

# Bridge Inspection Report

**A5022**  
**I-30-13-52.97 W.B.**  
**over**  
**LITTLE MISSOURI RIVER**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

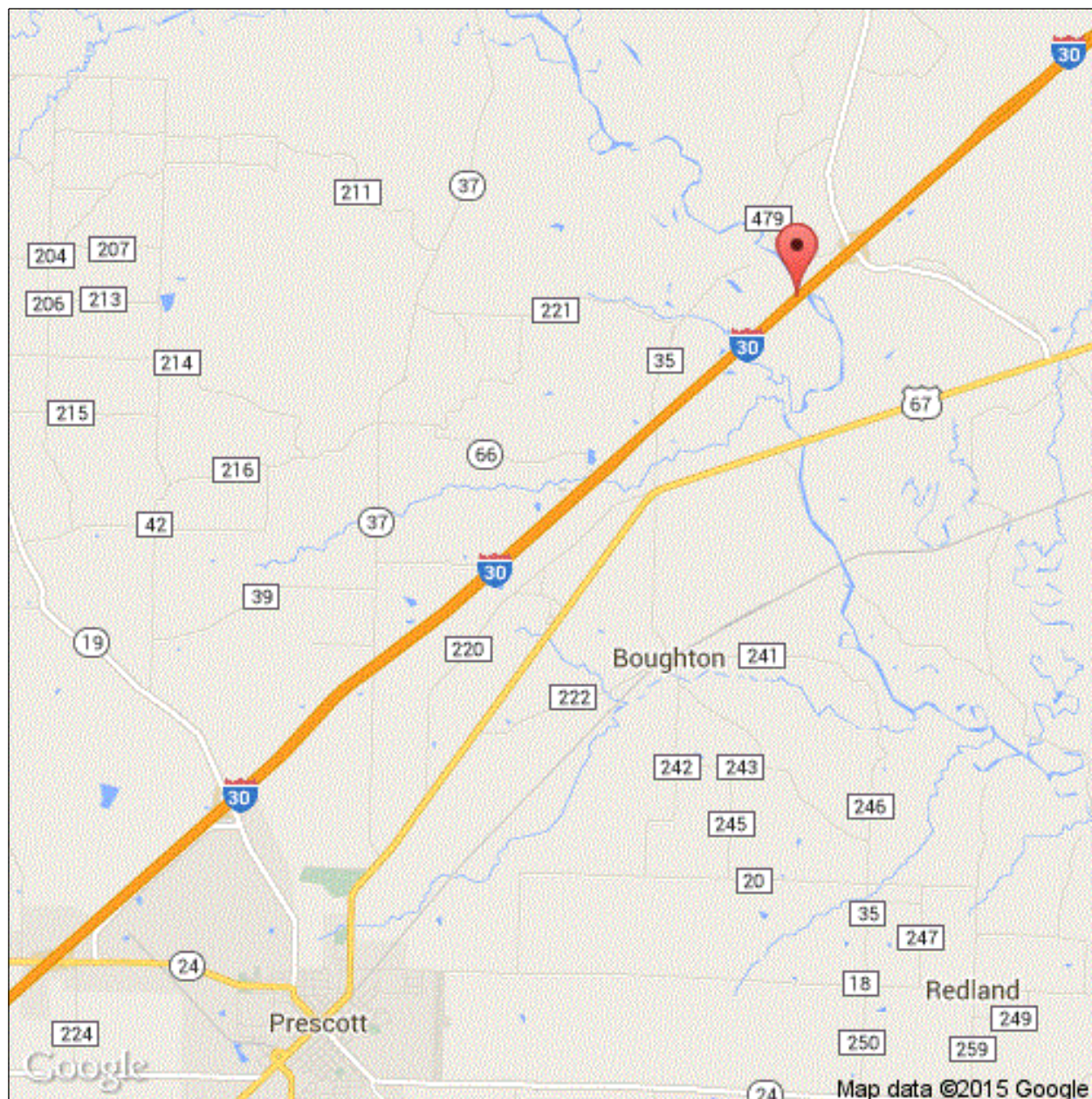
Structure Number: A5022

Inspection Date:

Facility Carried: I-30-13-52.97 W.B.

## Bridge Inspection Report

### Location Map



Latitude: 33.89714

Longitude: -93.30562



Inspector:

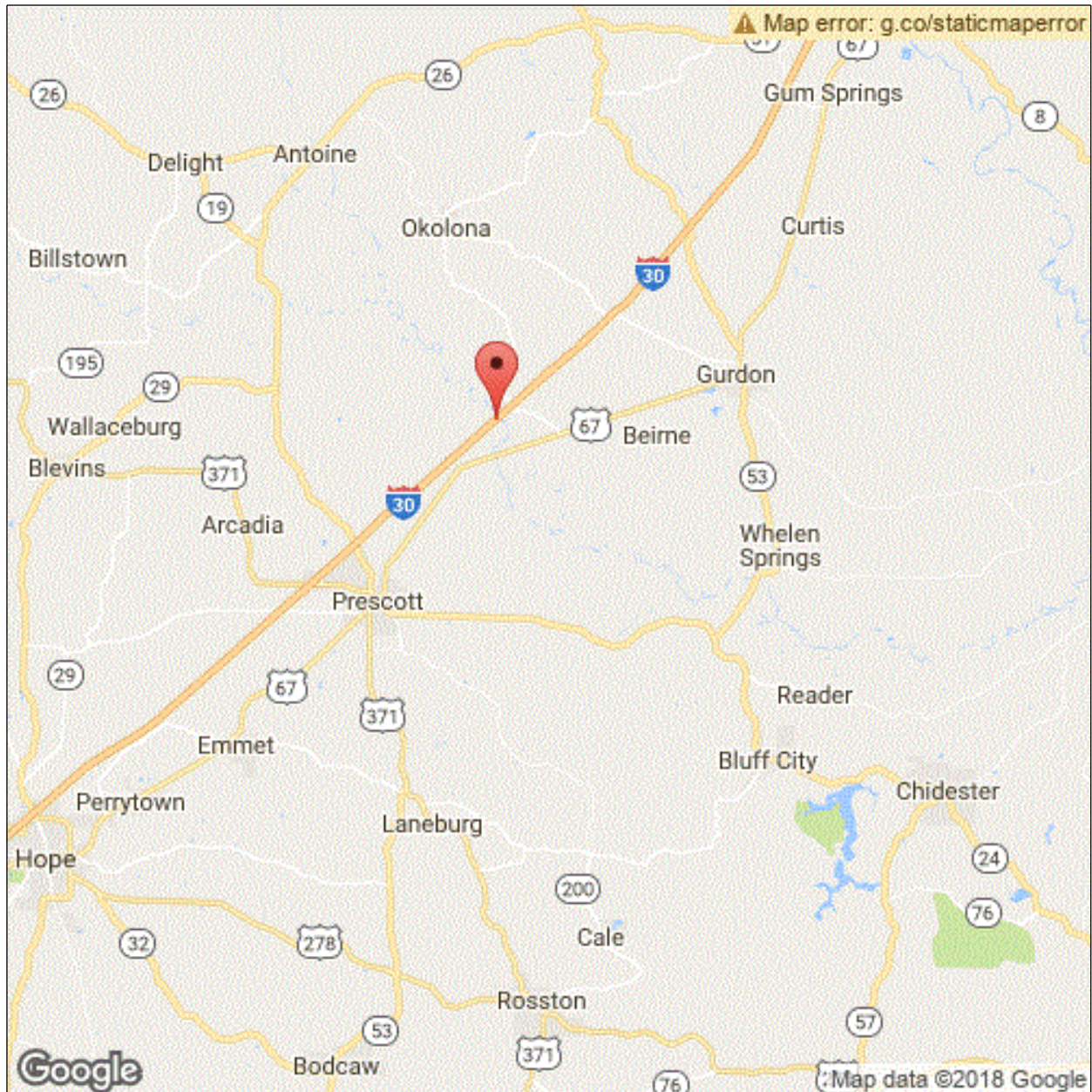
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Longitude: -93.30562



Inspector:

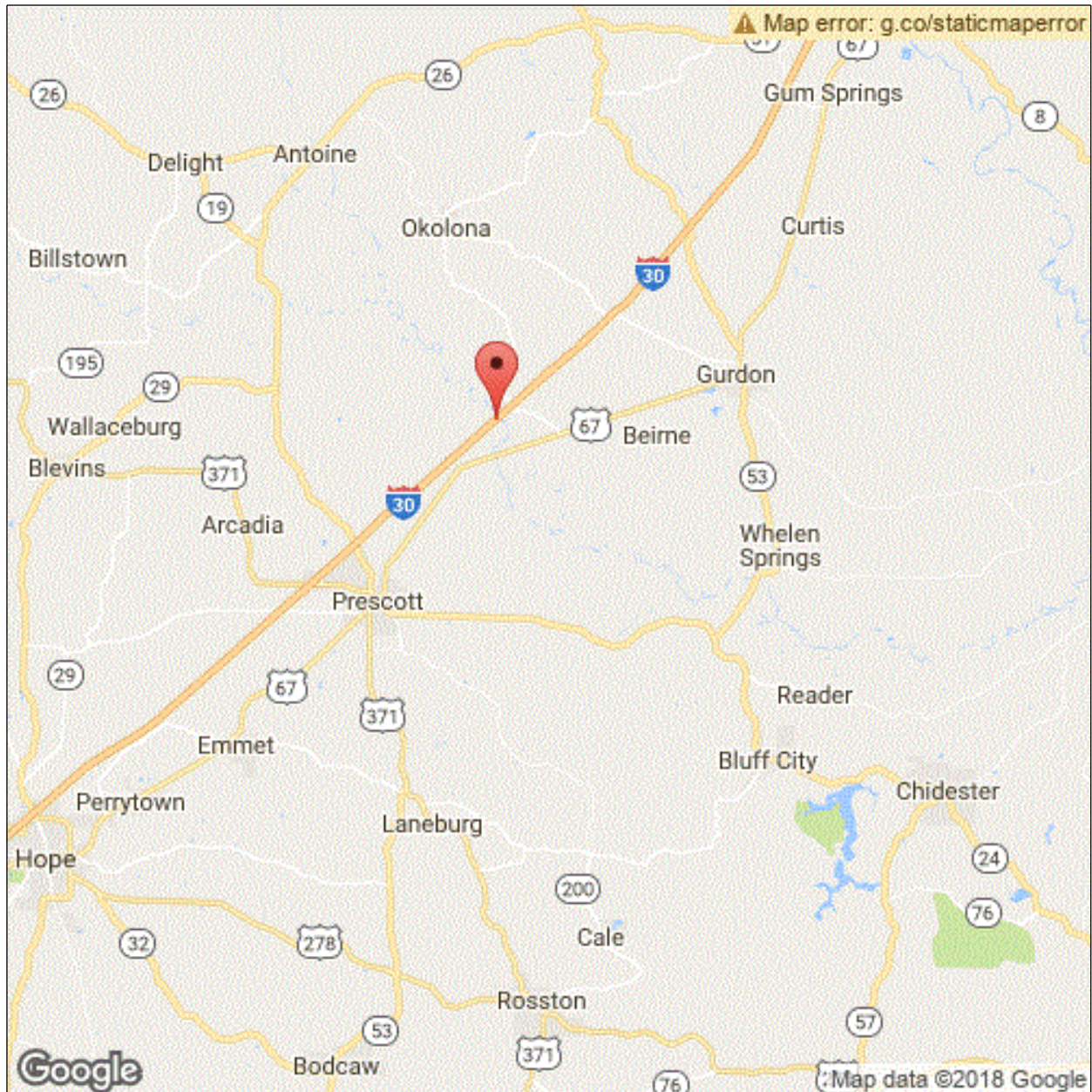
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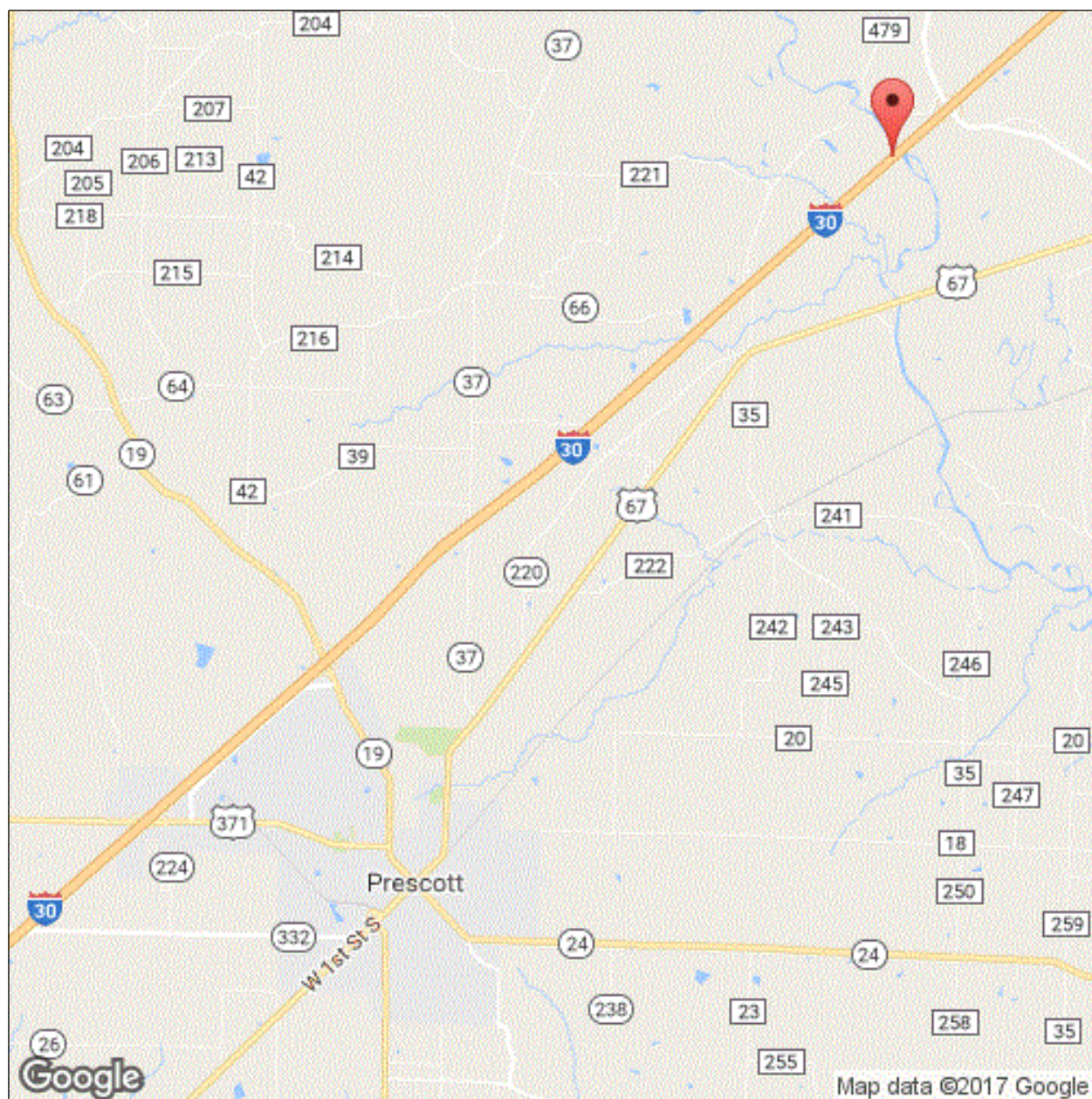
Longitude: -93.30562



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## Location Map



Latitude: 33.89714  
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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/20/2018
(8) STRUCTURE NUMBER	A5022	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 30 4	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 099	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE MISSOURI RIVER	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-30-13-52.97 W.B.		
(9) LOCATION	0.1 MI S CLARK CO LINE		
(11) MILEPOINT 52.970	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000030130 (13B) SUBROUTE NUMBER 30		
(16) LATITUDE 33.89714	(17) LONGITUDE -93.30562		
(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: 3 - Steel		(59) SUPERSTRUCTURE 6	(60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION 7	(62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 1 - Concrete			
B) TYPE OF DESIGN/CONSTR: 01 - Slab			
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 24		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 2		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1967	(106) YEAR RECONSTRUCTED 1990	(31) DESIGN LOAD	6
(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	60.0
(29) AVERAGE DAILY TRAFFIC 43957	(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 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 80	(49) STRUCTURE LENGTH (ft.) 960	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0	RIGHT 0	(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43	(71) WATERWAY ADEQUACY	6
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(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.)	41.3	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING 93.9	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	01
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 16327	(115) YEAR OF FUTURE ADT 2028	(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



Inspector:

Structure Number: A5022

Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 06/30/2015

Priority: D - Routine

Work Code: Repair

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Deficiency Description:

ALL SPANS IN BRIDGE DECK HAVE SEALABLE DECK CRACKS.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Sealable deck cracks all spans



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---

#### Deficiency Description:

##### CONCRETE CAPS:

BENT #7, BOTTOM FACE

BENT #8, E.F & LT. END

BENT #18, W.F ON LT.

BENT #20,BOTTOM FACE

BENT #21,BOTTOM FACE

BENT #25, RT. SIDE, AT

END CAP

BENT #11 BOTTOM FACE

MINOR SPALLS W/REBAR EXPOSED

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      BT 8 lt end cap spall rebar exposed



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### Maintenance Needs

Date Reported: 06/30/2015

Priority: D - Routine

Work Code: Repair

Deficiency Description:

CONSTRUCTION JOINTS;

VARIOUS LOCATIONS

NEED TO BE CLEANED AND FILLED WITH NEW D-200

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1      Description      Bent 1 joint missing material

Stage: Assigned



PHOTO 2      Description

Inspector:

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Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Assigned



PHOTO 3 Description

Stage: Assigned



PHOTO 4 Description Pier 2 joint

Stage: Assigned



PHOTO 5 Description Pier 1 leaking/ missing 5 ft



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 06/30/2015

Priority: G - General/ Preventive maintenance

Work Code: Repair

---

#### Deficiency Description:

##### CONCRETE CAPS:

BENTS #2,4,5,6,7,8,9,10,11,13,14,15,16,17, 18,19,20,21,22,23,24,&25 MINOR SPALLS AND DELAMNS@ VARIOUS LOCATIONS ON THE CAPS ,PIER 1 spall with rebar exposed.

BENT 6; LARGE DELAM OVER COLUMN 2 ON THE CAP

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Pier 1 in water spall with rebar exposed  
1 sq ft  
On It side at column 2

Stage: Assigned



PHOTO 2      Description

Inspector:

Inspection Date:

Structure Number: A5022

Facility Carried: I-30-13-52.97 W.B.

## Bridge Inspection Report

### Maintenance Needs

Stage: Assigned



PHOTO 3 Description

Stage: Assigned



PHOTO 4 Description

Stage: Assigned



PHOTO 5 Description Bt 14 cracking 9 LF

Stage: Assigned



PHOTO 6 Description BT 14 spalls less than 1" depth  
12 LF total



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### Maintenance Needs

Stage: Assigned



PHOTO 7 Description BT 13 spall with rebar exposed and delam  
Spall rebar 3 LF

Stage: Assigned



PHOTO 8 Description BT 11 spalls rebar exposed 10 LF

Stage: Assigned



PHOTO 9 Description BT 10 spalls rebar exposed and delam  
9 total LF .  
6 LF rebar  
3 LF delam

Stage: Assigned



PHOTO 10 Description BT 9 cap spalls and rebar total 9 LF .  
6 LF rebar exposed  
2 LF delam



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### Maintenance Needs

Stage: Assigned



PHOTO 11 Description BT 8 spalls rebar exposed  
13 LF total

Stage: Assigned



PHOTO 12 Description BT 7 spalls and delam total 6 LF  
Spall 2 LF  
Delam 4 LF

Stage: Assigned



PHOTO 13 Description Bt 6 lt side delam at pile 2 on cap  
2 LF  
Rebar exposed 2 LF on cap also.

Stage: Assigned



PHOTO 14 Description BT 5 delam on cap at pile 5&6 on cap  
1 LF



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### Maintenance Needs

Stage: Assigned



PHOTO 15 Description BT 4 cap 2 LF rebar exposed  
1 LF delam

Stage: Assigned



PHOTO 16 Description BT 3 cap spalls  
3 LF

Stage: Assigned



PHOTO 17 Description BT 2 cap spalled and some rebar  
exposed  
Spall 10 LF  
Rebar exposed 3

Stage: Assigned



PHOTO 18 Description Bent 16 spall rebar exposed, bottom of  
cap, north end.



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### Maintenance Needs

Stage: Assigned



PHOTO 19    Description    Bent 17 spalls top of cap west face south end

Stage: Assigned



PHOTO 20    Description    Bent 18 spalls with rebar exposed.

Stage: Assigned



PHOTO 21    Description    Bent 19 delamn on west face,small spall with rebar exposed on east face south end

Stage: Assigned



PHOTO 22    Description    Bent 20 spalls on cap



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### Maintenance Needs

Stage: Assigned



PHOTO 23    Description    Bent 21 spalls and spalls with rebar exposed

Stage: Assigned



PHOTO 24    Description    Bent 22 spall west face

Stage: Assigned



PHOTO 25    Description    Bent 23 spalls rebar exposed

Stage: Assigned



PHOTO 26    Description    Bent 24 spalls and delamns.

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## Bridge Inspection Report

### Maintenance Needs

Stage: Assigned



PHOTO 27    Description    Bent 25 spalls and delamns.



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### Maintenance Needs

Date Reported: 06/30/2015

Priority: G - General/ Preventive maintenance

Work Code: Repair

Deficiency Description:

CONCRETE  
APPROACH GUTTERS ON WEST END

RT. SHOULDER HAS SOME SETTLEMENT AND CRACKING IN IT

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 1 approach gutter cracks

Stage: Assigned



PHOTO 2 Description Approach gutter on east end of bridge

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 06/30/2015

Priority: G - General/ Preventive maintenance

Work Code: Repair

---

### Deficiency Description:

Span 7,13 delam bottom deck with efflorescence and staining.

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Span 13 bottom deck small delam  
With efflorescence staining .  
36 sq ft total

Stage: Open



PHOTO 2      Description      Span 7 delam 4 sq ft



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 06/30/2015

Priority: D - Routine

Work Code: Repair

---

#### Deficiency Description:

Cracking at top of concrete pile  
2&3 BT 15 main Span

Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Open



PHOTO 1      Description      BT 15 main Spain pile 4 cracking in top of concrete pile

Stage: Open



PHOTO 2      Description      BT 15 main Spain pile 3 cracking in top of concrete pile

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 02/20/2018

Priority: B - Pressing; 6 month completion goal

Work Code:

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Deficiency Description:

HOLE IN DECK BENT 21 SLOW LANE.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Open



PHOTO 1    Description    HOLE IN DECK BENT 21 SLOW LANE



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 02/20/2018

Priority: G - General/ Preventive maintenance

Work Code:

---

Deficiency Description:

WHEEL GUARD BUSTED WITH REBAR EXPOSED 15 ft.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      WHEEL GUARD BROKEN WITH  
REBAR EXPOSED 15 ft.

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 02/20/2018

Priority: C - Important

Work Code:

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Deficiency Description:

DRIFT AGAINST BENT IN CHANNEL NEEDS TO BE REMOVED

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1 Description