

Bridge Inspection Report

M0230
SH 8 S-6 LM 5.37
over
Jordan Creek



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

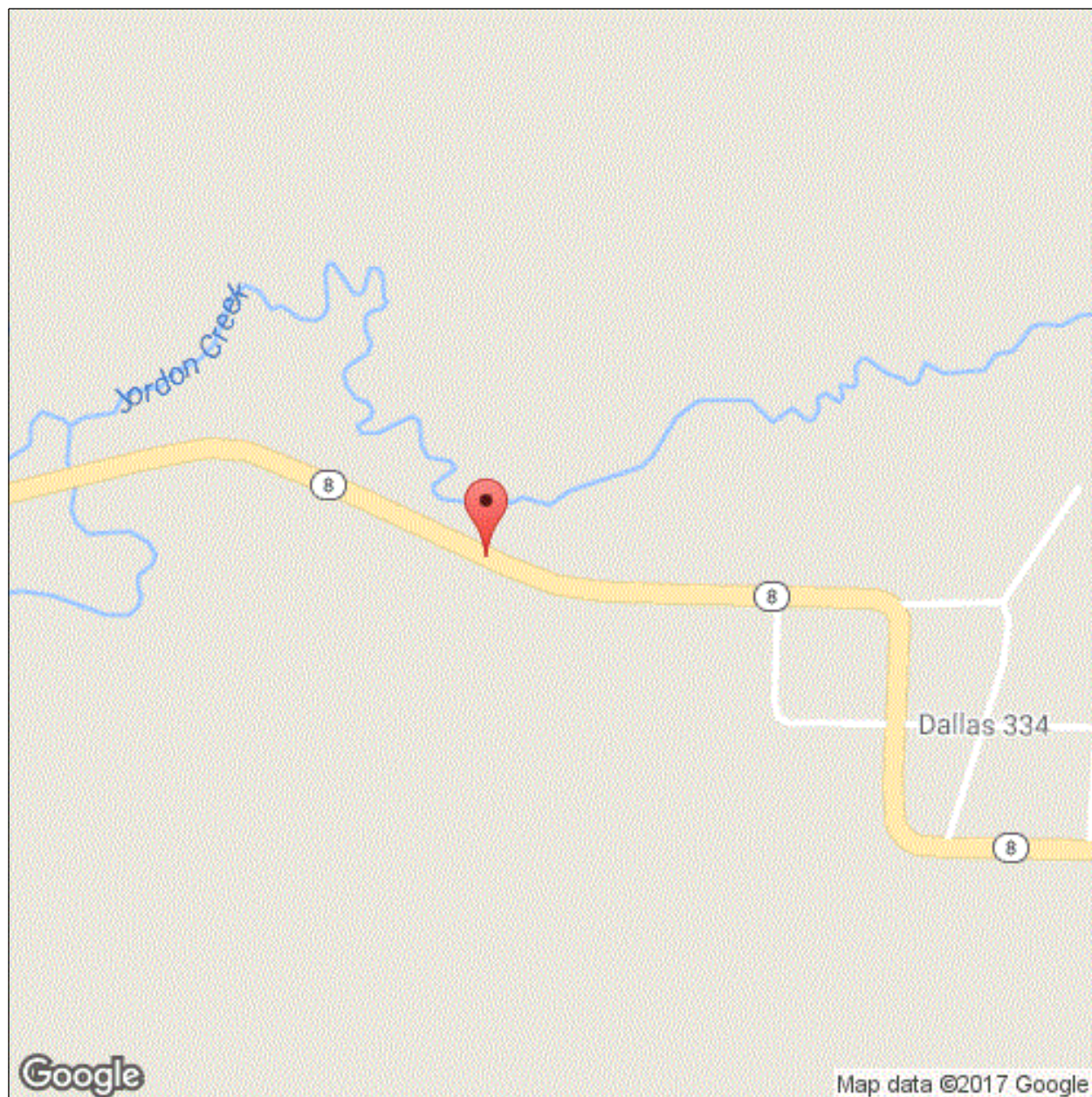
Structure Number: M0230

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.37

Bridge Inspection Report

Location Map



Latitude: 34.02265

Longitude: -92.79808

Inspector:

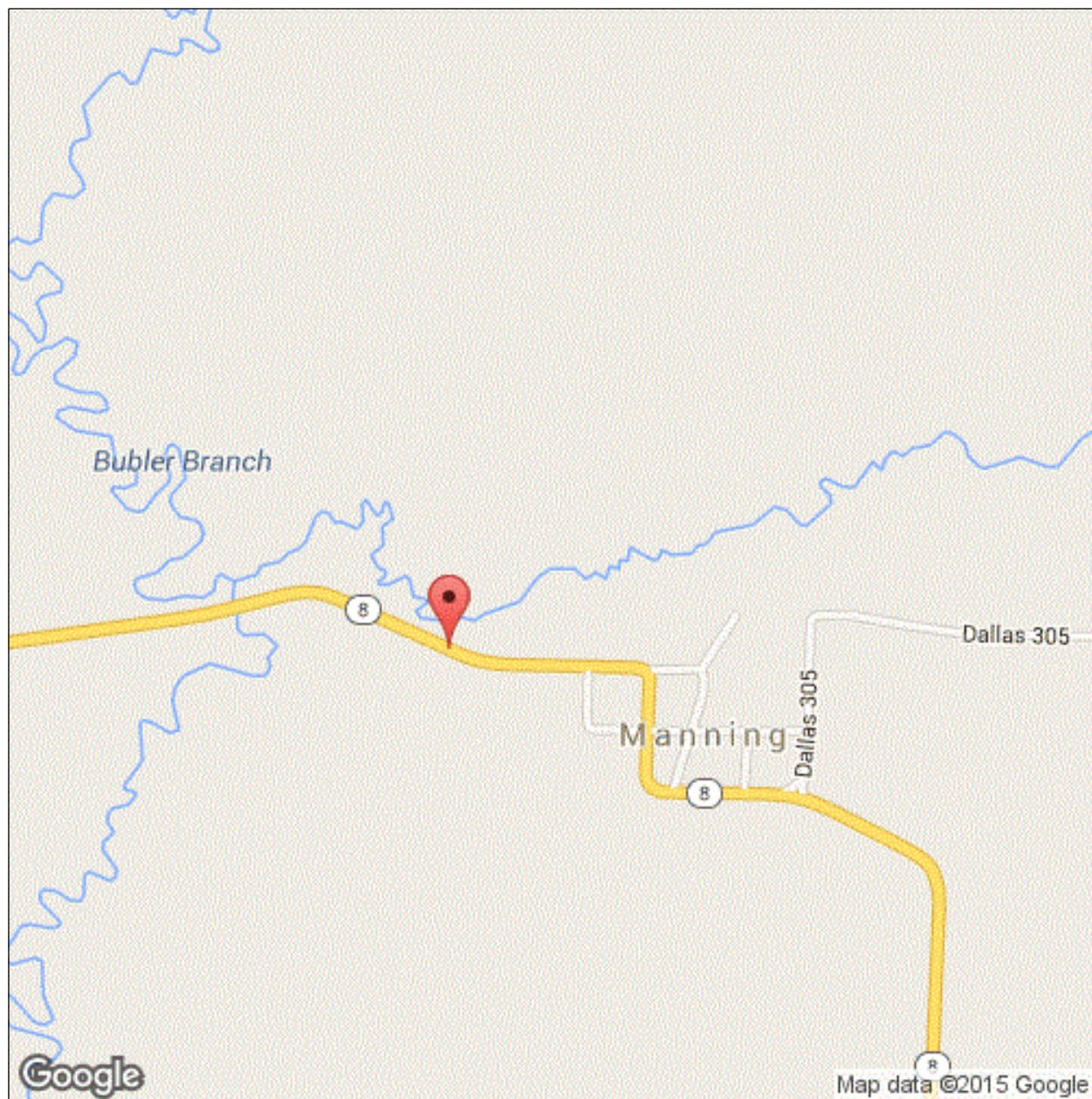
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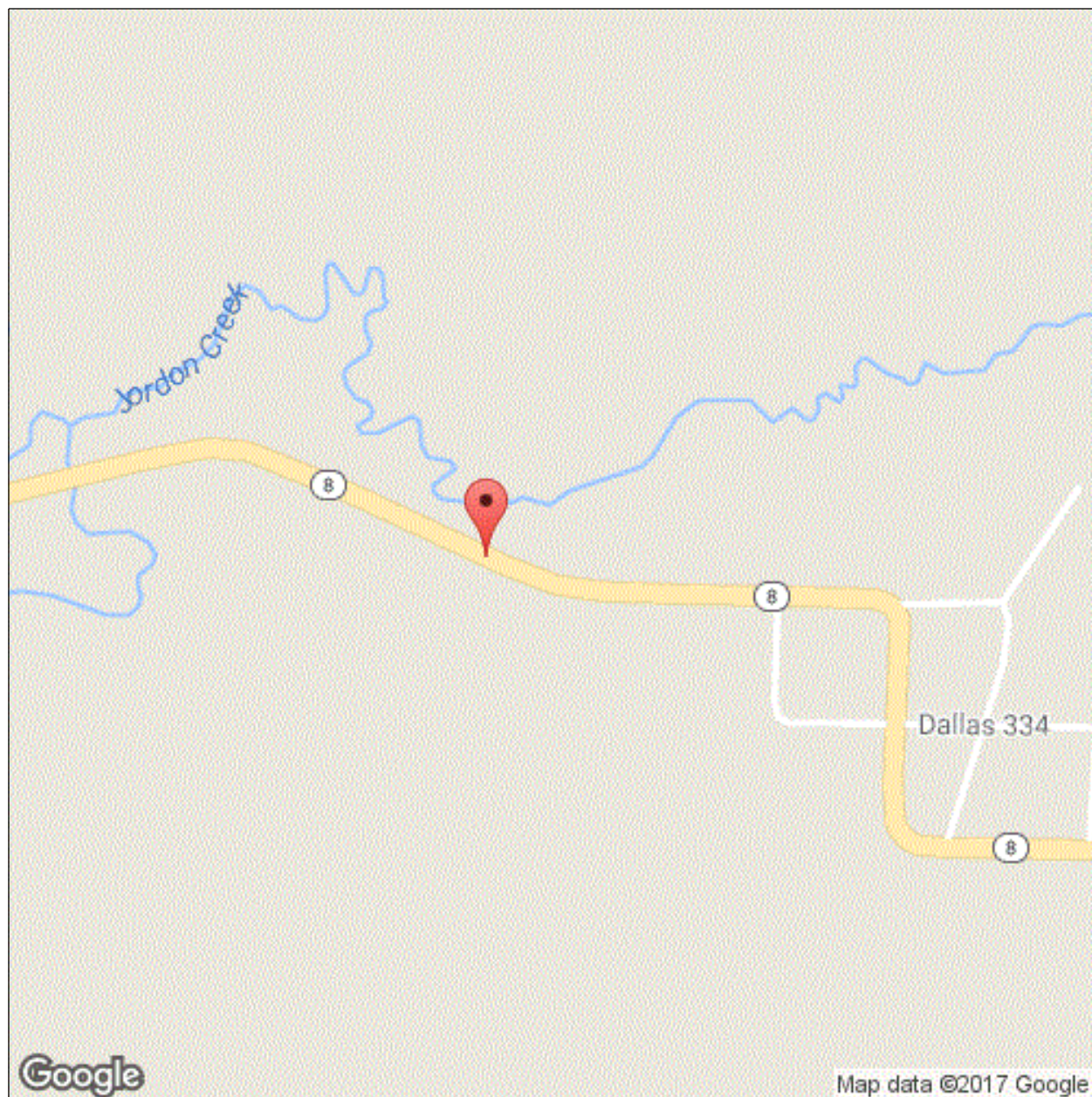
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Executive Summary

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	12/13/2017
(8) STRUCTURE NUMBER	M0230	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 8 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07	(3) COUNTY CODE	039
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	Jordan Creek	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	SH 8 S-6 LM 5.37	C. OTHER SPECIAL	N
(9) LOCATION	5.37 Mi E of Jct SH 7	CONDITION	
(11) MILEPOINT	5.370	(58) DECK	5
(12) BASE HIGHWAY NETWORK	1	(59) SUPERSTRUCTURE	5
(13A) LRS INVENTORY ROUTE	0000008060	(60) SUBSTRUCTURE	6
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	6
(16) LATITUDE	34.02265	(62) CULVERT	N
(17) LONGITUDE	-92.79808	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	38.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	23.0
B) TYPE OF DESIGN/CONSTR:	22 - Channel Beam	(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	7	(68) DECK GEOMETRY	4
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(107) DECK STRUCTURE TYPE	2	(71) WATERWAY ADEQUACY	6
(108A) WEARING SURFACE	6	(72) APPROACH ROADWAY ALIGNMENT	5
(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	1954	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	5
(28) LANES	ON 02 UNDER 00	SUFFICIENCY RATING	57.8
(29) AVERAGE DAILY TRAFFIC	230	STATUS	0
(19) BYPASS DETOUR LENGTH	17	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	06
(48) LENGTH OF MAX SPAN (ft.)	19	(100) STRAHNET HIGHWAY DESIGNATION	0
(49) STRUCTURE LENGTH (ft.)	133	(101) PARALLEL STRUCTURE DESIGNATION	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(102) DIRECTION OF TRAFFIC	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	23.6	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	25.2	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	32.2	(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.)	25.6	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	1
(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	(75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	339		
(115) YEAR OF FUTURE ADT	2028		

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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.	3352	sq. ft.	3352			
510 - Wearing Surfaces		3059	sq. ft.	3059			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	931	ft.	731	70	130	0
	Units 6-7 span 6 have exposed steel with section loss and pack rust. 12/13/2017 JPR -- 70' of delamination, 100' of spall with exposed rebar with section loss, and 30' of spall, all spans.						
1080 - Delamination/Spall/Patched Area		100			70	30	
1090 - Exposed Rebar		100				100	
215 - Reinforced Concrete Abutment	1- Ben.	50	ft.	46	0	4	0
	Spalls with exposed steel 4'.						
1090 - Exposed Rebar		4				4	
228 - Timber Pile	1- Ben.	34	each	29	0	5	0
	Some rotten piles have supplemental(stub) piles set on a concrete footer. 12/13/2017 JPR -- Bent 6 Pile 1 - 1/2 of outer shell is rotten with core still having bearing to cap. Bent 6, Pile 2 is supplemental Pile but has little bearing with the cap. Bent 6 Pile 4 has no bearing with the cap, this is a supplemental Pile.						
1140 - Decay/Section Loss		5				5	
234 - Reinforced Concrete Pier Cap	1- Ben.	151	ft.	126	0	25	0
	Spalled areas. 12/13/2017 --JPR M0230 bent 4 cap right side.						
1080 - Delamination/Spall/Patched Area		25				25	
330 - Metal Bridge Railing	1- Ben.	266	ft.	133	133	0	0
	Rusty						
1000 - Corrosion		133			133		

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Pictures

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Sketches

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Maintenance Needs

Date Reported: 10/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Pile 5 bent 5 has a rotten area with vegetation growing in the hole. Piles 2 & 4 bent 6 have no bearing. These are supplemental (stub) piles. 12/13/2017 JPR -- Bent 6 Pile 1 rotten 1/2 of outer shell, with core still having bearing to cap.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 6 Pile 1 rotten 1/2 of outer shell, with core still having bearing to cap.

Stage: Monitor



PHOTO 2 Description Bent 6 Pile 4 has no bearing with the cap, this is a supplemental Pile.

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Maintenance Needs

Stage: Monitor



PHOTO 3 Description Bent 6, Pile 2 is supplemental Pile but has little bearing with the cap.

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Maintenance Needs

Date Reported: 4/3/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

PC Units Spans 1, 2, 5, 6 & 7

Numerous units have large spalls with exposed steel, moderate section loss.

Work Description:

Date Repairs Completed:

Maintenance Comments:
