

# Bridge Inspection Report

**M0286**  
**SH 9/Fulton County**  
**over**  
**Little Strawberry Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**





Inspector:

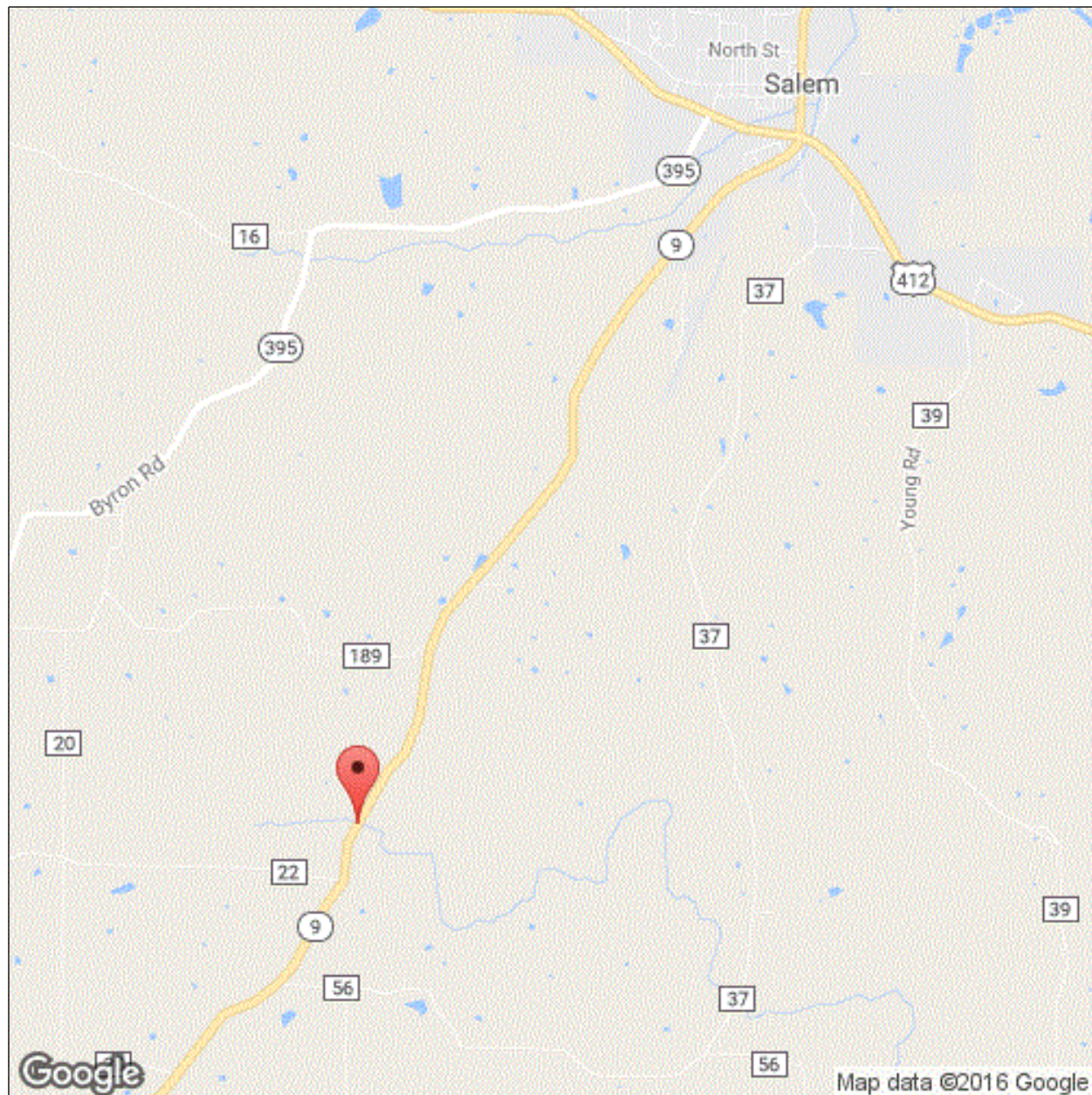
Structure Number: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

### Location Map



Latitude: 36.324188

Longitude: -91.857712



Inspector:

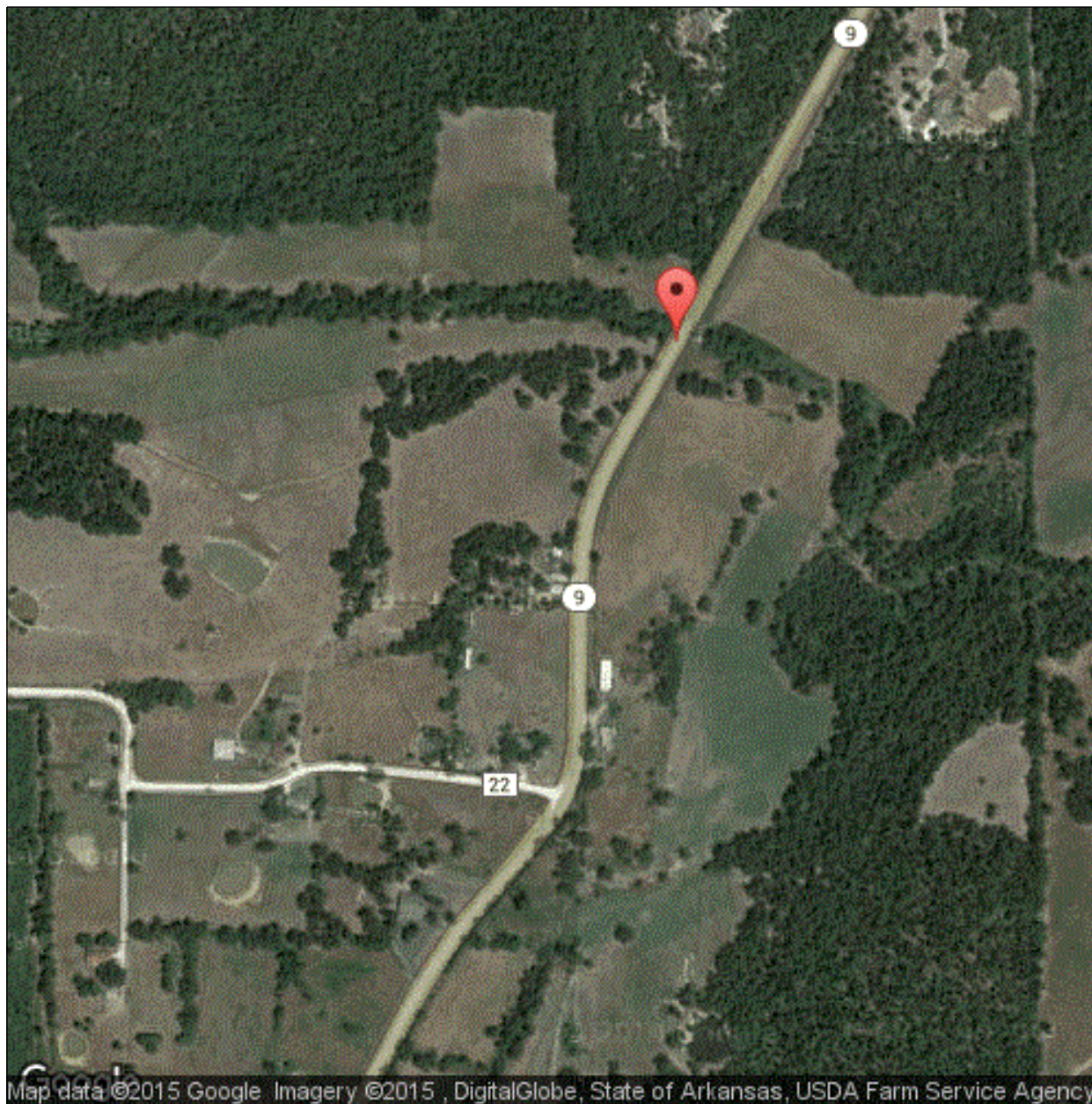
Structure Number: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

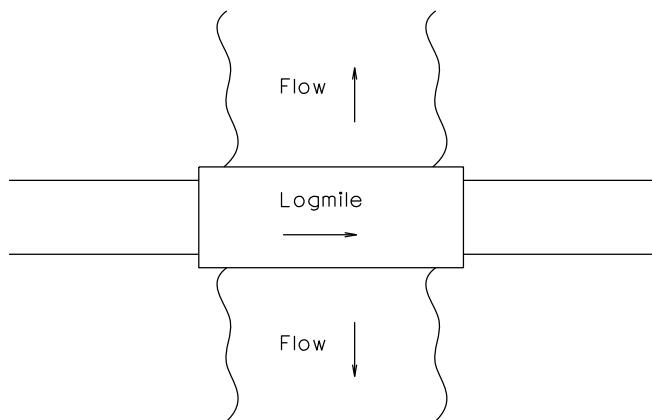
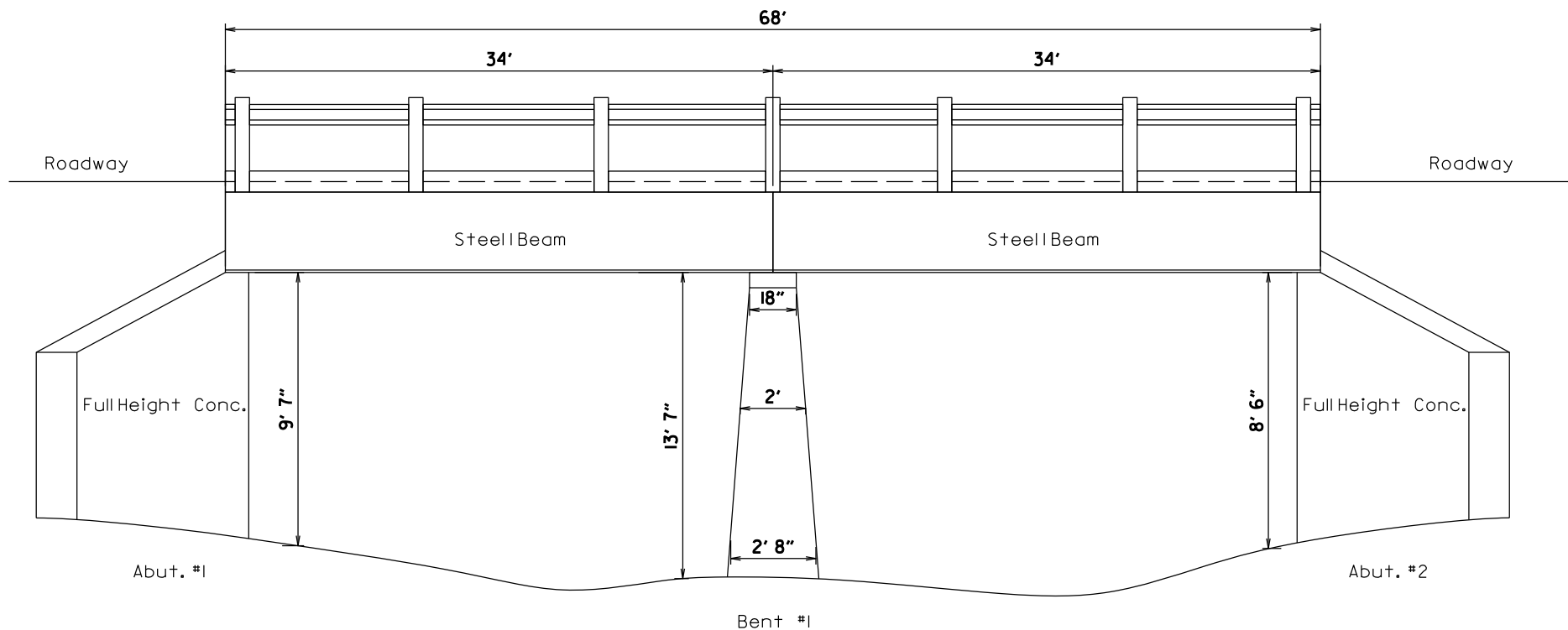
# Bridge Inspection Report

## Location Map



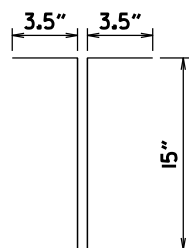
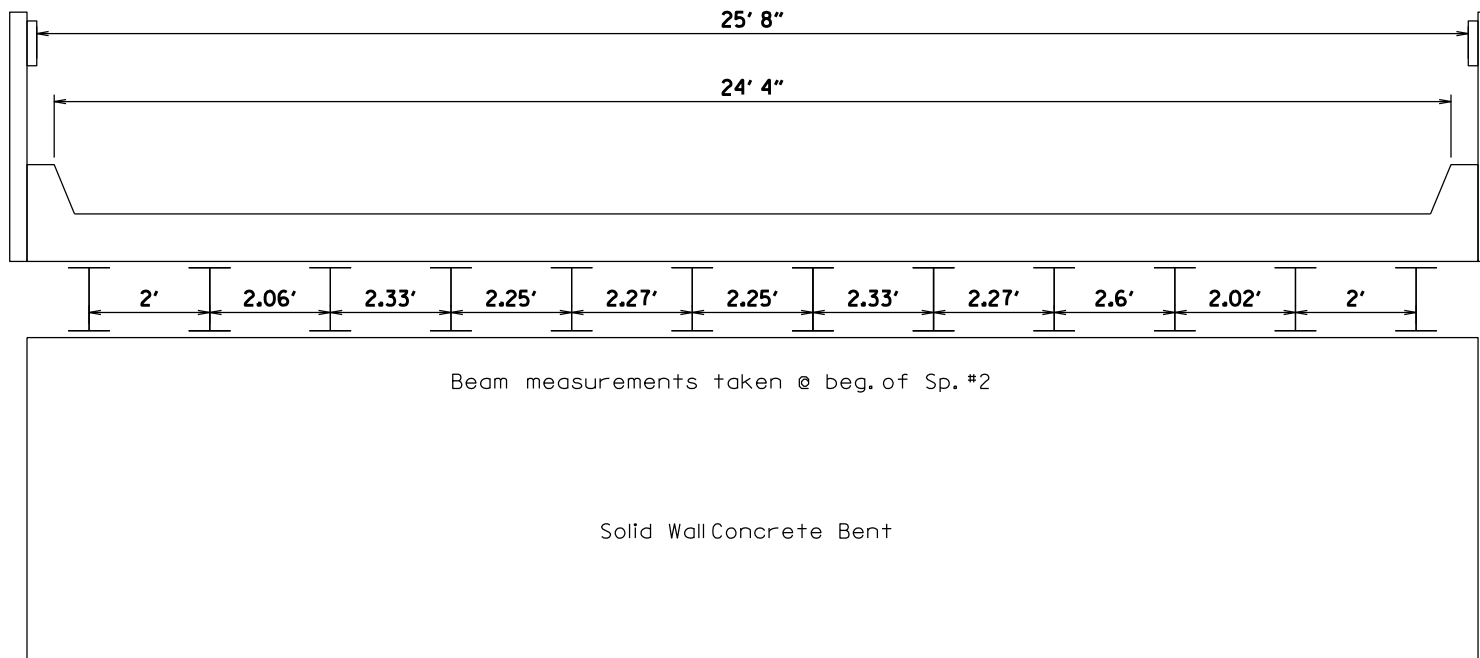
Latitude: 36.324188

Longitude: -91.857712

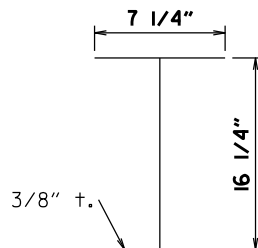


\*Not to Scale

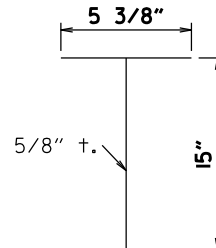
Bridge No. M0286	Dist. 5	Co. 25/Fulton
Logmile 6.29	Rt. 9	Sect/Zone - 14
Date Drawn 11/03/09 Date Redrawn 10/09/13 By: KBL		



Sp. #1 - Gird. #2 & #11  
Sp. #2 - Gird. #1 & #11



Sp. #1 & 2 - Gird. #12



Sp. #1 - Gird. #1, 3-10  
Sp. #2 - Gird. #2-10

\*Not to Scale

Bridge No. M0286	Dist. 5	Co. 25/Fulton
Logmile 6.29	Rt. 9	Sect/Zone - 14
Date Drawn 11/03/09 Date Redrawn 10/09/13 By: KBL		

Inspector:

Structure Number: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

### Executive Summary

Log Mile running to the North.

12/11/2017 - Abut. & deck element checked & Chnl. Prof. done this inspection. KBL

Inspector:

Structure Number: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	12/11/2017
(8) STRUCTURE NUMBER	M0286	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 9 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 049	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Little Strawberry Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 9/Fulton County		
(9) LOCATION	0.4 MI N OF Wheeling, AR		
(11) MILEPOINT 6.289	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000009140 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.324188	(17) LONGITUDE -91.857712		
(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: 3 - Steel		(59) SUPERSTRUCTURE	4 (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: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 2	(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 1926	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(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	24
(29) AVERAGE DAILY TRAFFIC 1200	(19) BYPASS DETOUR LENGTH 10	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	14
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	2
		(41) STRUCTURE OPEN/POSTED/CLOSED	P
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 33	(49) STRUCTURE LENGTH (ft.) 65	(67) STRUCTURAL EVALUATION	4
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.8 RIGHT 0.8		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 24.3		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 26.2		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 22.0		(72) APPROACH ROADWAY ALIGNMENT	7
(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 25.9		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	1 STATUS 19.9
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		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 1362	(115) YEAR OF FUTURE ADT 2028	(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	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: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	1703	sq. ft.	1448	130	125	0
	Left curb deteriorated and spalled. Right curb has some minor deterioration. Several spalls with exposed rebar and areas of efflorescent cracking to Soffit at Spans 1 & 2. Wearing surface has patched areas and several cracks at Spans 1 & 2. Efflorescent cracking to Left & Right edges of deck.						
1080 - Delamination/Spall/Patched Area		130			30	100	
1090 - Exposed Rebar		25				25	
1120 - Efflorescence/Rust Staining		100			100		
510 - Wearing Surfaces		1573	sq. ft.	1268	5	300	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		5			5		
3220 - Crack (Wearing Surface)		300				300	
107 - Steel Open Girder/Beam	1- Ben.	780	ft.	452	133	185	10
	Girder 1 at Span 1 is Bent and Distorted. Rust, corrosion & section loss to Girders 1 thru 3 & 9 thru 12 at Spans 1 & 2. Rust with heavy section loss to web & bottom flange (holes / knife edged) of Girder 1 at beginning & end of Span 1. Girder 2 at Beginning of Span 2 has severe section loss to bottom of web and bottom flange with large hole in bottom of web and is beginning to crush. Girder 10 at End of Span 1 has severe section loss to web with holes at end of Girder. Rust with section loss to top of web (holes / knife edged) of Girder 12 at end of Span 1 & beginning of Span 2. Girder 12 @ end of Span 2 has section loss with hole in bottom flange.						
1000 - Corrosion		295			100	185	10
1900 - Distortion		33			33		
515 - Steel Protective Coating		2980	sq. ft.	2680	0	100	200
3440 - Effectiveness (Steel Protective Coatings)		300				100	200
210 - Reinforced Concrete Pier Wall	1- Ben.	29	ft.	4	20	5	0
	Scaling along bottom of Pier on back and ahead sides with area of deep scaling near centerline on back side.						
1190 - Abrasion/Wear (PSC/RC)		25			20	5	
215 - Reinforced Concrete Abutment	1- Ben.	96	ft.	89	1	6	0
	3 FH vertical cracks 1/16" - 3/16" wide to Abutment 1. Large spall to backwall between Girders 6 & 7. 3 FH vertical cracks 1/4" wide to Abutment 2. Honeycombed area with 8" of rebar exposed at bottom of Abutment 2 near centerline.						
1090 - Exposed Rebar		1			1		

Inspector:

Structure Number: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

## Element Inspection

1130 - Cracking (RC and Other)		6				6	
220 - Reinforced Concrete Pile Cap/Footing	1- Ben.	26	ft.	0	26	0	0
Footing exposed at Bent 1.							
6000 - Scour		26			26		
234 - Reinforced Concrete Pier Cap	1- Ben.	28	ft.	26	2	0	0
Minor Spalls under Girders 4 & 9 on ahead side.							
1080 - Delamination/Spall/Patched Area		2			2		
304 - Open Expansion Joint	1- Ben.	26	ft.	26			
Not visible due to asphalt overlay.							
330 - Metal Bridge Railing	1- Ben.	130	ft.	130			
515 - Steel Protective Coating		390	sq. ft.	390			

Inspector:

Structure Number: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/05/2016

Priority: B - Pressing; 6 month completion goal

Work Code: Repair

---

#### Deficiency Description:

Rust, corrosion & section loss to Girders 1 thru 3 & 9 thru 12 at Spans 1 & 2.

Rust with heavy section loss to web & bottom flange (holes / knife edged) of Girder 1 at beginning & end of Span 1  
Girder 2 at Beginning of Span 2 has severe section loss to bottom of web and bottom flange with large hole in bottom of web and is beginning to crush.

Girder 10 at End of Span 1 has severe section loss to end of web with holes at end of Girder.

Rust with section loss to top of web (holes / knife edged) of Girder 12 at end of Span 1 & beginning of Span 2.

Girder 3 has holes in top of web near 1/4 point & midspan @ Span 2.

Girder 12 @ end of Span 2 has section loss with hole in bottom flange.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Rust & section loss to Girders 1 - 3 @ Span 1.

Stage: Assigned



PHOTO 2      Description      Distortion to Girder 1 @ Span 1.



Inspector:

Inspection Date:

Structure Number: M0286

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

### Maintenance Needs

Stage: Assigned

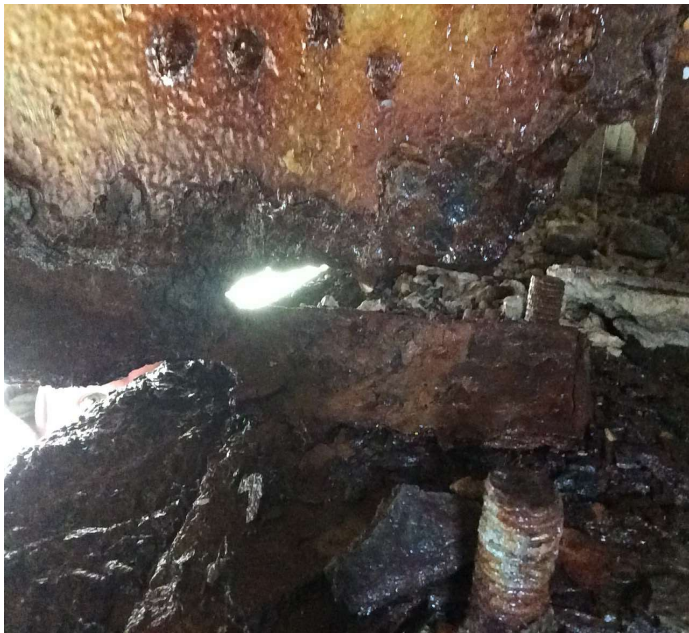


PHOTO 3      Description      Girder 2 at Beginning of Span 2 has severe section loss to bottom of web and bottom flange with large hole in bottom of web and is beginning to crush.

Stage: Assigned



PHOTO 4      Description      Girder 2 at Beginning of Span 2 has severe section loss to bottom of web and bottom flange with large hole in bottom of web and is beginning to crush.

Stage: Assigned



PHOTO 5      Description      Rust & section loss to Girders 1 - 3 @ Span 2.

Stage: Assigned



PHOTO 6      Description      Girder 3 has hole in top of web near midspan @ Span 2.

Inspector:

Inspection Date:

Structure Number: M0286

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

### Maintenance Needs

Stage: Assigned



PHOTO 7      Description      Girder 3 has hole in top of web near 1/4 point @ Span 2.

Stage: Assigned



PHOTO 8      Description      Girder 10 at End of Span 1 has severe section loss to end of web with hole at end of Girder.



Inspector:

Structure Number: M0286

Inspection Date:

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 11/19/2015

Priority: D - Routine

Work Code: Repair

---

Deficiency Description:

Cap @ Bent 1 & Abutment 2  
Spalls under girders.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Spalls to Cap on ahead side of Bent 1.



Inspector:

Inspection Date:

Structure Number: M0286

Facility Carried: SH 9/Fulton County

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/05/2016

Priority: D - Routine

Work Code: Repair

---

#### Deficiency Description:

Scour to Bent 1 footing exposed.  
Channel has realigned to Span 1.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Scoured 1' below top of footing @ Bent 1.

Stage: Assigned



PHOTO 2      Description      Channel has realigned to Abutment 1.