

# Bridge Inspection Report

**03340**  
**SH 28-Scott Co.**  
**over**  
**Kelly Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

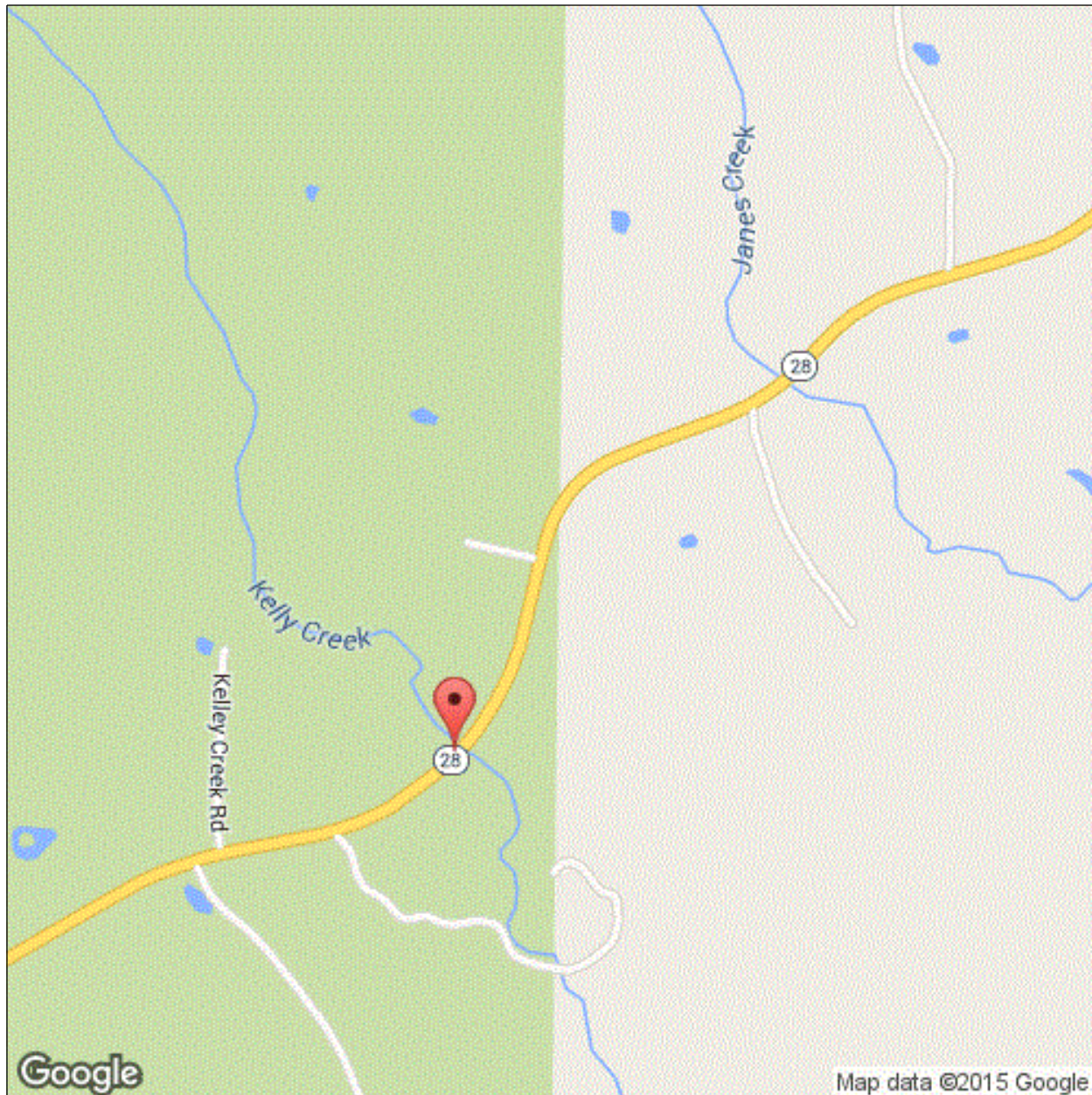
Structure Number: 03340

Inspection Date:

Facility Carried: SH 28-Scott Co.

## Bridge Inspection Report

### Location Map



Latitude: 34.86301

Longitude: -93.76279



Inspector:

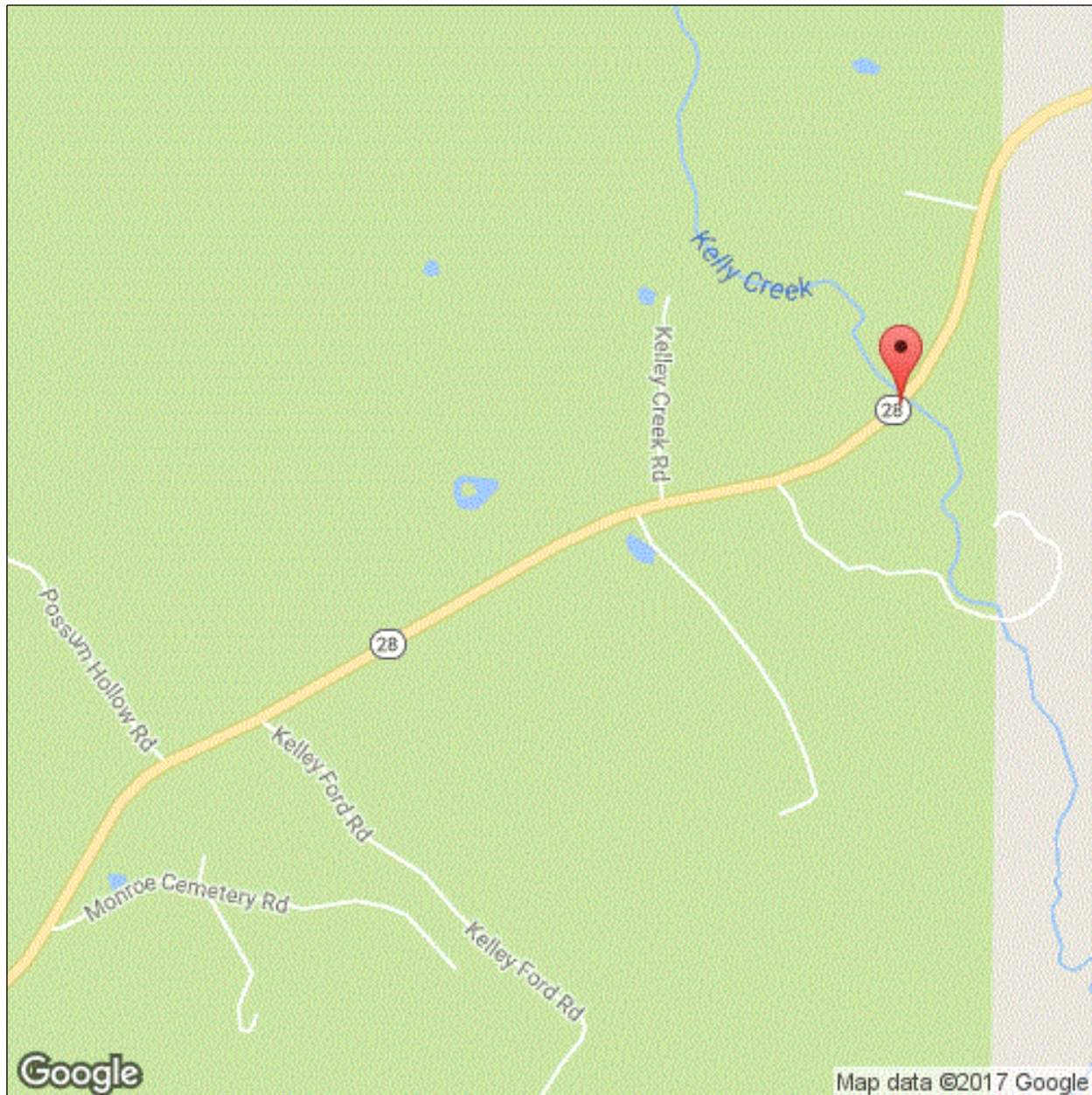
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## Bridge Inspection Report

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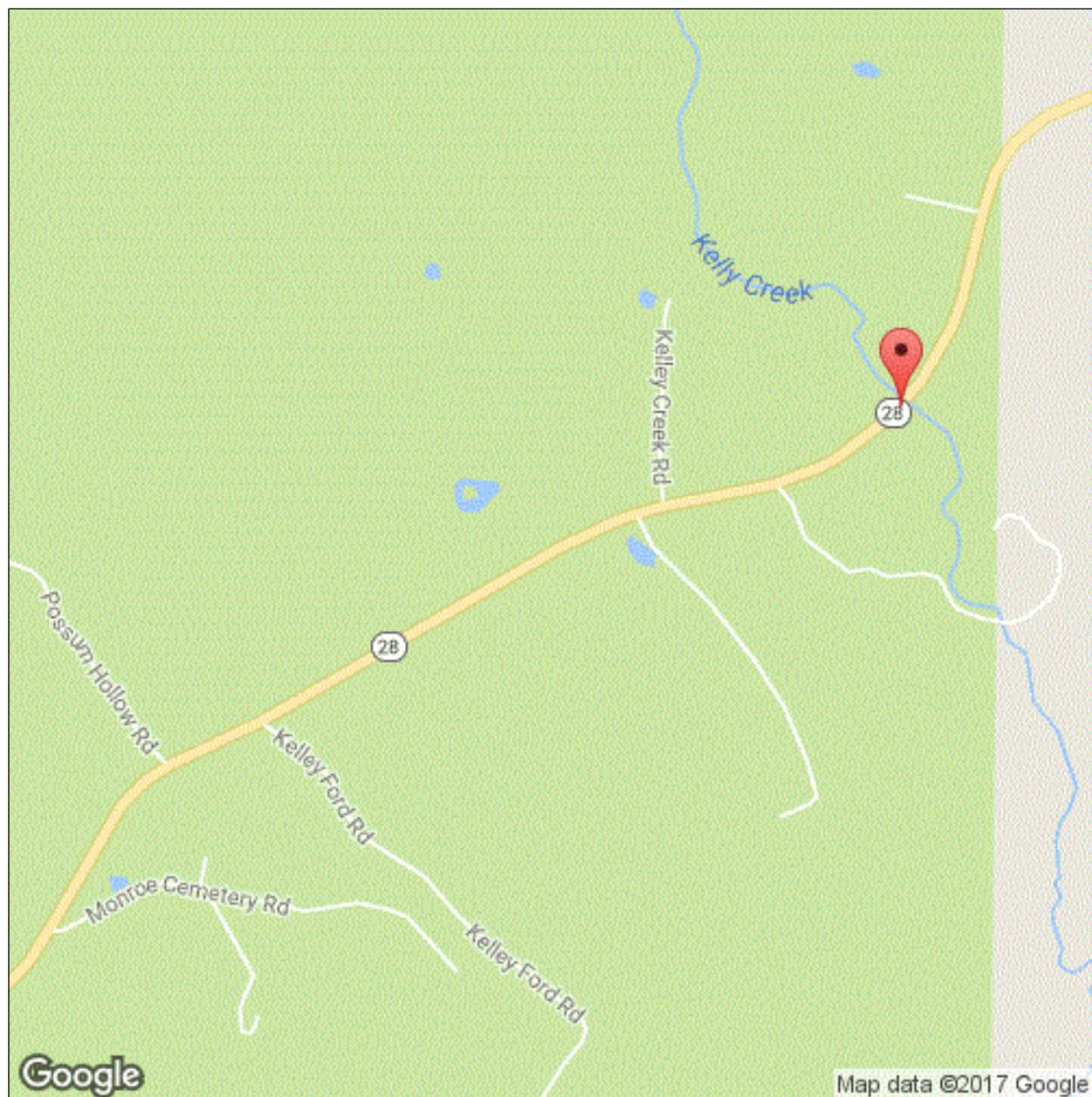
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### Location Map



Latitude: 34.86301

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**Bridge Inspection Report**

**Executive Summary**

1206/2017 JPB & SPC-Routine Inspection conducted on this date.

12/21/2015 - JCJ & JML - Type 2 Underwater Inspection - Wading and probing during deep and clear water conditions indicate that the footings have cover with no apparent scour problems at this inspection.

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	12/06/2017
(8) STRUCTURE NUMBER	03340	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 28 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	04 (3) COUNTY CODE 127	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Kelly Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 28-Scott Co.		
(9) LOCATION	1.5 MI W OF NOLA		
(11) MILEPOINT 20.186	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.86301	(17) LONGITUDE -93.76279		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(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 1961	(106) YEAR RECONSTRUCTED 0000	(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	48.0
(29) AVERAGE DAILY TRAFFIC 280	(19) BYPASS DETOUR LENGTH 14	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	29.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 28	(49) STRUCTURE LENGTH (ft.) 84	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1 RIGHT 1		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	26.5	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	24.0	(72) APPROACH ROADWAY ALIGNMENT	6
(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.9	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	8
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	81.7 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	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(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 366	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(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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## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>38 - Reinforced Concrete Slab</b>	1- Ben.	2016	sq. ft.	1386	588	42	0
	-Concrete slab span with light surface scaling / abrasion on the driving surface of deck. -Repairs to spalls adjacent to expansion joints on the driving surface of the deck are beginning to fail. -Diagonal surface cracks are visible in the corners of Span 3 adjacent to Bent 3. -The Lt side of Span 1 has a 15' long x 2' wide area of heavy scale in the gutter near mid-span.						
1080 - Delamination/Spall/Patched Area		39			39		
1090 - Exposed Rebar		1			1		
1130 - Cracking (RC and Other)		60			48	12	
1190 - Abrasion/Wear (PSC/RC)		530			500	30	
<b>205 - Reinforced Concrete Column</b>	1- Ben.	4	each	2	2	0	0
	-The base of columns have light abrasion in the channel at the water elevation.						
1190 - Abrasion/Wear (PSC/RC)		2			2		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	60	ft.	60			
	-The abutments have no apparent noteworthy deficiencies at this inspection.						
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	50	ft.	39	7	4	0
	-Substructure caps have efflorescence and water stains that appear to be an indication of leaking expansion joint sealant. -There is a 12" spall with no exposed reinforcing steel at the Rt side of Bent 2 cap. -The Lt side of Bent 3 has soft deteriorated concrete with up to 4" of concrete section loss at this inspection. The ends of two reinforcement bars are visible at the base of cap. No apparent significant section loss to the exposed reinforcing steel. -The Span 3 side of Bent 3 cap has a 24" spall with exposed reinforcing steel near the centerline of cap. No apparent section loss to the exposed reinforcing steel.						
1080 - Delamination/Spall/Patched Area		3				3	
1090 - Exposed Rebar		1				1	
1120 - Efflorescence/Rust Staining		1			1		
1130 - Cracking (RC and Other)		6			6		
<b>330 - Metal Bridge Railing</b>	1- Ben.	168	ft.	134	34	0	0
	-There are areas with superficial rust on the metal portions of the bridge railing. -The concrete bridge rail posts on the Lt side of Span 3 have areas with minor spalling at the base of the posts.						
1000 - Corrosion		34			34		



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### Pictures

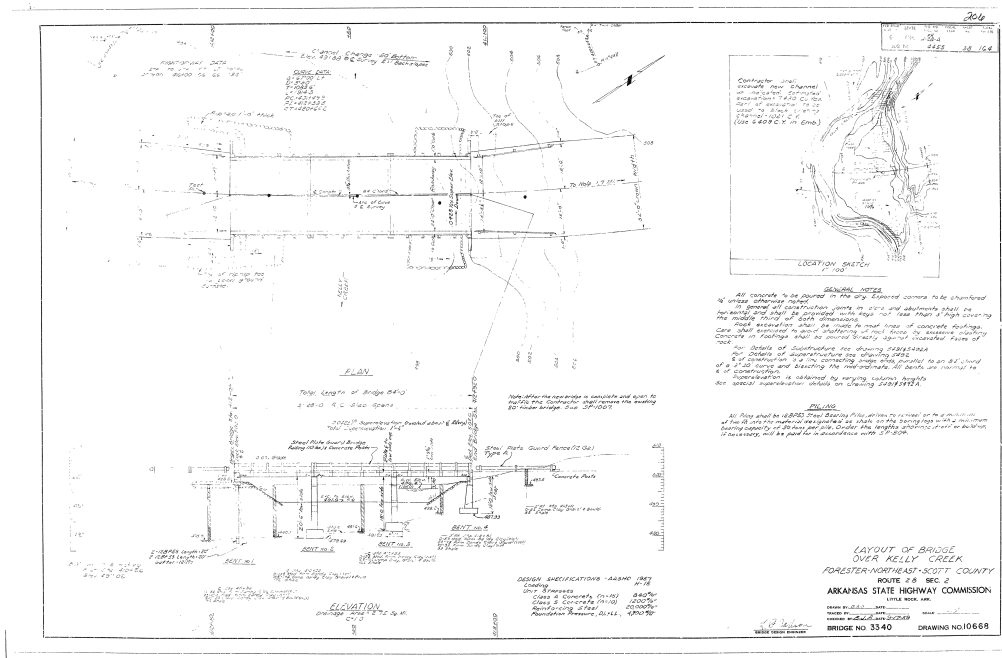


PHOTO 1

Description DRWG10668.TIF

PHOTO 2

Description DRWG10668.pdf

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**Bridge Inspection Report**

**Sketches**

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 2/28/2012 12:00:00 AM

Priority: D - Routine

Work Code: Repair

### Deficiency Description:

Substructure caps.

-Substructure caps have efflorescence and water stains that appear to be an indication of leaking expansion joint sealant.

-A 12" spall with no visible reinforcing steel in the Rt side of Bent 2 cap.

-Map cracking with soft deteriorated concrete, concrete section loss and efflorescence in the Lt end of Bent 3 cap. The ends of two reinforcement bars are visible at the base of cap. No apparent section loss to the exposed reinforcing steel. Area of deterioration is approximately 6" deep.

-The Span 3 side of Bent 3 cap has a 24" spall with exposed reinforcing steel near the centerline of cap. No apparent section loss to the exposed reinforcing steel.

### Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Substructure caps have efflorescence and water stains that appear to be an indication of leaking expansion joint sealant.

Stage: Assigned



PHOTO 2 Description There is a 12" spall with no exposed reinforcing steel at the Rt side of Bent 2 cap.



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## Bridge Inspection Report

### Maintenance Needs

Stage: Assigned



**PHOTO 3**      Description      The Lt side of Bent 3 has soft deteriorated concrete with up to 4" of concrete section loss at this inspection. The ends of two reinforcement bars are visible at the base of cap. No apparent significant section loss to the exposed reinforcing steel.

Stage: Assigned



**PHOTO 4**      Description      The Span 3 side of Bent 3 cap has a 24" spall with exposed reinforcing steel near the centerline of cap. No apparent section loss to the exposed reinforcing steel.

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 12/16/2013 12:00:00 AM

Priority: D - Routine

Work Code: Repair

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### Deficiency Description:

Deck

The left gutter has areas with heavy scale.

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      The left gutter has areas with heavy scale.