

Bridge Inspection Report

05055
SH 299-SEC 0- 0.17
over
I 30-SEC 12- 36.34



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

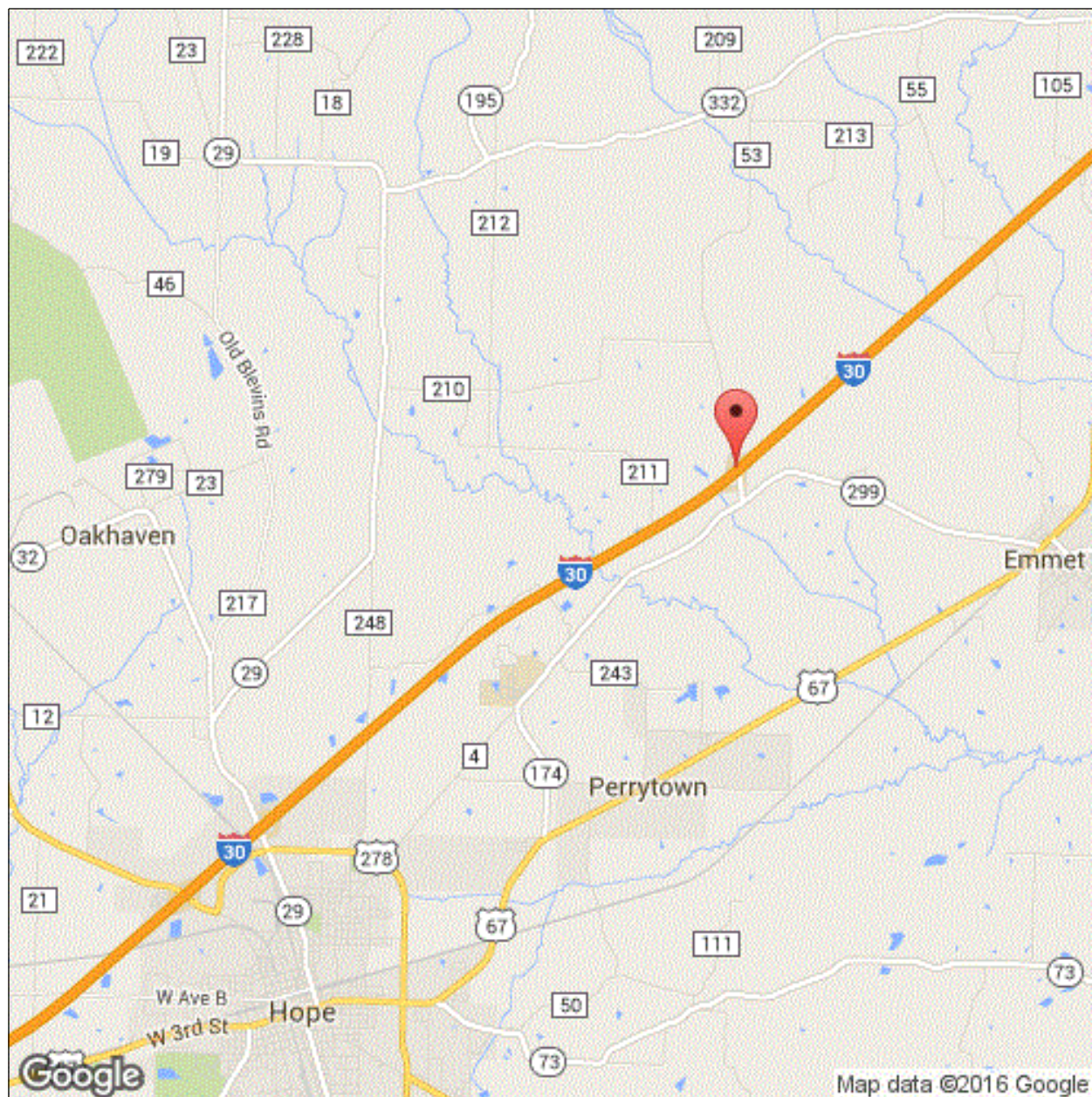
Structure Number: 05055

Inspection Date:

Facility Carried: SH 299-SEC 0-0.17

Bridge Inspection Report

Location Map



Latitude: 33.73819

Longitude: -93.52303

Inspector:

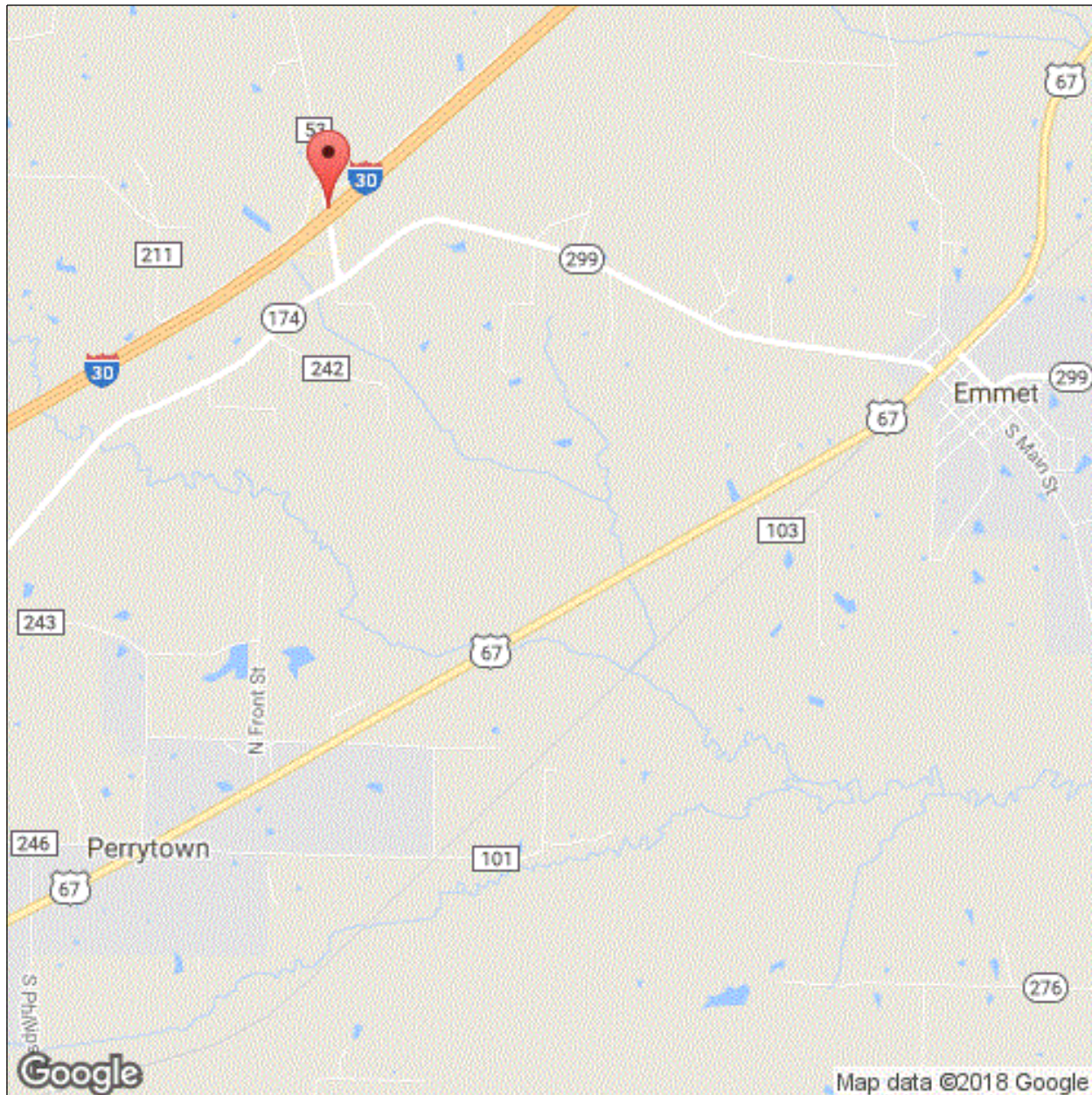
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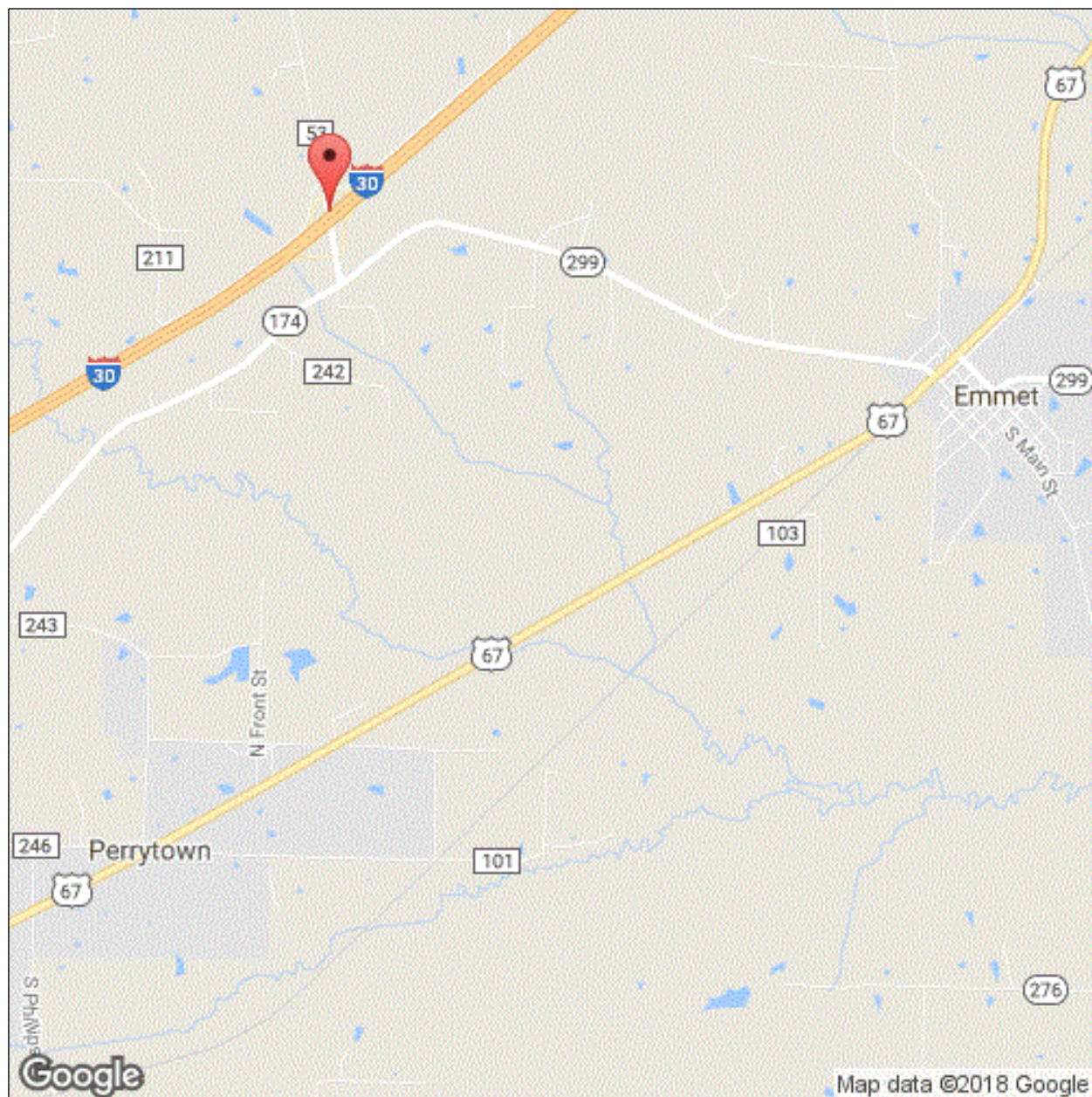
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/18/2018
(8) STRUCTURE NUMBER	05055	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 299 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 057	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I 30-SEC 12- 36.34	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 299-SEC 0- 0.17		
(9) LOCATION	3.17 MI W US 67 JCT		
(11) MILEPOINT 0.170	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.73819	(17) LONGITUDE -93.52303		
(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: 4 - Steel continuous		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	N
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder			
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 2		
(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 1971	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 04		(64) OPERATING RATING	52.0
(29) AVERAGE DAILY TRAFFIC 240	(19) BYPASS DETOUR LENGTH 8	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	32
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
GEOMETRIC DATA		(41) STRUCTURE OPEN/POSTED/CLOSED	A
(48) LENGTH OF MAX SPAN (ft.) 98	(49) STRUCTURE LENGTH (ft.) 362		
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.5 RIGHT 0.5			
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31.1		
(32) APPROACH ROADWAY WIDTH (ft.)	24.9		
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 29		
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	28.9		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	H 16.00		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 30.2		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	29.8		
PROPOSED IMPROVEMENTS		APPRAISAL	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(67) STRUCTURAL EVALUATION	7
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(68) DECK GEOMETRY	6
(94) BRIDGE IMPROVEMENT COST (\$)	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	5
(95) ROADWAY IMPROVEMENT COST (\$)	0	(71) WATERWAY ADEQUACY	N
(96) TOTAL PROJECT COST	0	(72) APPROACH ROADWAY ALIGNMENT	8
(97) YEAR OF IMPROVEMENT COST ESTIMATE	0000	(36) TRAFFIC SAFETY FEATURE	
(114) FUTURE ADT 1497	(115) YEAR OF FUTURE ADT 2028	36A) BRIDGE RAILINGS:	1
		36B) TRANSITIONS:	1
		36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	N
		SUFFICIENCY RATING	95.8
		STATUS	0
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
		(100) STRAHNET HIGHWAY DESIGNATION	0
		(101) PARALLEL STRUCTURE DESIGNATION	N
		(102) DIRECTION OF TRAFFIC	2
		(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	N
		(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

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	11068	sq. ft.	2326	8555	161	26
1080 - Delamination/Spall/Patched Area		1437		0	1250	161	26
1090 - Exposed Rebar		5		0	5	0	0
1120 - Efflorescence/Rust Staining		2000		0	2000	0	0
1130 - Cracking (RC and Other)		5300		0	5300	0	0
107 - Steel Open Girder/Beam	1- Ben.	1424	ft.	1424	0	0	0
515 - Steel Protective Coating		17840	sq. ft.	17840	0	0	0
205 - Reinforced Concrete Column	1- Ben.	8	each	7	1	0	0
1090 - Exposed Rebar		1		0	1	0	0
215 - Reinforced Concrete Abutment	1- Ben.	109	ft.	109	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	124	ft.	124	0	0	0
300 - Strip Seal Expansion Joint	1- Ben.	128	ft.	96	32	0	0
2310 - Leakage		32		0	32	0	0
311 - Movable Bearing	1- Ben.	20	each	20	0	0	0
515 - Steel Protective Coating		60	sq. ft.	45	15	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		15		0	15	0	0
313 - Fixed Bearing	1- Ben.	12	each	12	0	0	0
515 - Steel Protective Coating		36	sq. ft.	26	10	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		10		0	10	0	0
330 - Metal Bridge Railing	1- Ben.	725	ft.	725	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	725	ft.	725	0	0	0

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Bridge Inspection Report

Element Inspection

approach

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	2933	sq. ft.	1007	1900		26
1080-- 300 SQFT PATCH AREA 26 SQFT UNSOUND AREA 1130 CRACKING IN TOP DECK							
1080 - Delamination/Spall/Patched Area		326			300		26
1120 - Efflorescence/Rust Staining		800			800		
1130 - Cracking (RC and Other)		800			800		
107 - Steel Open Girder/Beam	1- Ben.	384	ft.	384			
515 - Steel Protective Coating		4761	sq. ft.	4761			
215 - Reinforced Concrete Abutment	1- Ben.	109	ft.	109			
300 - Strip Seal Expansion Joint	1- Ben.	128	ft.	96	32		
BENT 5 JOINT LEAKING							
2310 - Leakage		32			32		
311 - Movable Bearing	1- Ben.	8	each	8			
515 - Steel Protective Coating		24	sq. ft.	9	15		0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		15			15		
313 - Fixed Bearing	1- Ben.	8	each	8			
515 - Steel Protective Coating		24	sq. ft.	14	10		0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		10			10		
330 - Metal Bridge Railing	1- Ben.	192	ft.	192			
331 - Reinforced Concrete Bridge Railing	1- Ben.	192	ft.	192			

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Bridge Inspection Report

Element Inspection

main

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	8135	sq. ft.	1319	6655	161	0
	1080-- PATCHED AREA 900 SQFT 161 FSQFT UNSOUND PATCHED AREA 1090 SPALLS WITH REBAR EXPOSED SPAN 3 ,BOTTOM SIDE OF DECK= 5 SQFT 1130 DECK CRACKING ALL SPANS 50 SF OF PATCHED AREAS ON TOP OF DECK						
1080 - Delamination/Spall/Patched Area		1111			950	161	
1090 - Exposed Rebar		5			5		
1120 - Efflorescence/Rust Staining		1200			1200		
1130 - Cracking (RC and Other)		4500			4500		
107 - Steel Open Girder/Beam	1- Ben.	1040	ft.	1040			
515 - Steel Protective Coating		13079	sq. ft.	13079			
205 - Reinforced Concrete Column	1- Ben.	8	each	7	1	0	0
	1090--BENT 5 COLUMN 2 HAS SPALLS WITH REBAR EXPOSED SPALLS WERE PAINTED IN PAST						
1090 - Exposed Rebar		1			1		
234 - Reinforced Concrete Pier Cap	1- Ben.	124	ft.	124			
311 - Movable Bearing	1- Ben.	12	each	12			
515 - Steel Protective Coating		36	sq. ft.	36			
313 - Fixed Bearing	1- Ben.	4	each	4			
515 - Steel Protective Coating		12	sq. ft.	12			
330 - Metal Bridge Railing	1- Ben.	533	ft.	533			
331 - Reinforced Concrete Bridge Railing	1- Ben.	533	ft.	533			

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Bridge Inspection Report

Pictures

Inspector:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/11/2001

Priority: D - Routine

Work Code: Repair

Deficiency Description:

CONCRETE DECK CRACKS IN ALL SPANS
NUMEROUS TRANSVERSE DECK CRACKS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Deck cracks span 5

Stage: Assigned



PHOTO 2 Description Span 3 deck cracks

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Maintenance Needs

Date Reported: 01/06/2010

Priority: G - General/ Preventive maintenance

Work Code: Clean

Deficiency Description:

SLOPE DRAINS FROM APPR. GUTTERS

DRAINS ARE STOPPED UP AT BOTTOM, ONE IS COMPLETELY COVERED UP..

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Slope drains