

Bridge Inspection Report

06451
US 82 S-7 LM 13.91
over
OUACHITA REL



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

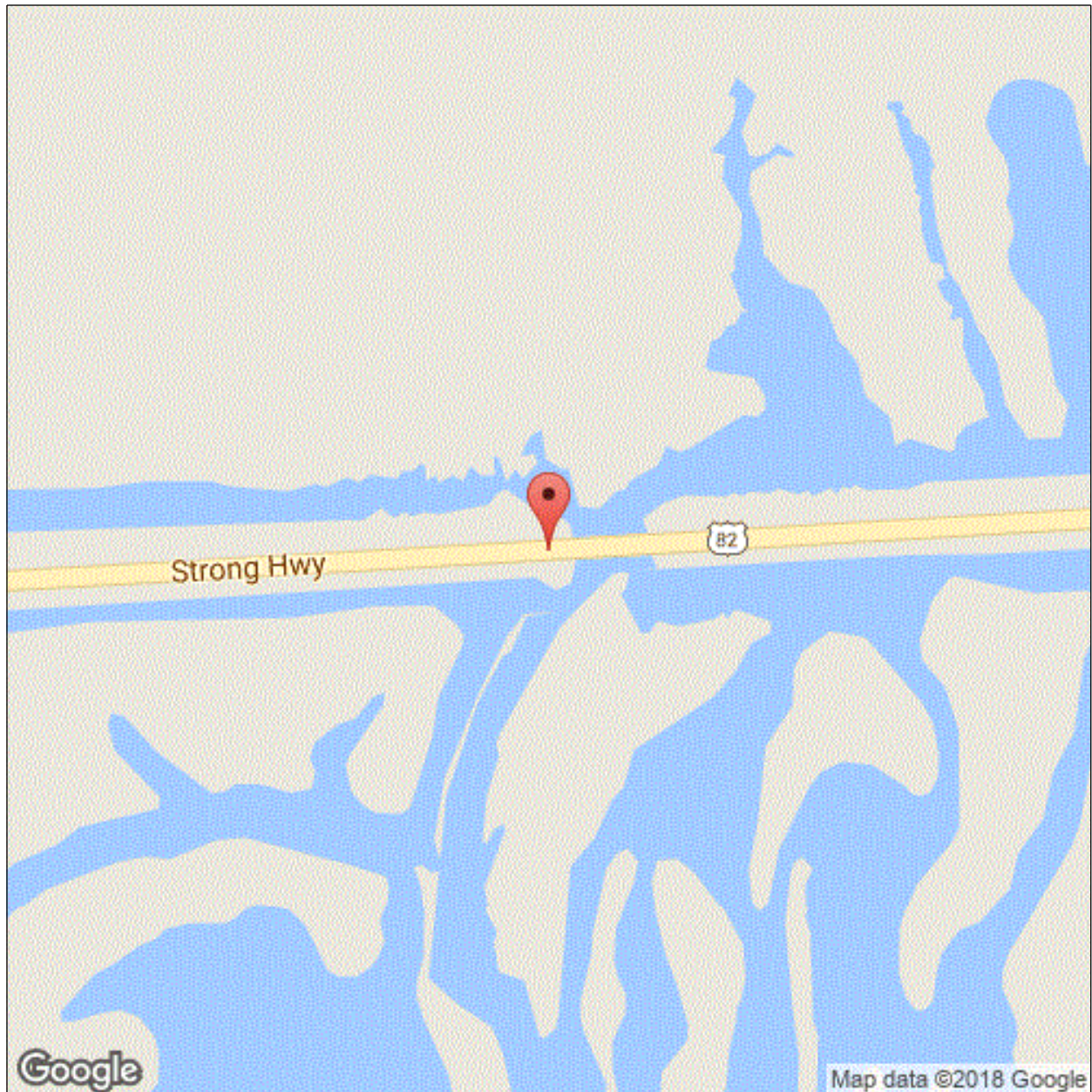
Structure Number: 06451

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Facility Carried: US 82 S-7 LM 13.91

Bridge Inspection Report

Location Map



Latitude: 33.14968

Longitude: -92.12939

Inspector:

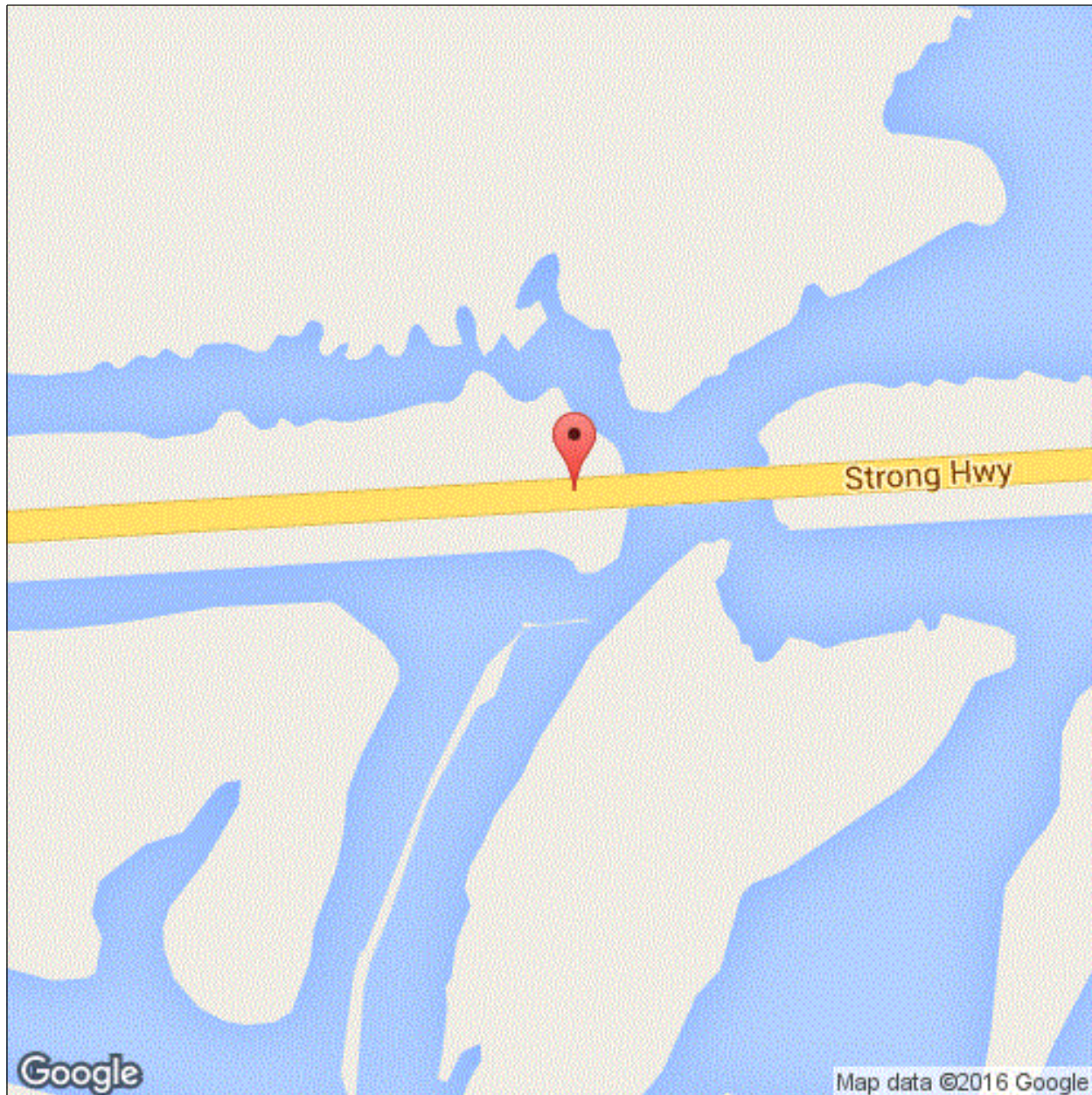
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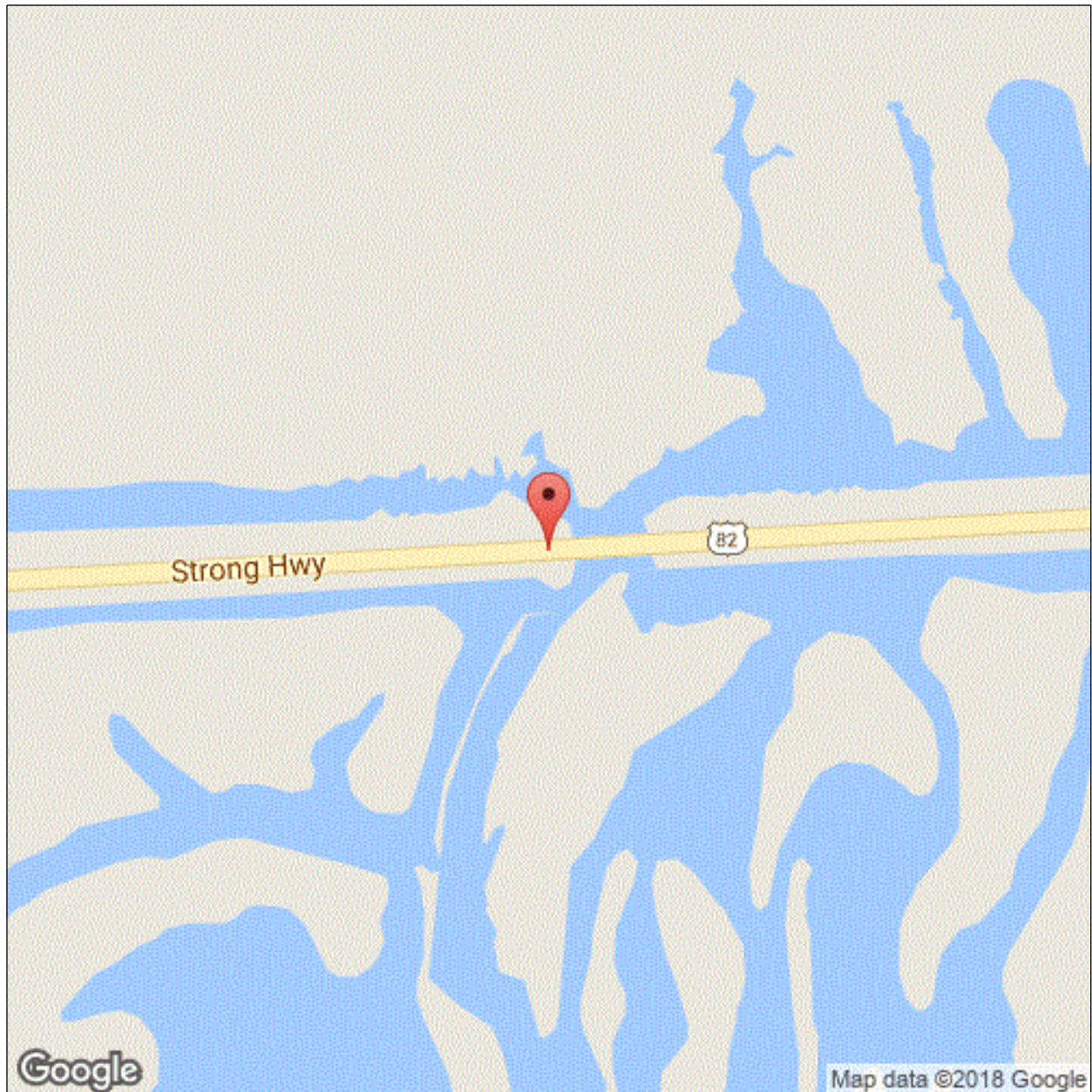
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Executive Summary

Logged west to east.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/26/2018
(8) STRUCTURE NUMBER	06451	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 82 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 139	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	OUACHITA REL	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 82 S-7 LM 13.91		
(9) LOCATION	219 MI S.W. OF ASHLEY CO		
(11) MILEPOINT 13.917	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000082070 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.14968	(17) LONGITUDE -92.12939		
(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: 5 - Prestressed concrete		(59) SUPERSTRUCTURE	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	8
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	8
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 9		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1997	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 2800	(19) BYPASS DETOUR LENGTH 26	(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 21		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 70	(49) STRUCTURE LENGTH (ft.) 352	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(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:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 41.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	94.5
		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	02
(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 3305	(115) YEAR OF FUTURE ADT 2028	(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	1
		(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
16 - Reinforced Concrete Top Flange	1- Ben.	14084	sq. ft.	13664	420	0	0
Minor hairline cracking in the Top Flange all spans.							
1130 - Cracking (RC and Other)		420			420		
109 - Prestressed Concrete Open Girder/Beam	1- Ben.	2113	ft.	2113			
205 - Reinforced Concrete Column	1- Ben.	16	each	16			
215 - Reinforced Concrete Abutment	1- Ben.	82	ft.	82			
220 - Reinforced Concrete Pile Cap/Footing	1- Ben.	152	ft.	152			
227 - Reinforced Concrete Pile	1- Ben.	32	each	32			
234 - Reinforced Concrete Pier Cap	1- Ben.	166	ft.	166			
302 - Compression Joint Seal	1- Ben.	258	ft.	221	0	37	0
Bent 4 Compression Joint material in WB Lanes is cracking and torn, from outside white line to just past the yellow line. Joints 2, 4 and 6, torn.							
2330 - Seal Damage		37				37	
311 - Movable Bearing	1- Ben.	30	each	30			
313 - Fixed Bearing	1- Ben.	30	each	30			
321 - Reinforced Concrete Approach Slab	1- Ben.	3024	sq. ft.	2973	51	0	0
Both approach slabs have cracks.							
1130 - Cracking (RC and Other)		51			51		
331 - Reinforced Concrete Bridge Railing	1- Ben.	704	ft.	704			

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Pictures

PHOTO 1

Description

PHOTO 1

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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 2/29/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Abutment 1 end, Lt side Approach guardrail.
Collision damage.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 2/29/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Abutment 1 end, Rt side Terminal Anchor post.
Broke.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 1 Lt. Guardrail has old collision damage to the rail and post.