

# Bridge Inspection Report

06022

US 67SB-18-LM 7.23

over

BLACK RIVER RELIEF



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

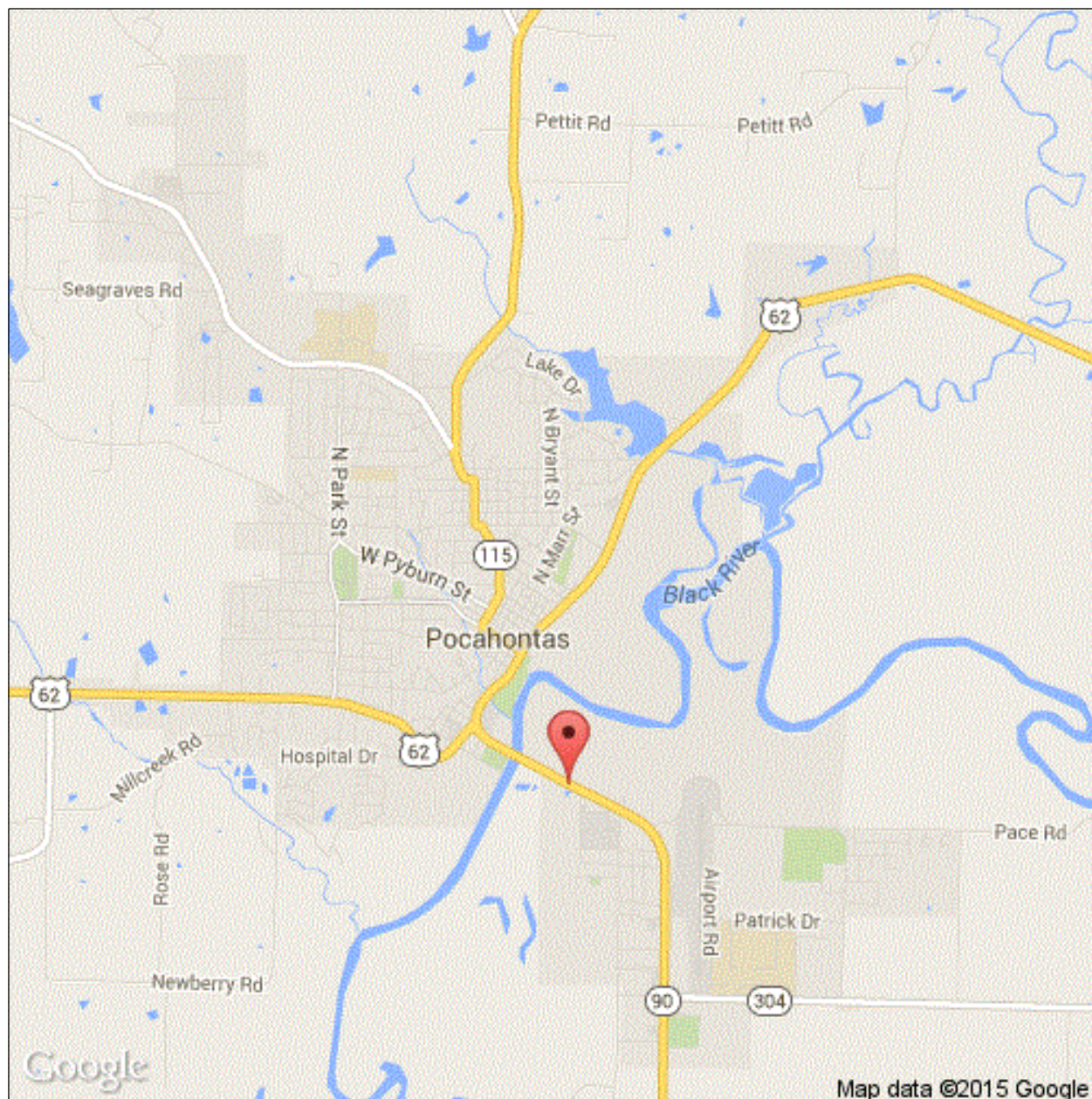
Structure Number: 06022

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### Bridge Inspection Report

### Location Map



Latitude: 36.25198

Longitude: -90.96511

Inspector:

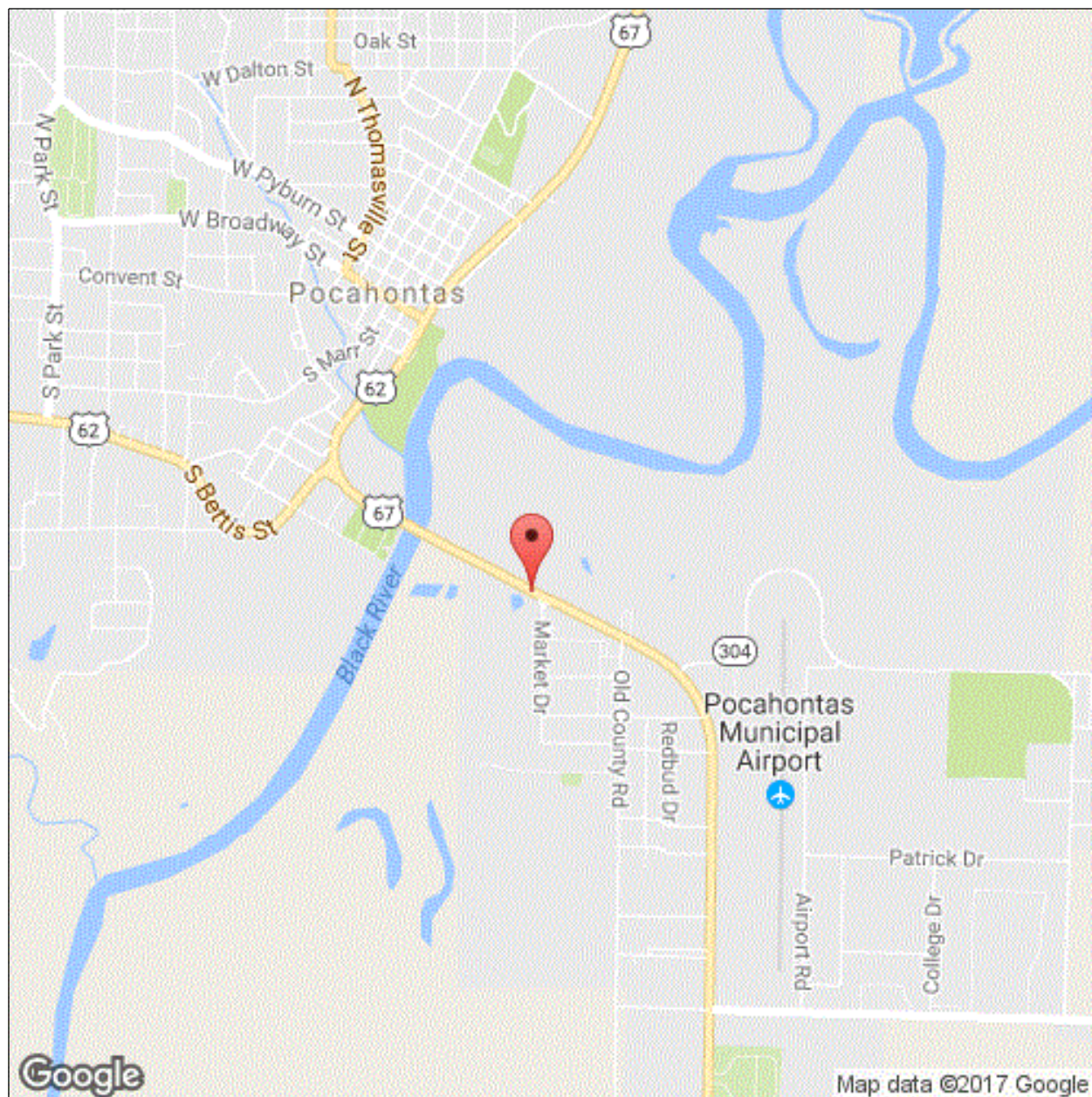
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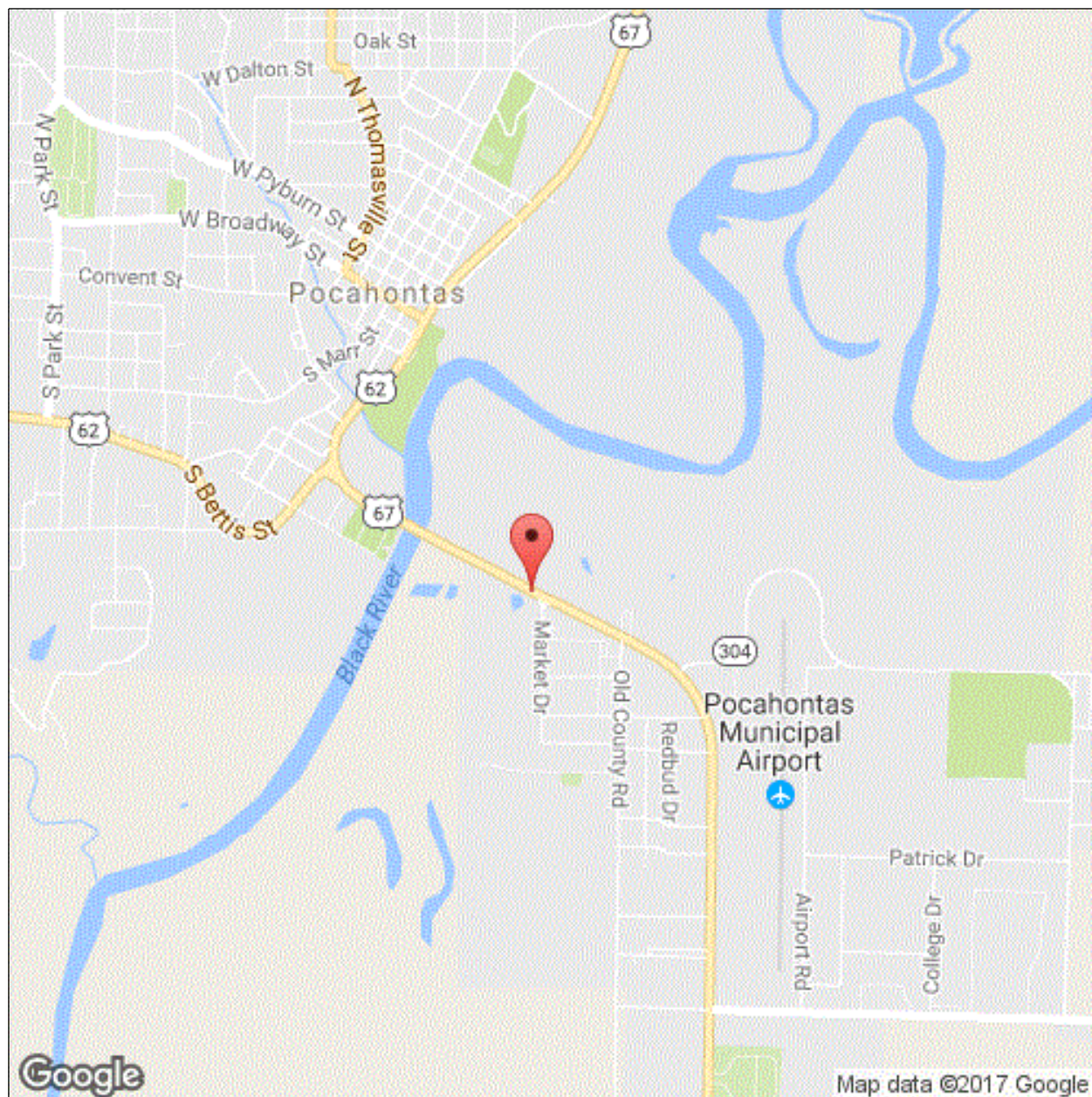
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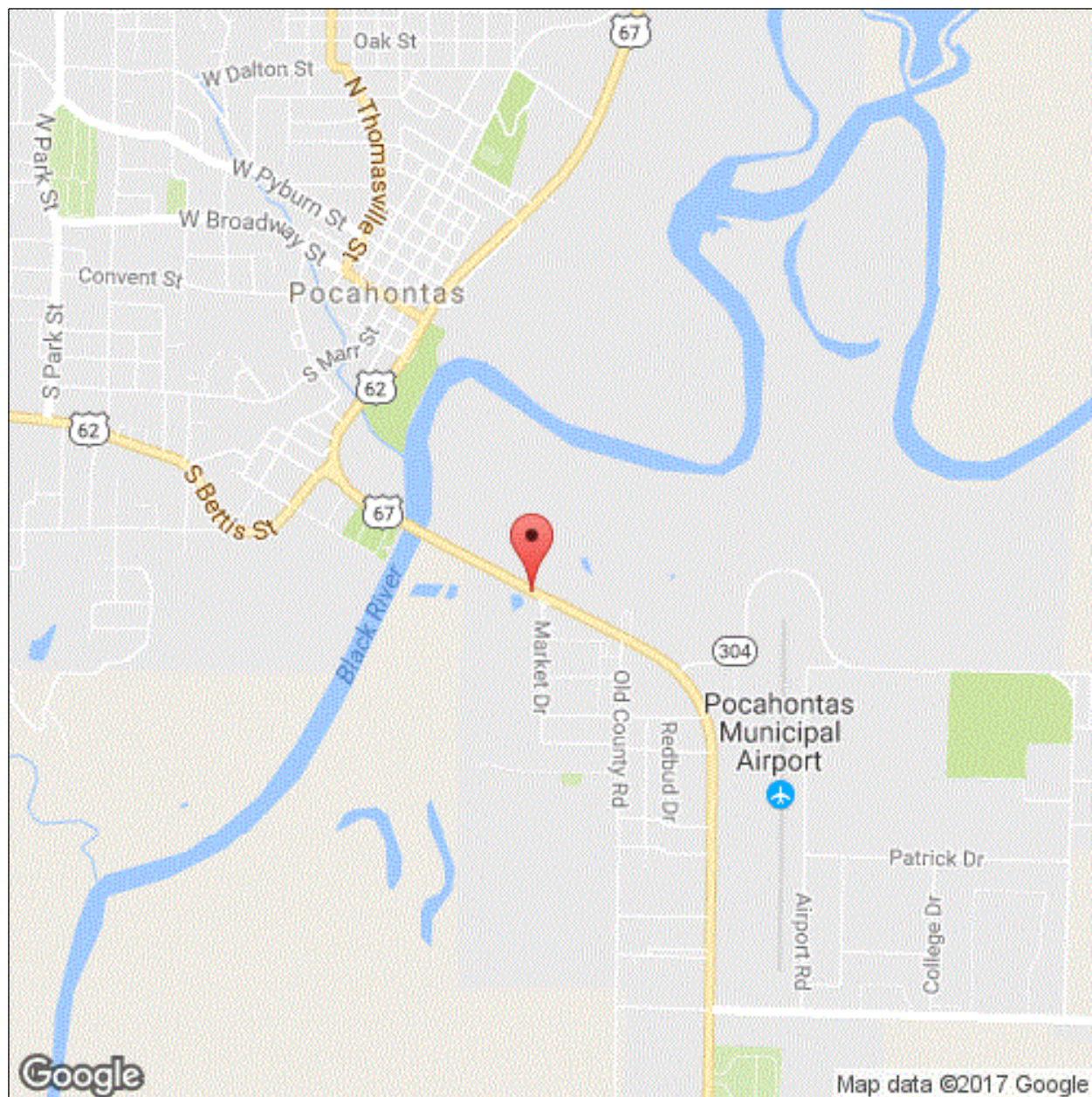
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**Bridge Inspection Report**

**Executive Summary**

Inspector:

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/30/2019
(8) STRUCTURE NUMBER	06022	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 67 3	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 121	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	54120	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BLACK RIVER RELIEF	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 67SB-18-LM 7.23		
(9) LOCATION	.58 MI SE US 62		
(11) MILEPOINT 7.230	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000067180 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	36.25198 (17) LONGITUDE -90.96511		
(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 (60) SUBSTRUCTURE 7
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	9 (46) NUMBER OF APPROACH		
(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	1985 (106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE	ON 1 UNDER 9	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES	ON 02 UNDER 00	(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC	20265 (19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC	5	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	36 (49) STRUCTURE LENGTH (ft.) 324	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 4.5 RIGHT 0	(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	36.9	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	34.1	(72) APPROACH ROADWAY ALIGNMENT	8
(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:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	35.1	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	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	85.1 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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	14
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE	0000	(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT	13500 (115) YEAR OF FUTURE ADT 2032	(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	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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## 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.	11988	sq. ft.	6395	5485	108	0
1080 - Delamination/Spall/Patched Area		35		0	34	1	0
1090 - Exposed Rebar		11		0	0	11	0
1120 - Efflorescence/Rust Staining		16		0	8	8	0
1130 - Cracking (RC and Other)		4624		0	4536	88	0
1190 - Abrasion/Wear (PSC/RC)		907		0	907	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	67	ft.	50	17	0	0
6000 - Scour		17		0	17	0	0
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	48	each	31	16	1	0
1130 - Cracking (RC and Other)		17		0	16	1	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	264	ft.	212	24	28	0
1080 - Delamination/Spall/Patched Area		26		0	20	6	0
1090 - Exposed Rebar		4		0	0	4	0
1120 - Efflorescence/Rust Staining		8		0	4	4	0
1130 - Cracking (RC and Other)		14		0	0	14	0
<b>301 - Pourable Joint Seal</b>	1- Ben.	240	ft.	0	0	240	0
2310 - Leakage		240		0	0	240	0
<b>330 - Metal Bridge Railing</b>	1- Ben.	321	ft.	321	0	0	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	648	ft.	648	0	0	0

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**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 2

Description

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**Bridge Inspection Report**

**Sketches**

Inspector:

Structure Number: 06022

Inspection Date:

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 05/30/2019

Priority: C - Important

Work Code:

---

### Deficiency Description:

Top of slab has unsealed longitudinal and map cracks in wheel path at all spans.  
Top of slab has abrasion throughout.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Deck cracks

Stage: Monitor



PHOTO 2      Description      Overall view of deck

Inspector:

Structure Number: 06022

Inspection Date:

Facility Carried: US 67SB-18-LM 7.23

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 05/30/2019

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

Slab soffit has a few cracks with some efflorescence. Soffit has several delaminated areas and spalls with rebar near drain openings.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Inspector:

Structure Number: 06022

Inspection Date:

Facility Carried: US 67SB-18-LM 7.23

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

Caps have several cracks with efflorescence and/or rust stains, delaminated areas, and spalls with some rebar exposed.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: 06022

Inspection Date:

Facility Carried: US 67SB-18-LM 7.23

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 05/28/2015

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

Several piles at Bents 4 - 9 have minor size vertical cracks approx. 5 feet up from ground level.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 05/30/2019

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Bent 10 abutment has 15' undermined with 2 piles exposed on Lt end. Abutment is undermined up to 1' below and 2.5' back under. Some rip rap displaced on slopes.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: 06022

Inspection Date:

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 5/22/2013 12:00:00 AM

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Channel  
has minor erosion under bridge especially Spans 2&3

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 05/30/2019

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Poured joints are torn, deteriorated, and leak.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1    Description    Typical joint

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 06/02/2017

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Span 8 Rt edge of slab has diagonal crack and spall out area , See photo 2017

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Open



PHOTO 1 Description