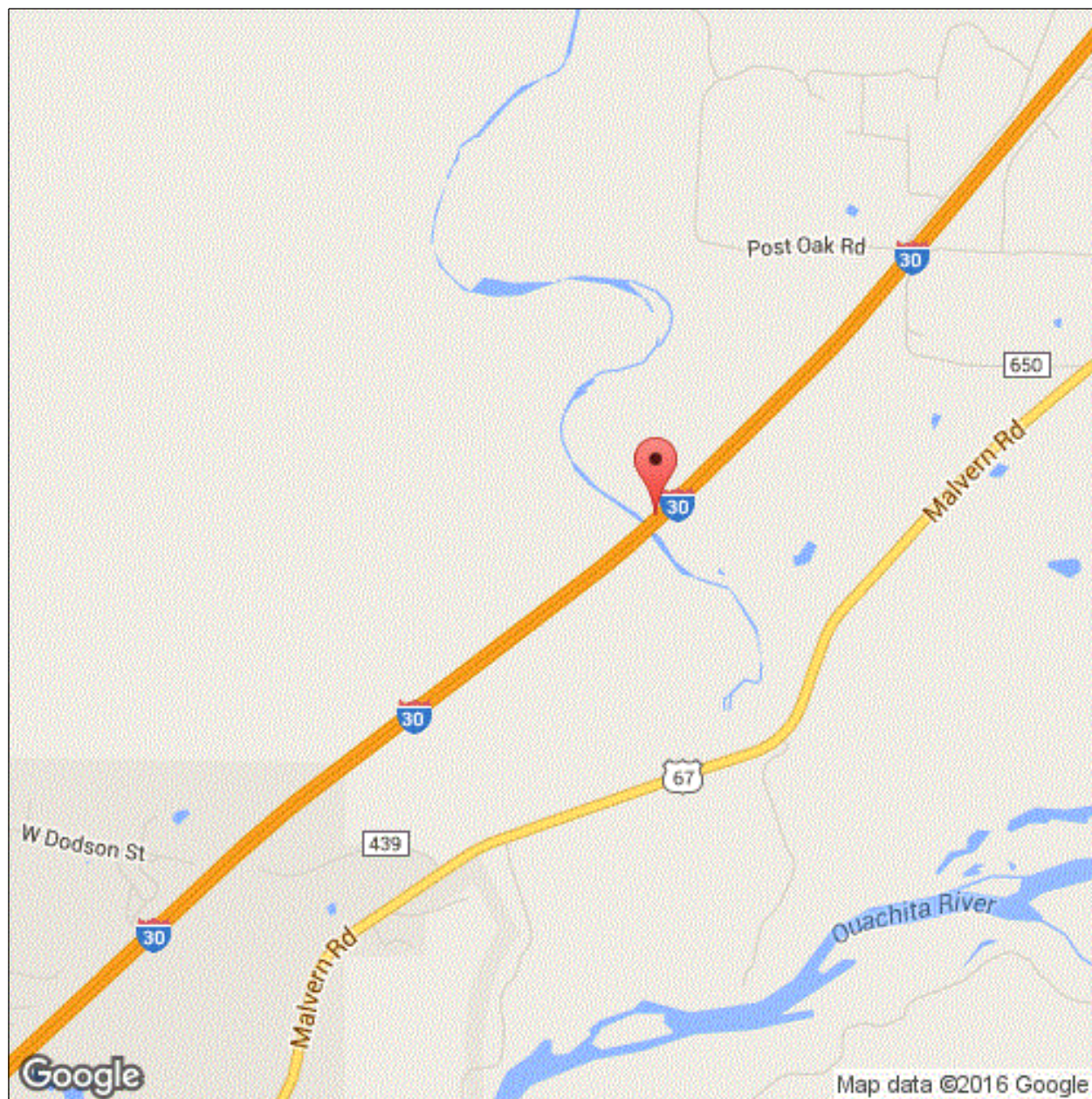
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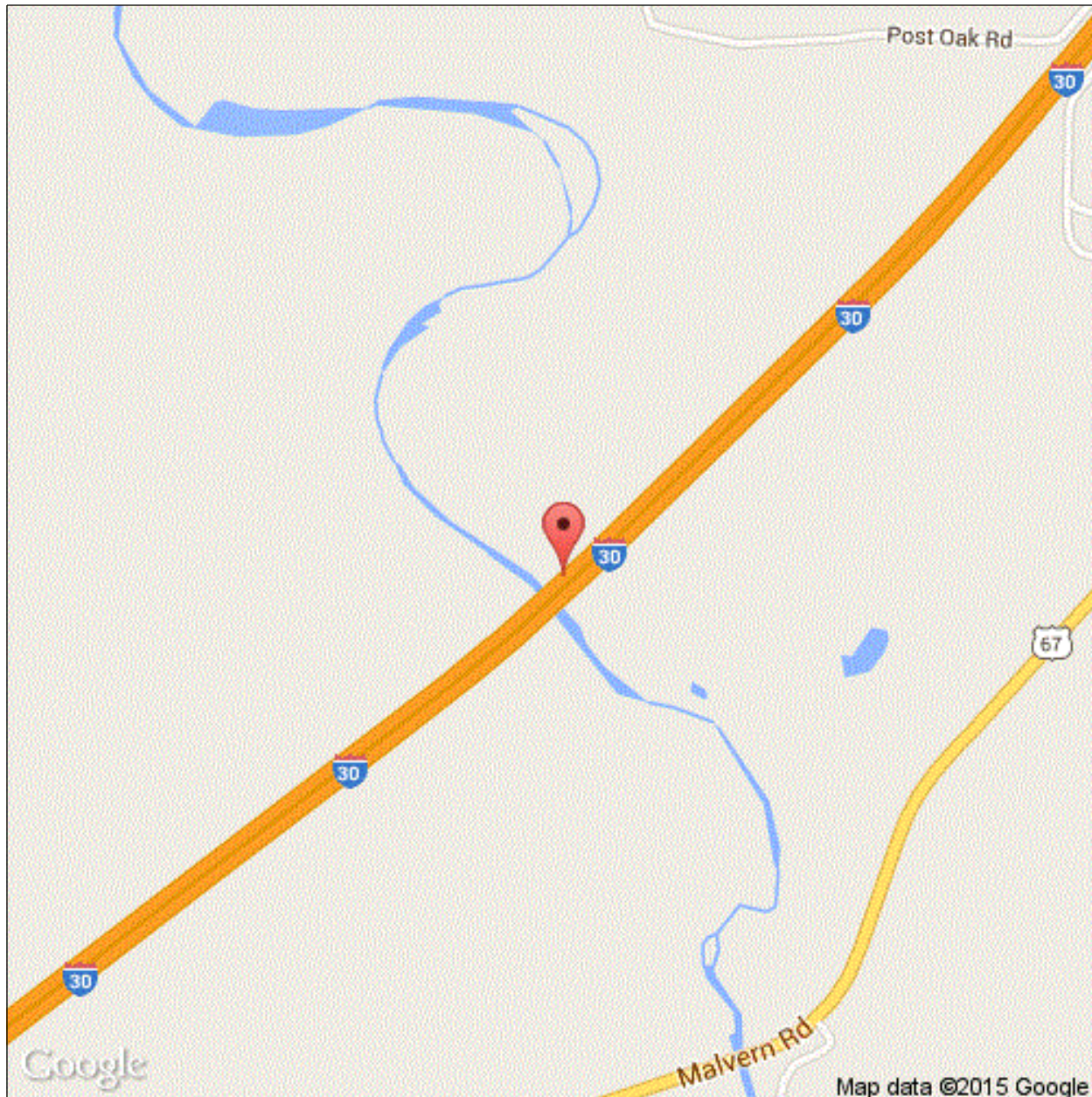
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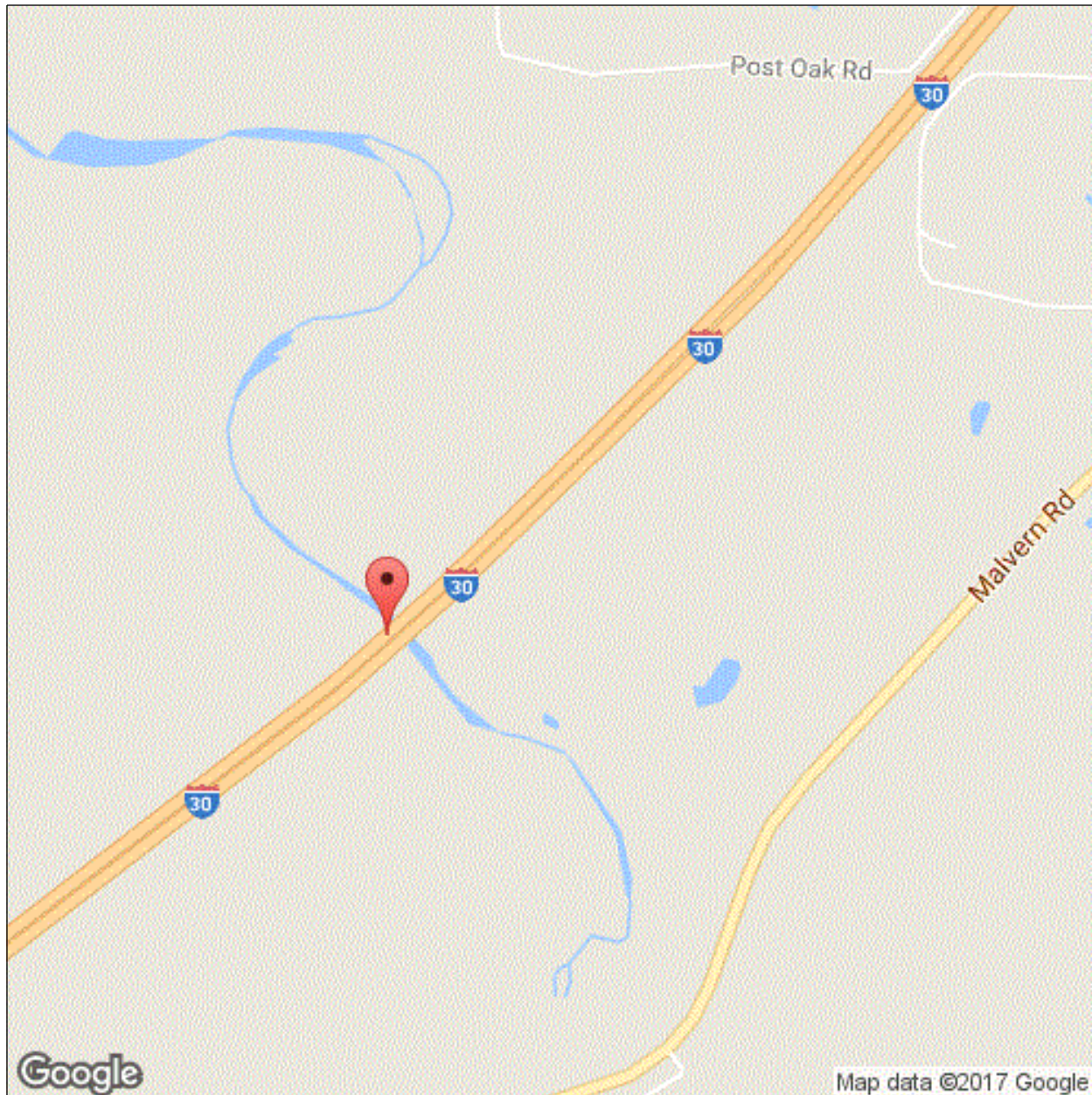
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Executive Summary

07/23/2018 JPR -- This structure is logged from Southwest to Northeast.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/23/2018
(8) STRUCTURE NUMBER	A3853	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 30 4	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 019	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BAYOU DE ROCHE	C. OTHER SPECIAL	Y 24 08/29/2017
(7) FACILITY CARRIED	I-30WBS-14LM 80.58		
(9) LOCATION	3 MI E JCT SH 7 & I 30		
(11) MILEPOINT 80.580	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000030140 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	34.21347 (17) LONGITUDE -93.03129		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 5
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(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	3 (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	1966 (106) YEAR RECONSTRUCTED	0000	
(42) TYPE OF SERVICE	ON 1 UNDER 5	(31) DESIGN LOAD 6	
(28) LANES	ON 02 UNDER 00	(63) METHOD USED TO DETERMINE OPERATING RATING	
(29) AVERAGE DAILY TRAFFIC	34416 (19) BYPASS DETOUR LENGTH	1	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013	(64) OPERATING RATING 60.0	
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(65) METHOD USED TO DETERMINE INVENTORY RATING	
		1	
		(66) INVENTORY RATING 36.0	
		(70) BRIDGE POSTING 5	
		(41) STRUCTURE OPEN/POSTED/CLOSED A	
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	70 (49) STRUCTURE LENGTH (ft.)	212	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.7 RIGHT 0.7	(67) STRUCTURAL EVALUATION 5	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	38.4	(68) DECK GEOMETRY 6	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.2	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N	
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(71) WATERWAY ADEQUACY 8	
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(72) APPROACH ROADWAY ALIGNMENT 8	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0	(36) TRAFFIC SAFETY FEATURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36A) BRIDGE RAILINGS: 0	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36B) TRANSITIONS: 1	
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	36C) APPROACH GUARDRAIL: 1	
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	36D) APPROACH GUARDRAIL ENDS: 1	
		(113) SCOUR CRITICAL BRIDGES 8	
		SUFFICIENCY RATING 82.2 STATUS 0	
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	35 (75B) WORK DONE BY	1	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	212.0	(112) NBIS BRIDGE LENGTH Y	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE 1	
(95) ROADWAY IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE 01	
(96) TOTAL PROJECT COST	400	(100) STRAHNET HIGHWAY DESIGNATION 1	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2001	(101) PARALLEL STRUCTURE DESIGNATION L	
(114) FUTURE ADT 14480	(115) YEAR OF FUTURE ADT 2028	(102) DIRECTION OF TRAFFIC 1	
		(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 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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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	8162	sq. ft.	0	8162	0	0
Some potholes, patches are deteriorated, scale all spans. 08/29/2017 JPR -- numerous deck patches and there are several small pot holes, most are do not have exposed steel, but there a couple of spalls with exposed steel. Span 2 @ Bt. 3 back of joint there is a 1' spall with exposed steel and span 2, 20 ahead of Bt. 2 there is a 2' spall with exposed steel.							
1080 - Delamination/Spall/Patched Area		8162		0	8162	0	0
107 - Steel Open Girder/Beam	1- Ben.	1484	ft.	0	1336	148	0
Girder ends at abutments are rusty.							
1000 - Corrosion		1484		0	1336	148	0
515 - Steel Protective Coating		11634	sq. ft.	0	10634	1000	0
205 - Reinforced Concrete Column	1- Ben.	4	each	4	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	84	ft.	80	4	0	0
Abutment 2, Girder 5, the concrete riser is cracked on the Lt. side of the girder and there is section loss to bottom flange.							
1130 - Cracking (RC and Other)		4		0	4	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	84	ft.	80	0	4	0
Right end of pier cap # 2 has a large spall with exposed steel.							
1080 - Delamination/Spall/Patched Area		4		0	0	4	0
303 - Assembly Joint with Seal	1- Ben.	154	ft.	154	0	0	0
304 - Open Expansion Joint	1- Ben.	40	ft.	40	0	0	0
311 - Movable Bearing	1- Ben.	21	each	0	21	0	0
1000 - Corrosion		21		0	21	0	0
313 - Fixed Bearing	1- Ben.	21	each	0	21	0	0
1000 - Corrosion		21		0	21	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	2888	sq. ft.	2888	0	0	0
330 - Metal Bridge Railing	1- Ben.	424	ft.	424	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	424	ft.	424	0	0	0

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Pictures

PHOTO 1

Description

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/16/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Painted steel girders abutments 1 & 2 All girder ends abutment 1 have major section loss to bottom flanges @ bearing area. All girder ends abutment 2 have moderate sec. loss to bottom flanges @ bearing area. Span 1 girder 1 @ Bt. 2 has heavy pack rust on bottom flange and web, (7' - 9') back, also there is a little pack rust to top flange @ same location above. Bt. 2 G4 ahd and back have heavy pack rust and section loss to girder ends @ haunches.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/13/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

All joints are open and allowing dirt, debris and road salts to get to girder ends and also to top of caps.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/13/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Span 1 @ bent 2 bearings are rocked ahead, and Span 3 @ Bt. 3 bearings are rocked back.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: A3853

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 07/19/2016

Priority: C - Important

Work Code:

Deficiency Description:

All spans have some pot holes, with some having exposed steel. All spans have some spalling on deck. Span 3 has numerous full depth patches. There are spalls to soffit @ span 3 with a couple with exposed steel. 07/23/2018 District Bridge Crew patched several full depth pot holes on Span 3 back of abutment 2 between girders 4 & 5.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Stage: Monitor



PHOTO 1 Description

District Bridge Crew patched several full depth pot holes on Span 3 back of abutment 2 between girders 4 & 5.