

Bridge Inspection Report

01913
US 412-08- LM 2.58
over
LATERAL NO 3



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

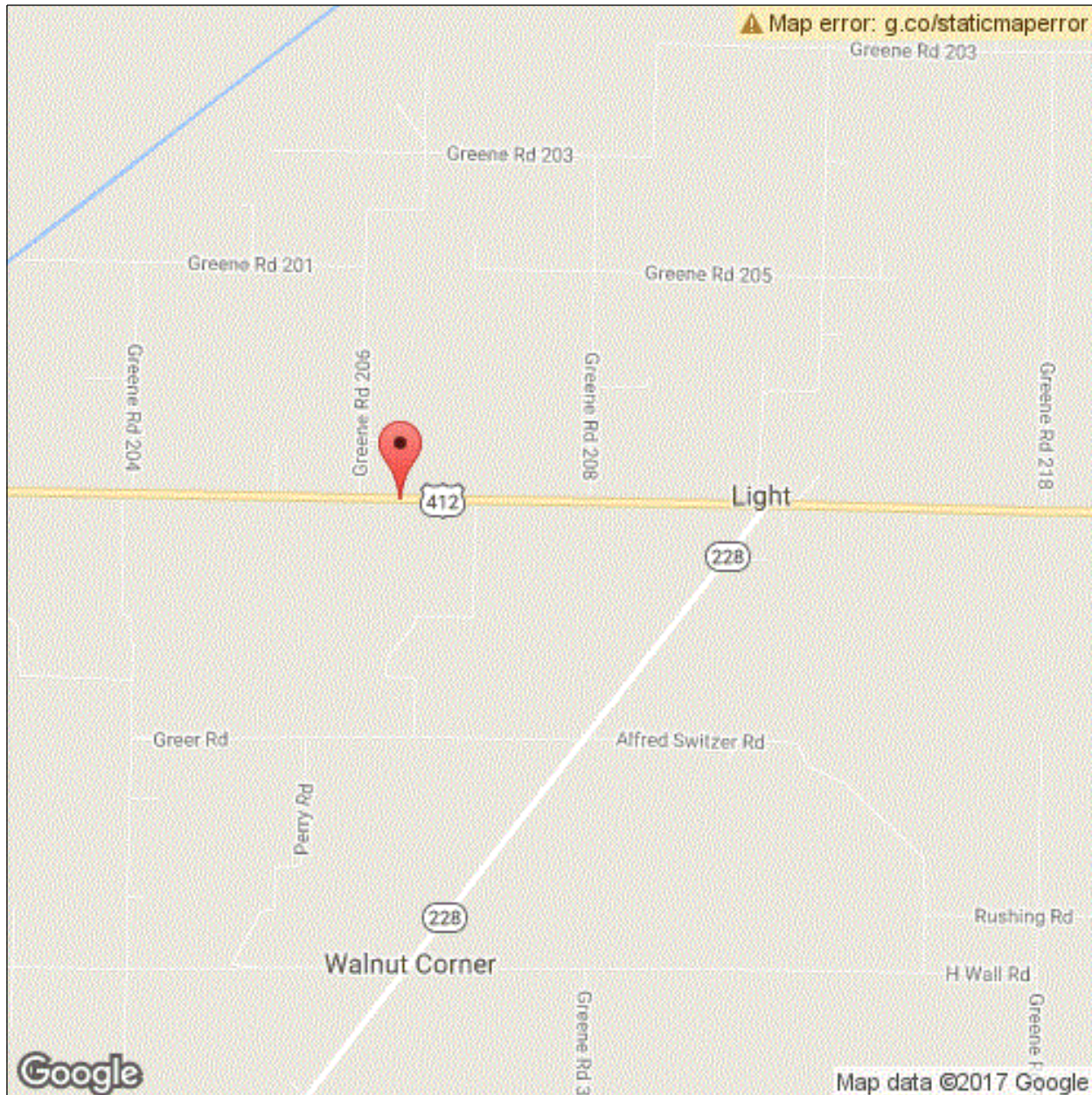
Structure Number: 01913

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Facility Carried: US 412-08- LM 2.58

Bridge Inspection Report

Location Map



Latitude: 36.06984

Longitude: -90.77647

Inspector:

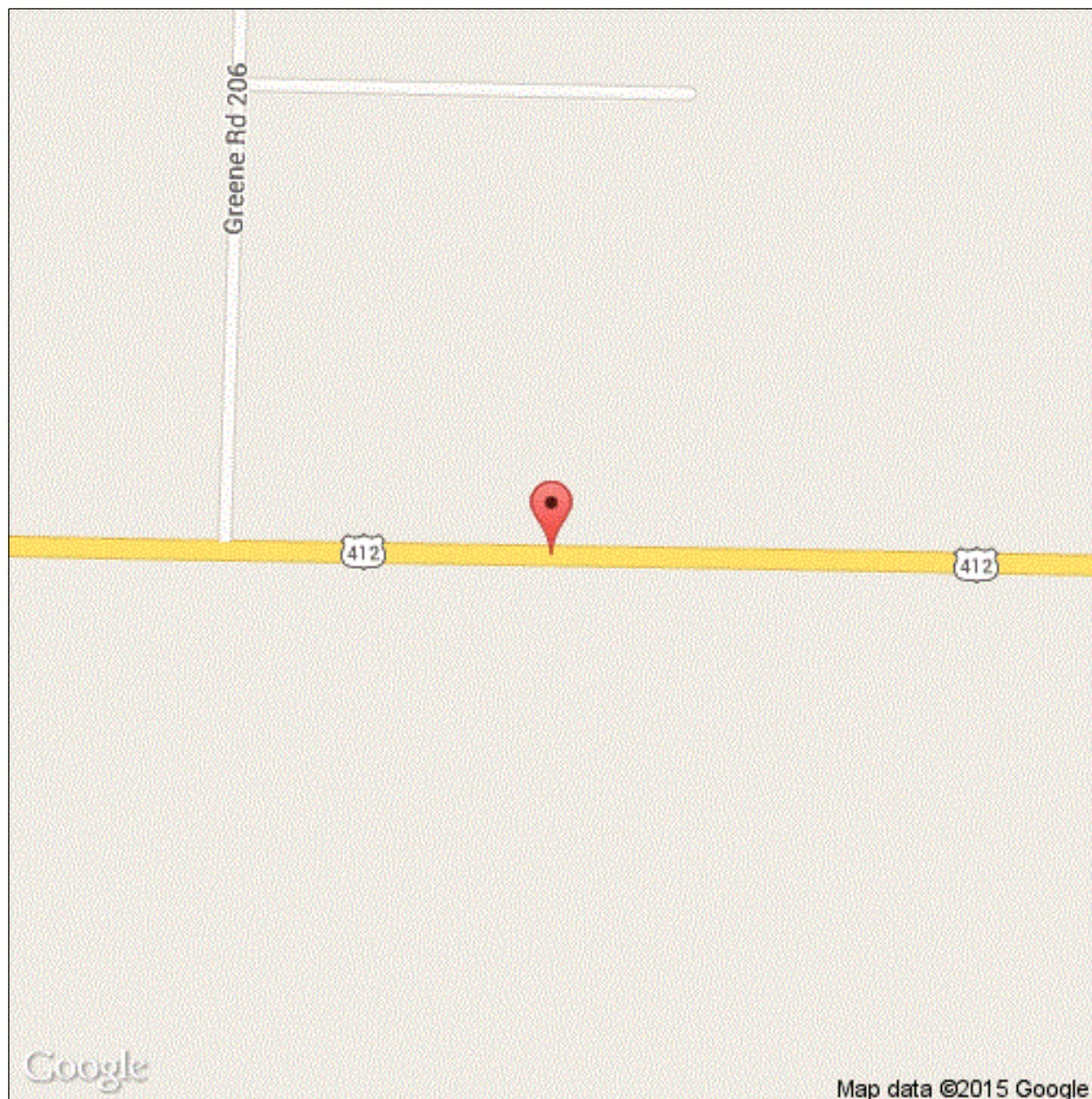
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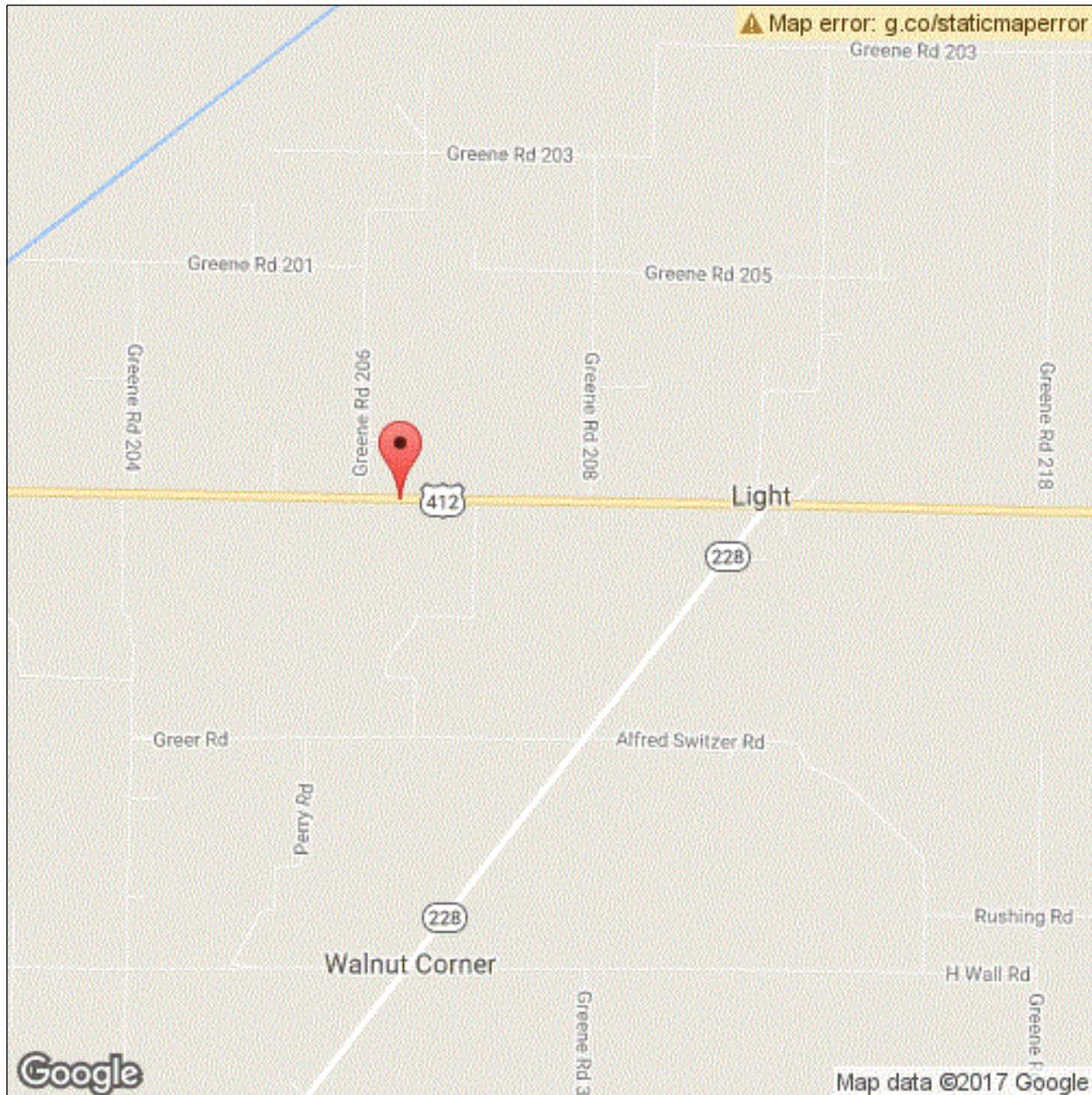
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Executive Summary

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/08/2017
(8) STRUCTURE NUMBER	01913	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 412 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 055	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LATERAL NO 3	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 412-08- LM 2.58		
(9) LOCATION	2.58 MI E CACHE RIVER		
(11) MILEPOINT 2.580	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000412080 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	36.06984 (17) LONGITUDE -90.77647		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1936 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	2
(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	51
(29) AVERAGE DAILY TRAFFIC	3400 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	30
(109) AVERAGE DAILY TRUCK TRAFFIC	22	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	30 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.6 RIGHT 0.6	(68) DECK GEOMETRY	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.3	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	26.2	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	24.3	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	75.4
		STATUS	2
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	31 (75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	120	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	176	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	411	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	4600 (115) YEAR OF FUTURE ADT	(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
16 - Reinforced Concrete Top Flange	1- Ben.	2540	sq. ft.	2482	58	0	0
1120 - Efflorescence/Rust Staining		58			58		
510 - Wearing Surfaces		2251	sq. ft.	1429	0	822	0
3220 - Crack (Wearing Surface)		822				822	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	359	ft.	357	0	2	0
1090 - Exposed Rebar		2				2	
215 - Reinforced Concrete Abutment	1- Ben.	94	ft.	94			
227 - Reinforced Concrete Pile	1- Ben.	10	each	0	10	0	0
1190 - Abrasion/Wear (PSC/RC)		10			10		
234 - Reinforced Concrete Pier Cap	1- Ben.	68	ft.	68			
311 - Movable Bearing	1- Ben.	12	each	0	0	12	0
1000 - Corrosion		12				12	
313 - Fixed Bearing	1- Ben.	12	each	0	0	12	0
1000 - Corrosion		12				12	
333 - Other Bridge Railing	1- Ben.	186	ft.	0	186		

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Pictures

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Sketches

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Maintenance Needs

Date Reported: 8/20/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Left side of Span 1 Girder 1 over Bent 2 haunch is shelled out with loss of section to rebar due to steel placement, as built condition.

Left side of Span 2 Girder 1 near Bent 3 has a shelled off area with rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

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Maintenance Needs

Date Reported: 8/20/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Log Mile Posting
is incorrect at 2.67, correct LM=2.58.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/20/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Top of Deck Asphalt Overlay
has moderate size and density cracks mainly over joints and wheel path.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/20/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Bearings are rusted with some section loss.
Anchor bolts and nuts are rusted with section loss.
Span 1 Girder 3 over Bent 2 side plate has 2 bolts and nuts rusted off.
Span 1 Girder 4 over Bent 2 side plate has 1 bolt and nut sheared off.

Work Description:

Date Repairs Completed:

Maintenance Comments:
