

# Bridge Inspection Report

**A0485**

**US 70-7 Log 1.65**

**over**

**Br. Little Marzarn Cr.**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

## TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	9
SKETCHES	10

Inspector:

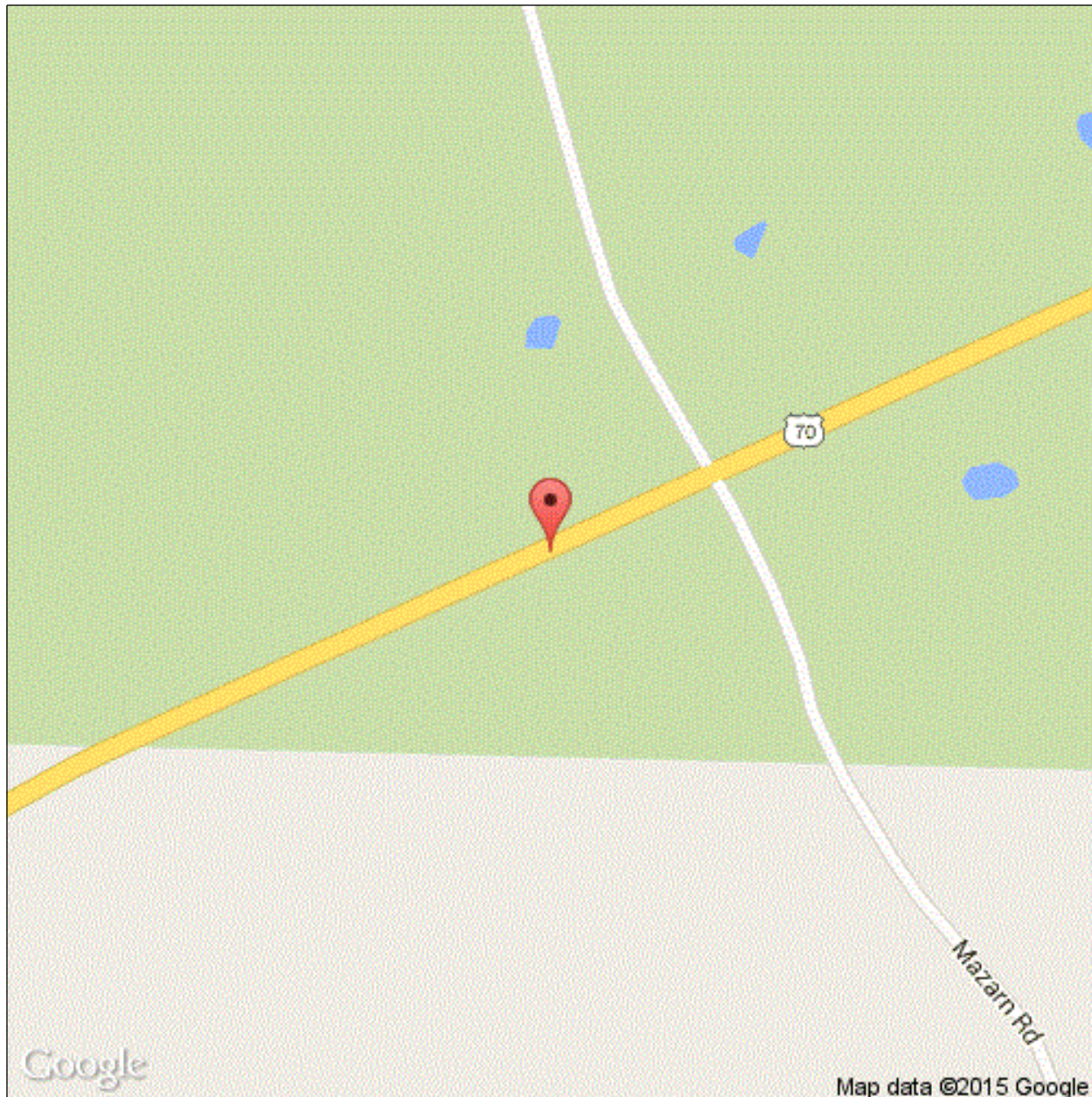
Inspection Date:

Structure Number: A0485

Facility Carried: US 70-7 Log 1.65

## Bridge Inspection Report

### Location Map



Latitude: 34.38411

Longitude: -93.38325



Inspector:

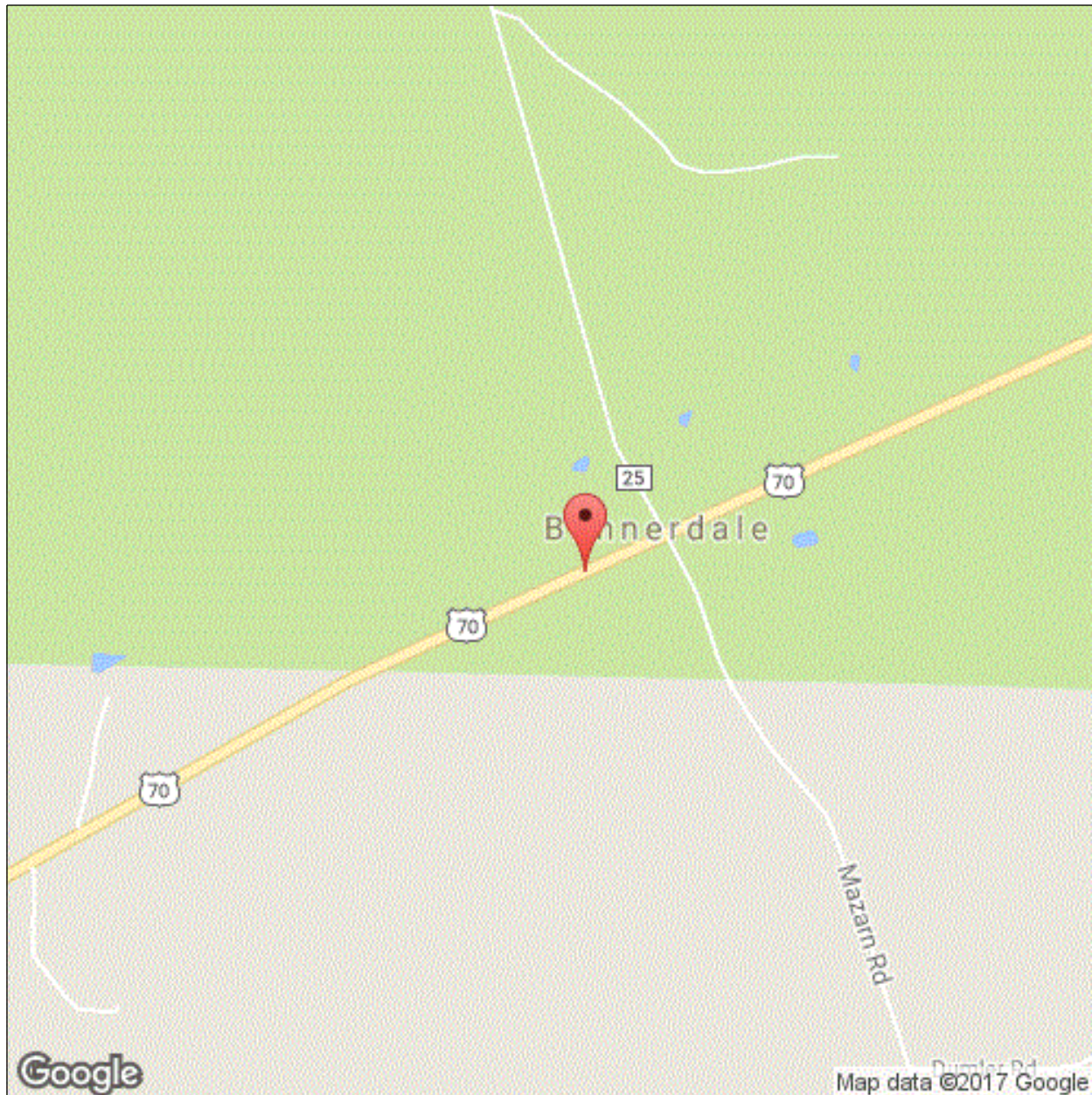
Inspection Date:

Structure Number: A0485

Facility Carried: US 70-7 Log 1.65

## Bridge Inspection Report

### Location Map



Latitude: 34.38411

Longitude: -93.38325



Inspector:

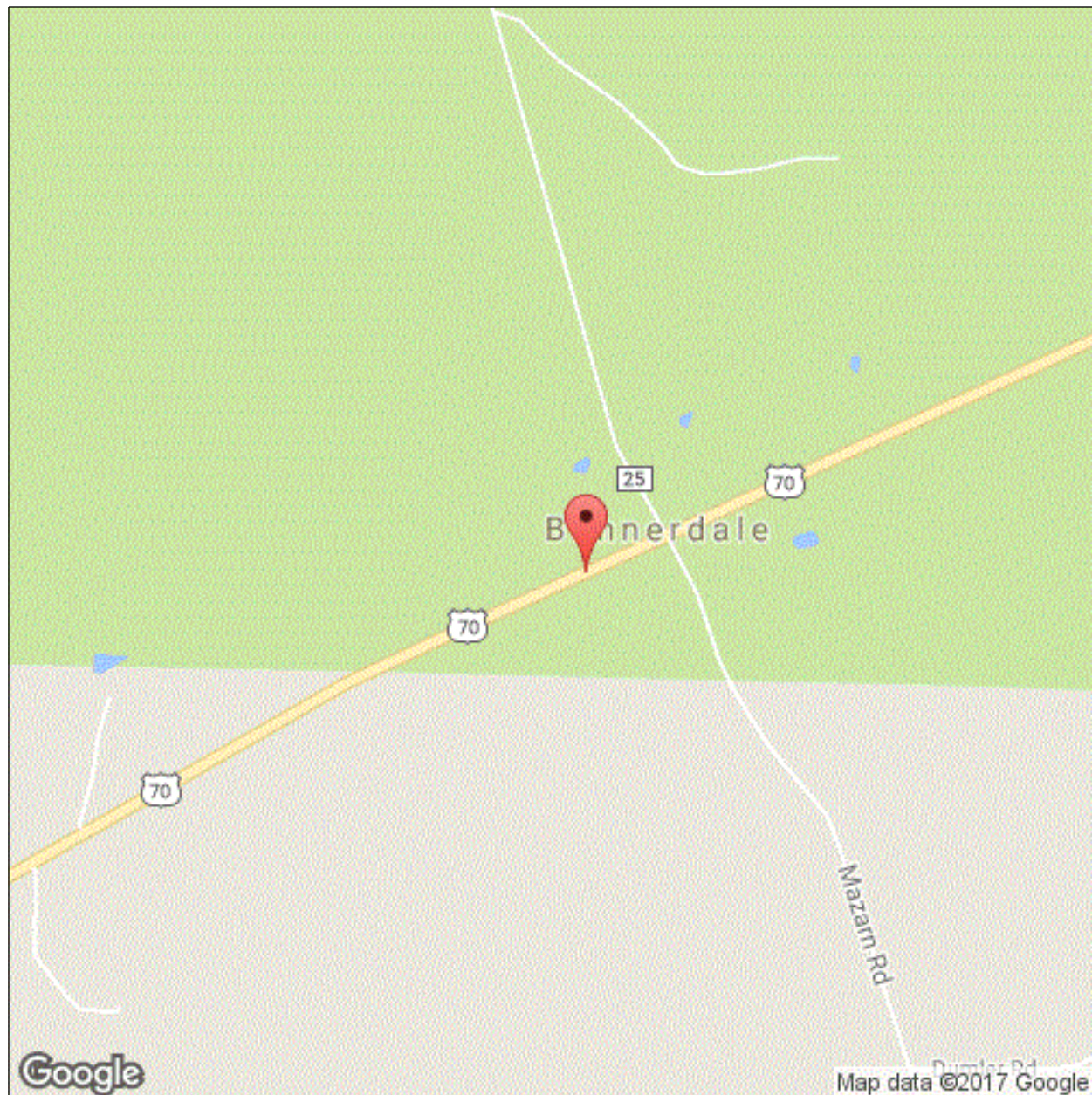
Inspection Date:

Structure Number: A0485

Facility Carried: US 70-7 Log 1.65

## Bridge Inspection Report

### Location Map



Latitude: 34.38411

Longitude: -93.38325

**Inspector:**

**Inspection Date:**

**Structure Number:** A0485

**Facility Carried:** US 70-7 Log 1.65

**Bridge Inspection Report**

**Executive Summary**

job 1450 dwg 18548 approach going east

Inspector:

Structure Number: A0485

Inspection Date:

Facility Carried: US 70-7 Log 1.65

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/16/2017
(8) STRUCTURE NUMBER	A0485	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 70 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 059	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Br. Little Marzarn Cr.	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 70-7 Log 1.65		
(9) LOCATION	1.65MI NE MONTGOMERY CO		
(11) MILEPOINT 1.650	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000070070 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.38411	(17) LONGITUDE -93.38325		
(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 6
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION	6 (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 1	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1928	(106) YEAR RECONSTRUCTED 1976	(31) DESIGN LOAD	4
(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	43.0
(29) AVERAGE DAILY TRAFFIC 5000	(19) BYPASS DETOUR LENGTH 20	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	25.0
(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.) 39	(49) STRUCTURE LENGTH (ft.) 41	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 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.) 32.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 32.2		(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.) 31.5		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	60.2 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	06
(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	0000	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 4787	(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: A0485

Inspection Date:

Facility Carried: US 70-7 Log 1.65

## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>16 - Reinforced Concrete Top Flange</b>	1- Ben.	761	sq. ft.	746	15	0	0
Asphalt wearing surface has scattered cracking & patched potholes.							
1120 - Efflorescence/Rust Staining		15		0	15	0	0
510 - Wearing Surfaces		761	sq. ft.	428	333	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		8		0	8	0	0
3220 - Crack (Wearing Surface)		325		0	325	0	0
<b>38 - Reinforced Concrete Slab</b>	1- Ben.	514	sq. ft.	514	0	0	0
510 - Wearing Surfaces		410	sq. ft.	410	0	0	0
<b>110 - Reinforced Concrete Open Girder/Beam</b>	1- Ben.	117	ft.	116	1	0	0
1 spall with exposed rebar on girder 1. All girders have hairline vertical cracks.							
1090 - Exposed Rebar		1		0	1	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	131	ft.	119	12	0	0
Vertical cracks in both abutments. Bt. 2 top of footing is exposed.							
1130 - Cracking (RC and Other)		12		0	12	0	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	82	ft.	70	10	2	0
Left bridge rail has deterioration and both rails have small cracks							
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
1130 - Cracking (RC and Other)		9		0	7	2	0



**Inspector:**

**Inspection Date:**

**Structure Number:** A0485

**Facility Carried:** US 70-7 Log 1.65

**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 2

Description

**Inspector:**

**Inspection Date:**

**Structure Number:** A0485

**Facility Carried:** US 70-7 Log 1.65

**Bridge Inspection Report**

**Sketches**

Inspector:

Structure Number: A0485

Inspection Date:

Facility Carried: US 70-7 Log 1.65

### Bridge Inspection Report

## Maintenance Needs

Date Reported: 08/12/2015

Priority: D - Routine

Work Code:

---

### Deficiency Description:

East end of bridge asphalt approach has settled.

### Work Description:

---

### Date Repairs Completed:

### Maintenance Comments:

Assigned Garland 06261 9/27/17

---

### Stage: Assigned



PHOTO 1      Description      East end of bridge asphalt approach has settled.



Inspector:

Structure Number: A0485

Inspection Date:

Facility Carried: US 70-7 Log 1.65

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 08/12/2015

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Deck has small potholes

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---