

Bridge Inspection Report

B5317
RODNEY PARHAM E.B.
over
I 430-LOG 7.68



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	8
ELEMENTS	10
PICTURES	11
SKETCHES	12

Inspector:

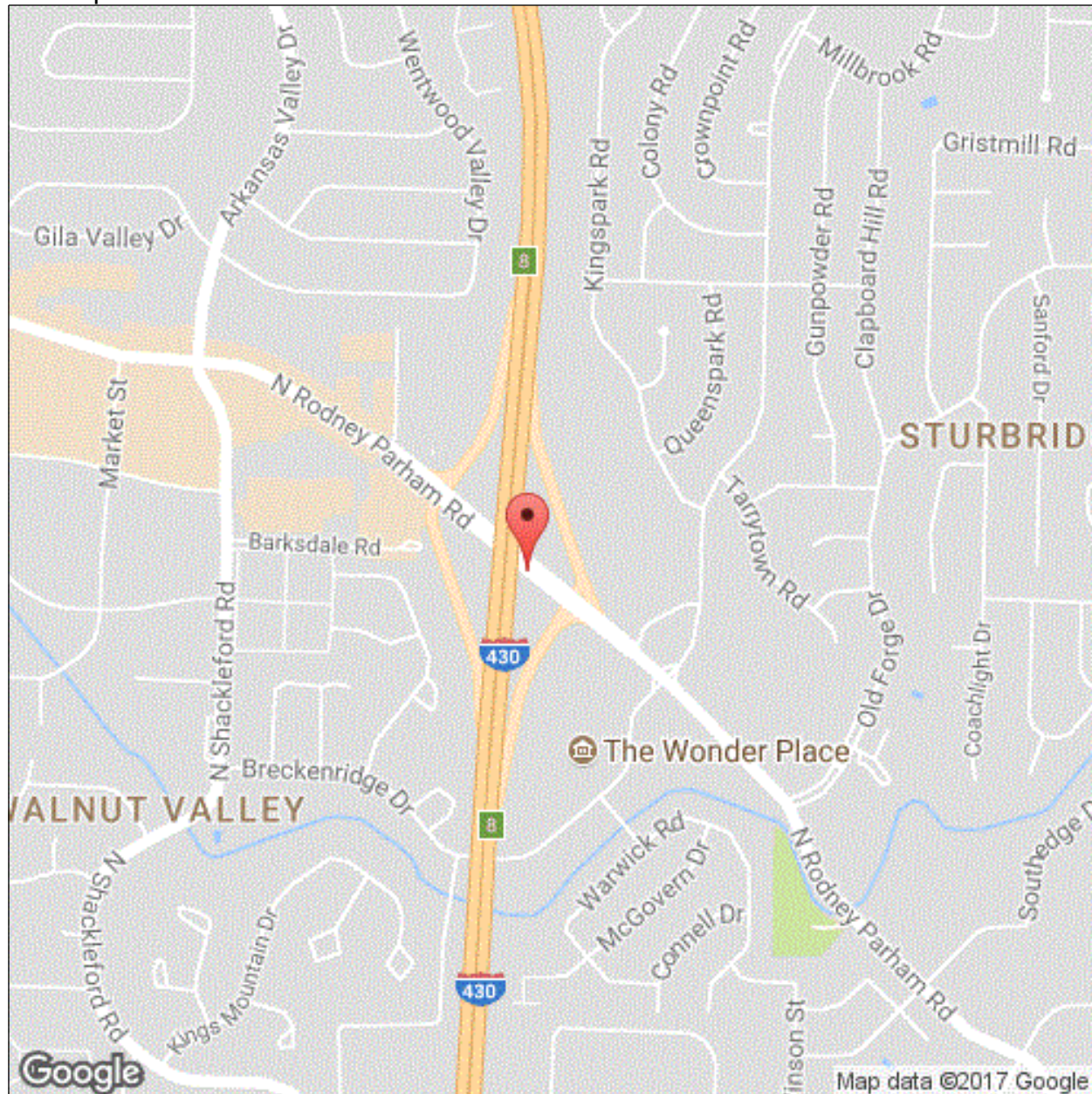
Structure Number: B5317

Inspection Date:

Facility Carried: RODNEY PARHAM
E.B.

Bridge Inspection Report

Location Map



Latitude: 34.76810

Longitude: -92.38985

Inspector:

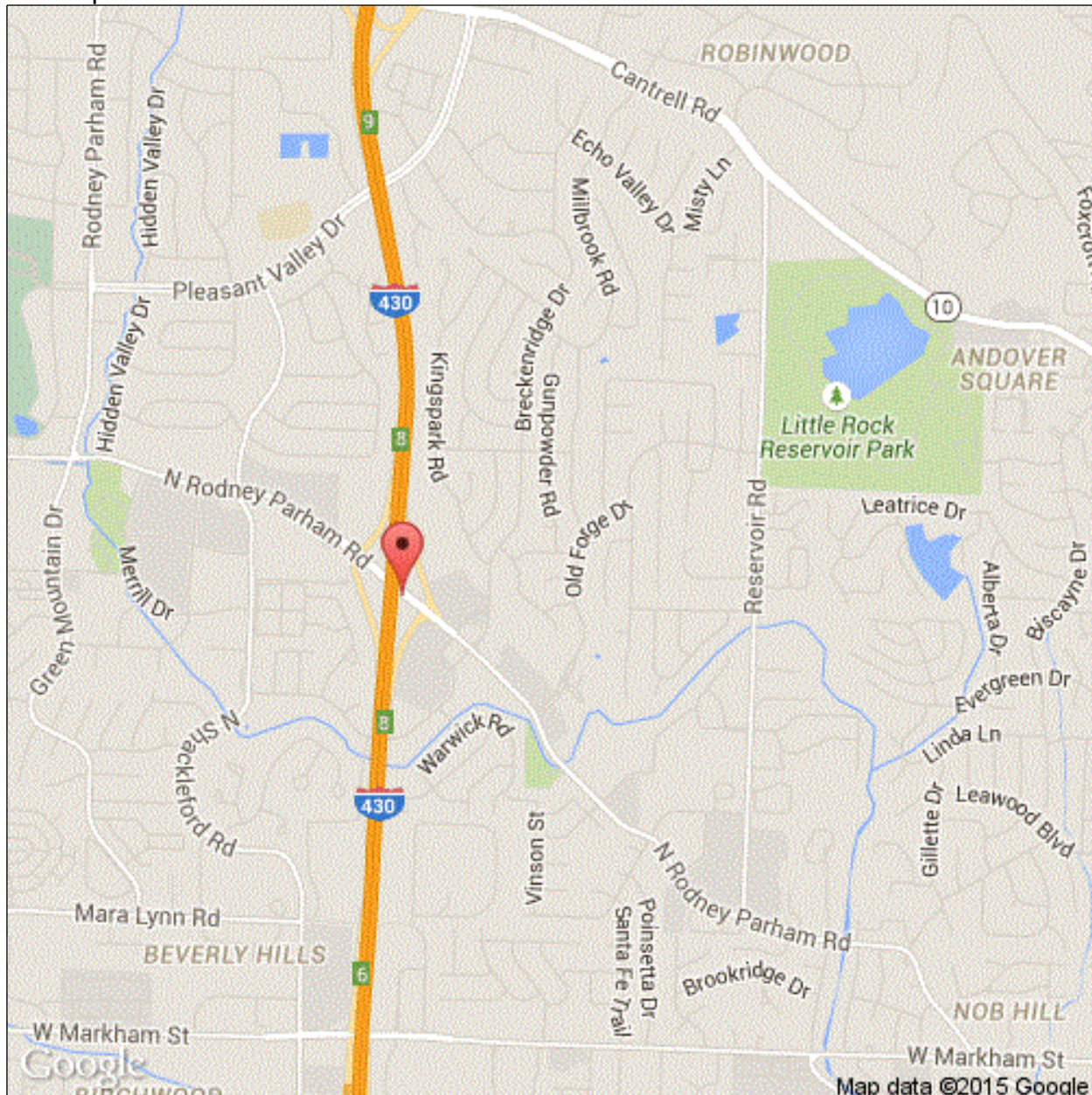
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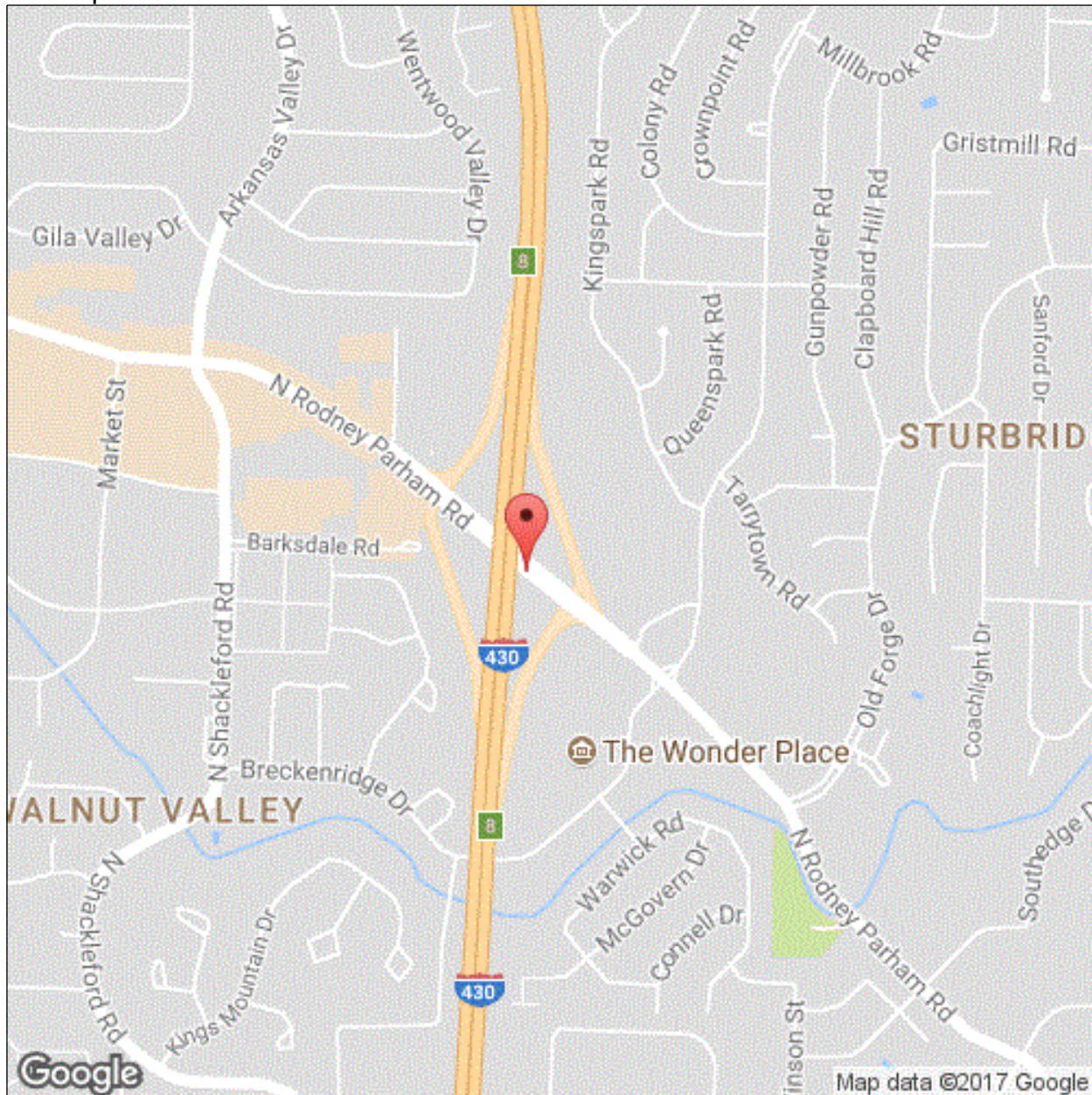
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Executive Summary

See AHTD drawing # 17014 for layout.
Logged west.

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	07/25/2017		
(8) STRUCTURE NUMBER	B5317			(91) DESIGNATED INSPECTION FREQUENCY	24		
(5) INV. ROUTE (ON/UNDER)	1	5	1	49630	2	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06	(3) COUNTY CODE	119				
(4) PLACE CODE	39020						
(6) FEATURES INTERSECTED	I 430-LOG 7.68						
(7) FACILITY CARRIED	RODNEY PARHAM E.B.						
(9) LOCATION	137 M N OF 630						
(11) MILEPOINT	1.750	(12) BASE HIGHWAY NETWORK	0				
(13A) LRS INVENTORY ROUTE	0000000000		(13B) SUBROUTE NUMBER	00			
(16) LATITUDE	34.76810	(17) LONGITUDE	-92.38985				
(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:	4 - Steel continuous			(59) SUPERSTRUCTURE	7	(60) SUBSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(61) CHANNEL & CHANNEL PROTECTION	N	(62) CULVERT	N
(44) STRUCTURE TYPE, APPROACH SPANS				LOAD RATING AND POSTING			
A) KIND OF MATERIAL/DESIGN:	0 - Other			(31) DESIGN LOAD	6		
B) TYPE OF DESIGN/CONSTR:	00 - Other			(63) METHOD USED TO DETERMINE OPERATING RATING	1		
(45) NUMBER OF SPANS IN MAIN	4	(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				APPRAISAL			
(27) YEAR BUILT	1974	(106) YEAR RECONSTRUCTED	0000				
(42) TYPE OF SERVICE	ON 6	UNDER	1				
(28) LANES	ON 02	UNDER	06				
(29) AVERAGE DAILY TRAFFIC	2290	(19) BYPASS DETOUR LENGTH	1				
(30) YEAR OF AVERAGE DAILY TRAFFIC	1987						
(109) AVERAGE DAILY TRUCK TRAFFIC	1						
GEOMETRIC DATA				CLASSIFICATION			
(48) LENGTH OF MAX SPAN (ft.)	107	(49) STRUCTURE LENGTH (ft.)	352				
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT	0.5				
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	35.4						
(52) DECK WIDTH, OUT-TO-OUT (ft.)	39.1						
(32) APPROACH ROADWAY WIDTH (ft.)	35.1						
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	54				
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99				
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0						
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99						
(54) VERTICAL UNDER CLEARANCE (ft.)	H	16.16					
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H	30.8					
(56) MIN LATERAL UNDER CLEARANCE (ft.)	8						
PROPOSED IMPROVEMENTS				NAVIGATION DATA			
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY			(38) NAVIGATION CONTROL	N		
(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	2968	(115) YEAR OF FUTURE ADT	2007				
(20) TOLL	3						
(21) MAINTENANCE RESPONSIBILITY	01						
(37) HISTORICAL	5						
(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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National Bridge Inventory

UNDER RECORD A

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	RODNEY PARHAM E.B.
(3) COUNTY CODE	119	(8) STRUCTURE NUMBER	B5317
(4) PLACE CODE	39020	(9) LOCATION	137 M N OF 630
(5) INV. ROUTE (ON/UNDER)	A 1 1 430 1	(11) MILEPOINT	7.678 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	I 430-LOG 7.68	(13A) LRS INVENTORY ROUTE	0000430210 (13B) SUBROUTE NUMBER 10
		(16) LATITUDE	34. (17) LONGITUDE -92.3898888888889
			7680277777778

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	1	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1974	(42) TYPE OF SERVICE	ON 6 UNDER 1
(28) LANES	ON 03 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	42000		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.16	(48) LENGTH OF MAXIMUM SPAN	107 (49) STRUCTURE LENGTH 352
(47) TOTAL HORIZONTAL CLEARANCE	74.7		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	L	(110) DESIGNATED NATIONAL NETWORK	1

UNDER RECORD B

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	RODNEY PARHAM E.B.
(3) COUNTY CODE	119	(8) STRUCTURE NUMBER	B5317
(4) PLACE CODE	39020	(9) LOCATION	137 M N OF 630
(5) INV. ROUTE (ON/UNDER)	B 1 1 430 3	(11) MILEPOINT	7.688 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	I 430-LOG 7.68	(13A) LRS INVENTORY ROUTE	0000430210 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	34. (17) LONGITUDE -92.3898888888889
			7680277777778

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	0	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1974	(42) TYPE OF SERVICE	ON 6 UNDER 1
(28) LANES	ON 03 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	40000		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	17.16	(48) LENGTH OF MAXIMUM SPAN	107 (49) STRUCTURE LENGTH 352
(47) TOTAL HORIZONTAL CLEARANCE	73.9		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	L	(110) DESIGNATED NATIONAL NETWORK	1

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	13359	sq. ft.	899	10850	1610	0
	Deck all spans have large unsealed cracks up to 0.060 wide.						
1130 - Cracking (RC and Other)		7035			5425	1610	
1190 - Abrasion/Wear (PSC/RC)		5425			5425		
107 - Steel Open Girder/Beam	1- Ben.	2082	ft.	2070	12	0	0
	Beam ends at bents 1 & 5 have active light rust due to leaking joints.						
1000 - Corrosion		12			12		
515 - Steel Protective Coating		22382	sq. ft.	0	16775	5595	12
205 - Reinforced Concrete Column	1- Ben.	9	each	9			
215 - Reinforced Concrete Abutment	1- Ben.	89	ft.	80	9	0	0
	Scattered small cracks in both abutments.						
1130 - Cracking (RC and Other)		9			9		
234 - Reinforced Concrete Pier Cap	1- Ben.	131	ft.	128	2	1	0
	Bent 4 left end of cap delamination. See photo						
1080 - Delamination/Spall/Patched Area		1				1	
1130 - Cracking (RC and Other)		2			2		
305 - Assembly Joint without Seal	1- Ben.	89	ft.	89			
	Material is passing through joint onto bearings and beam ends						
311 - Movable Bearing	1- Ben.	24	each	12	0	12	0
	Bents 1 & 5 bearings have laminating rust at masonry plate and bottom of bearings due leaking sliding plate joints. See photo.						
1000 - Corrosion		12				12	
313 - Fixed Bearing	1- Ben.	6	each	6			
321 - Reinforced Concrete Approach Slab	1- Ben.	4218	sq. ft.	4075	143	0	0
	Both approach slabs have abrasion in the gutter lines.						
1190 - Abrasion/Wear (PSC/RC)		143			143		
330 - Metal Bridge Railing	1- Ben.	347	ft.	347			
331 - Reinforced Concrete Bridge Railing	1- Ben.	347	ft.	347			

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Pictures

Inspector:

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Bridge Inspection Report

Sketches

Inspector:

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/14/2011 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Deck all spans

Unsealed Transverse cracks that are of moderate size and density.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Deck cracks

Inspector:

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Maintenance Needs

Date Reported: 7/14/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Abutments 1 and 5

.Debris accumulating on bearings. Due to leaking sliding plate joints

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Debris at bent 1 and 5