

Bridge Inspection Report

01924
SH 115-01- LM 0.93
over
SPENCER CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

Structure Number: 01924

Inspection Date:

Facility Carried: SH 115-01- LM 0.93

Bridge Inspection Report

Location Map



Latitude: 36.48513

Longitude: -90.92591

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Bridge Inspection Report

Location Map



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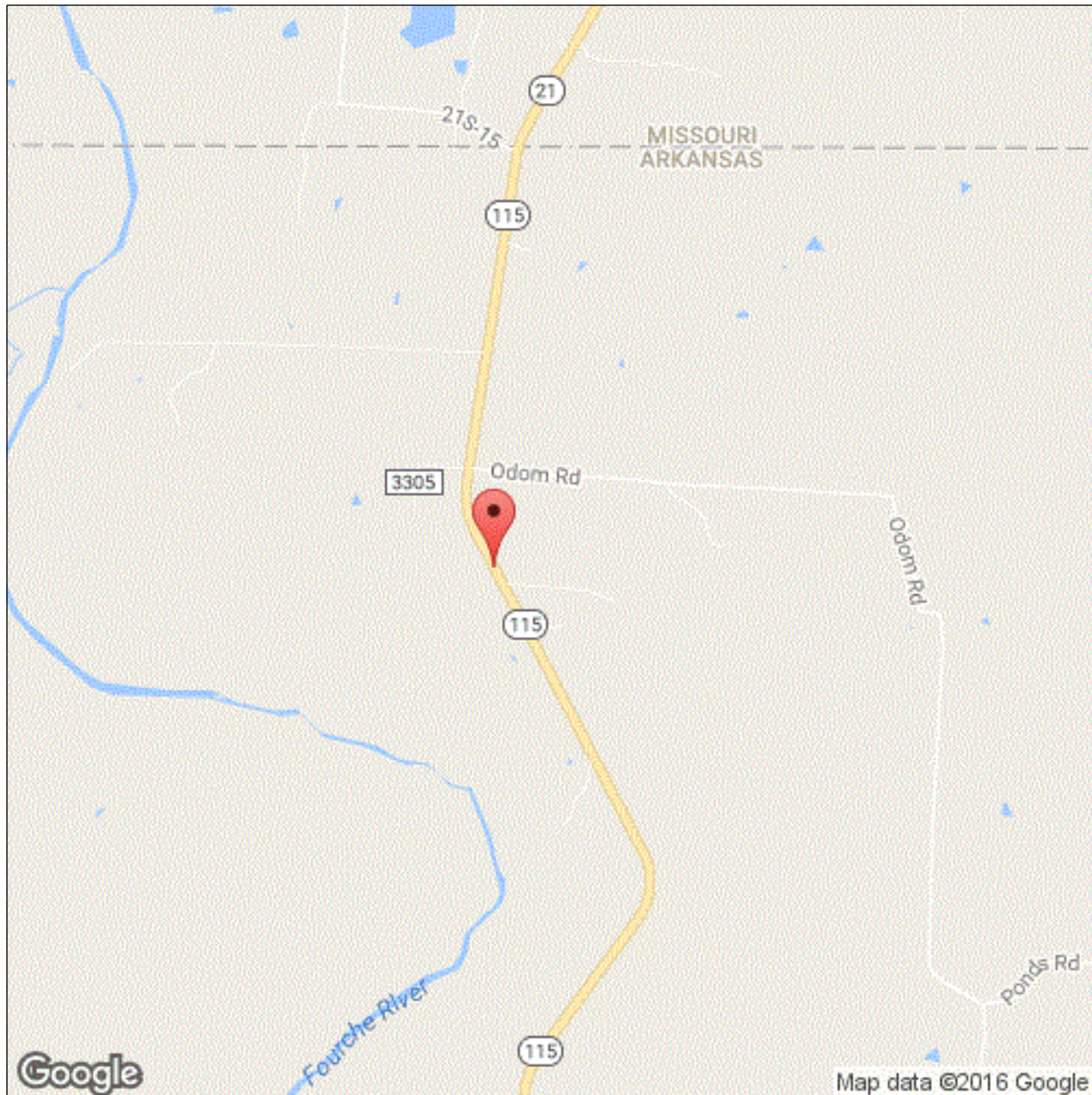
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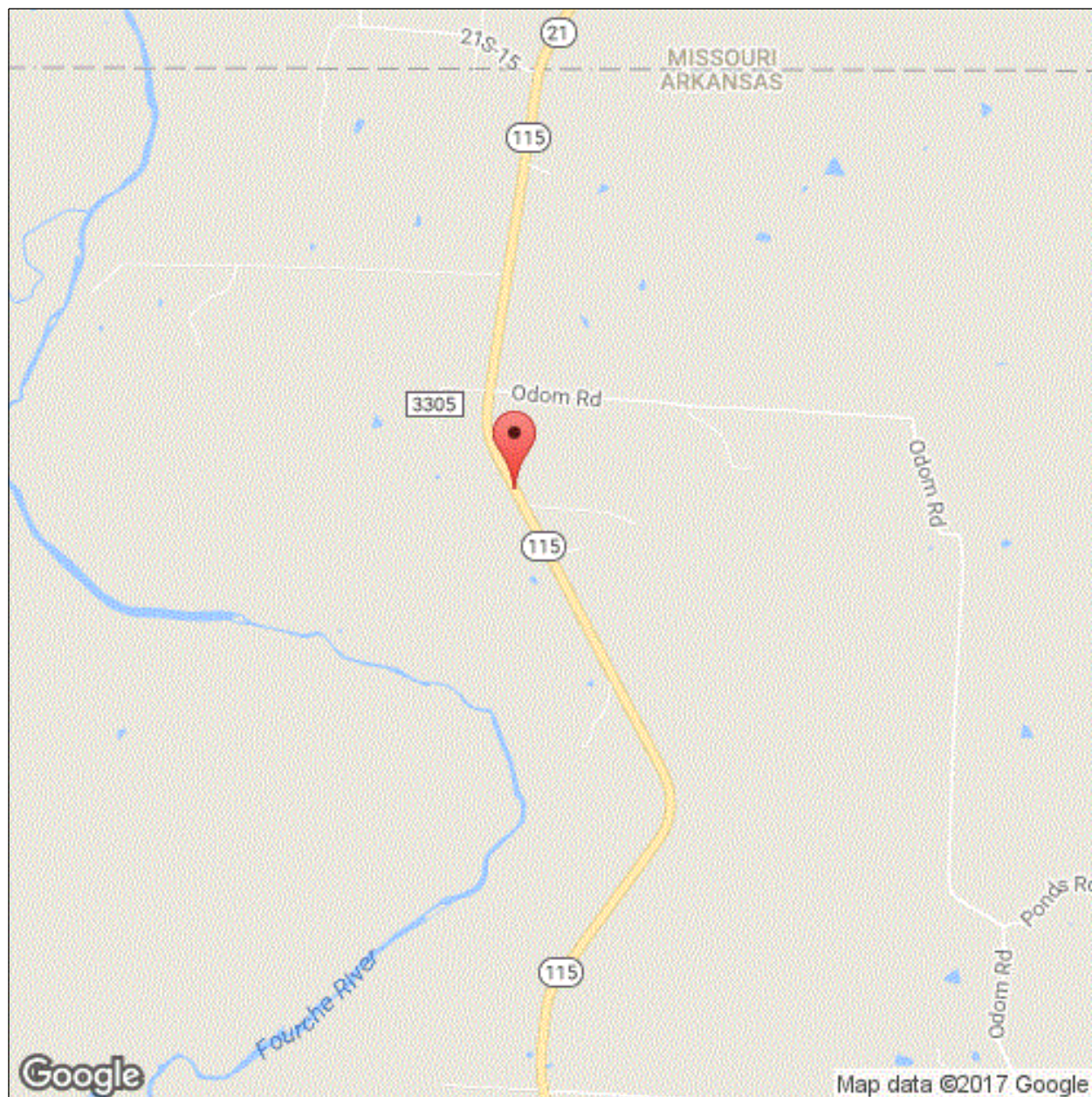
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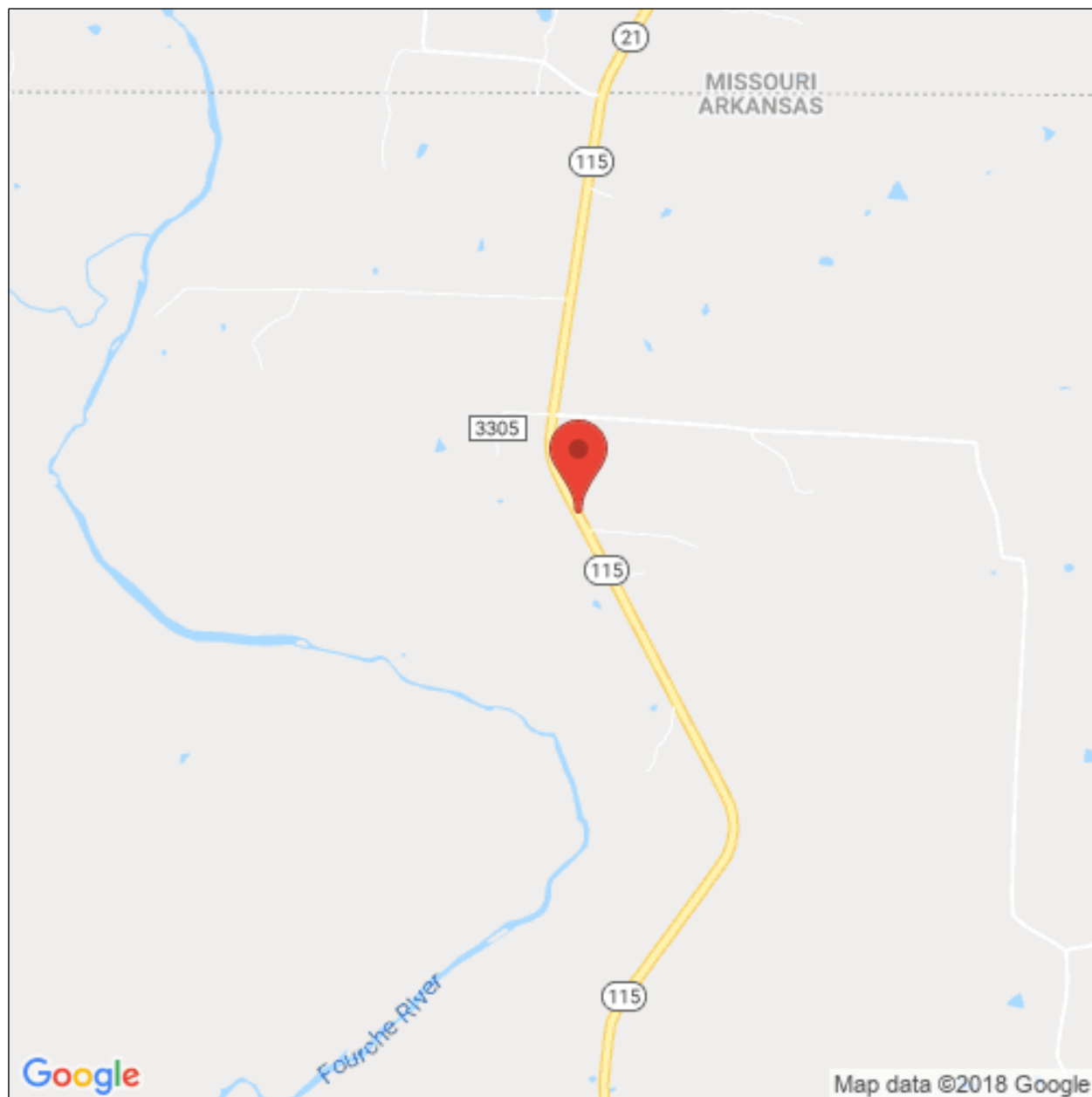
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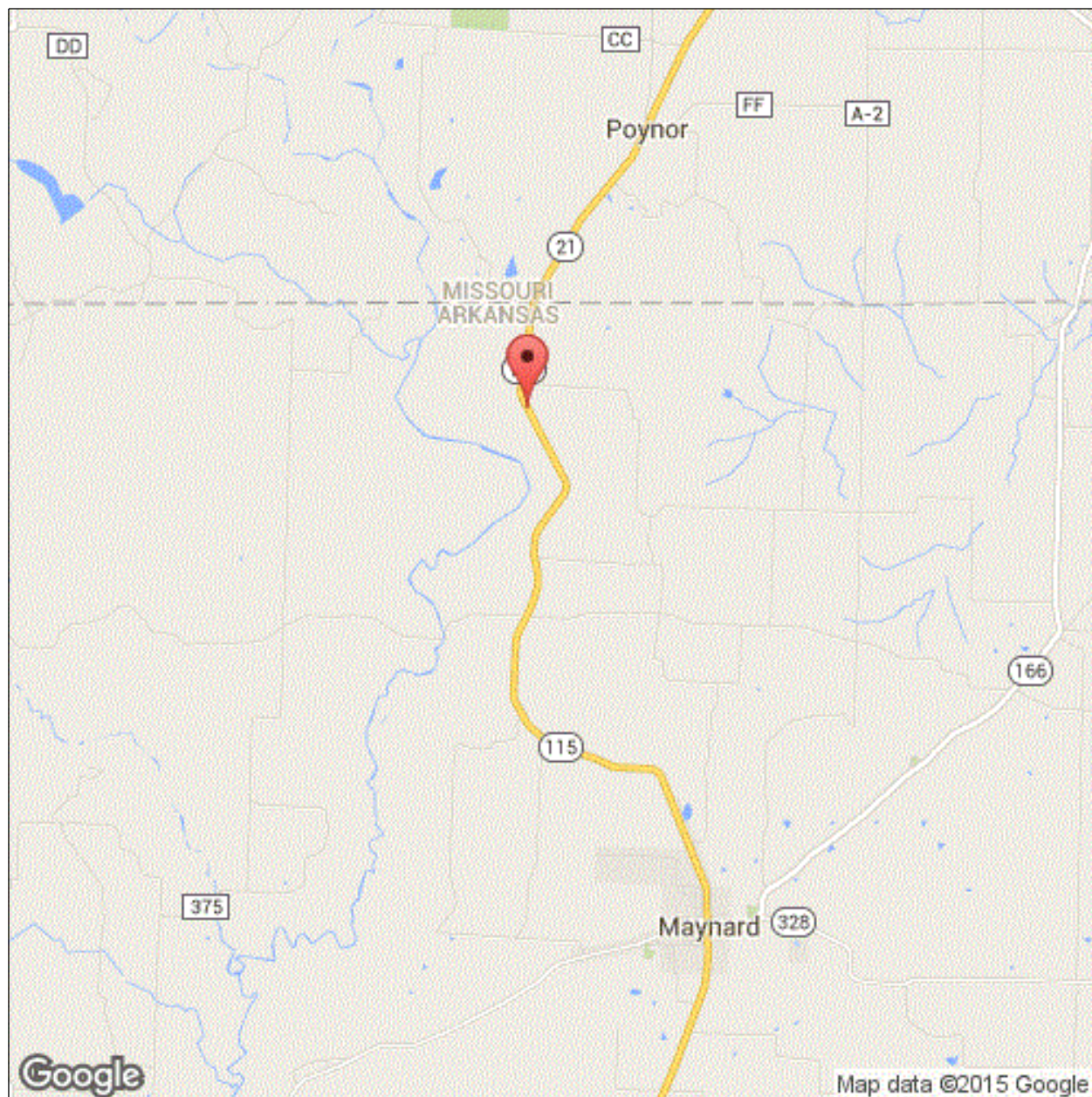
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/03/2019
(8) STRUCTURE NUMBER	01924	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 115 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 121	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	SPENCER CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 115-01- LM 0.93		
(9) LOCATION	.93 MI S MISSOURI LINE		
(11) MILEPOINT 0.930	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000115010 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.48513	(17) LONGITUDE -90.92591		
(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	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 1935	(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	28
(29) AVERAGE DAILY TRAFFIC 720	(19) BYPASS DETOUR LENGTH 6	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	17
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	1
		(41) STRUCTURE OPEN/POSTED/CLOSED	P
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 40	(49) STRUCTURE LENGTH (ft.) 43	(67) STRUCTURAL EVALUATION	4
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.4	RIGHT 0.4	(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.)	25.7	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	24.9	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	55.5 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 847	(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	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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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	1174	sq. ft.	807	325	42	0
1080 - Delamination/Spall/Patched Area		5		0	5	0	0
1090 - Exposed Rebar		2		0	0	2	0
1120 - Efflorescence/Rust Staining		240		0	200	40	0
1130 - Cracking (RC and Other)		120		0	120	0	0
510 - Wearing Surfaces		942	sq. ft.	894	0	48	0
3220 - Crack (Wearing Surface)		48		0	0	48	0
107 - Steel Open Girder/Beam	1- Ben.	205	ft.	185	18	2	0
1000 - Corrosion		20		0	18	2	0
515 - Steel Protective Coating		1593	sq. ft.	1393	70	130	0
3440 - Effectiveness (Steel Protective Coatings)		200		0	70	130	0
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	87	14	1	0
1080 - Delamination/Spall/Patched Area		2		0	2	0	0
1120 - Efflorescence/Rust Staining		1		0	0	1	0
1130 - Cracking (RC and Other)		12		0	12	0	0
311 - Movable Bearing	1- Ben.	5	each	0	0	5	0
1000 - Corrosion		5		0	0	5	0
313 - Fixed Bearing	1- Ben.	5	each	0	0	5	0
1000 - Corrosion		5		0	0	5	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	86	ft.	77	6	3	0
1090 - Exposed Rebar		9		0	6	3	0

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Pictures

PHOTO 1

Description

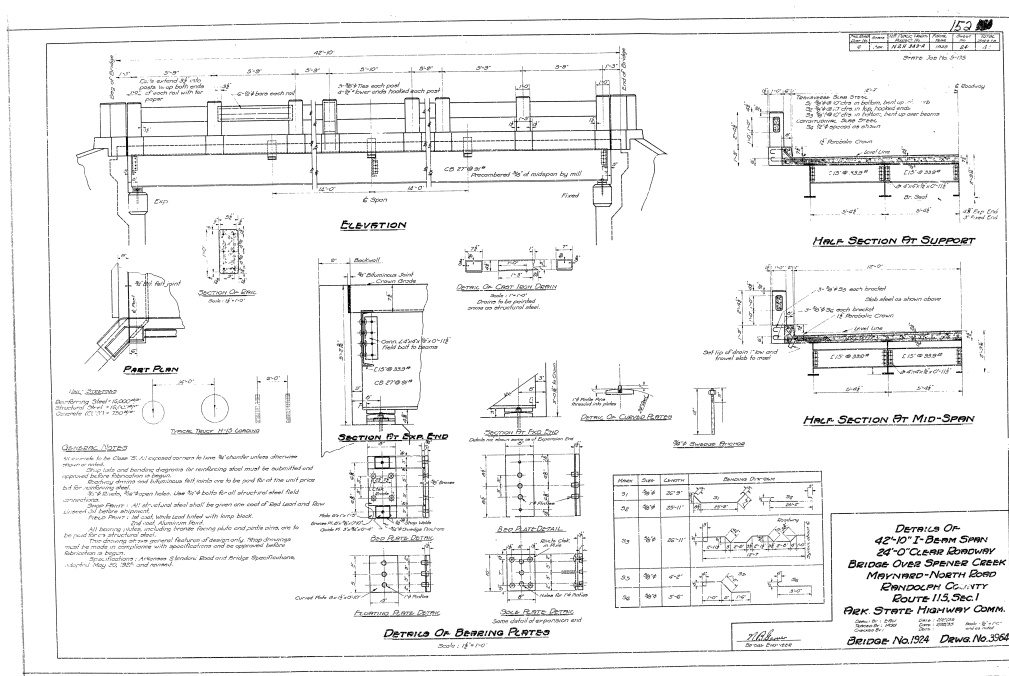


PHOTO 1

Description	Cross Section View
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Bridge Inspection Report

Pictures

PHOTO 1

Description

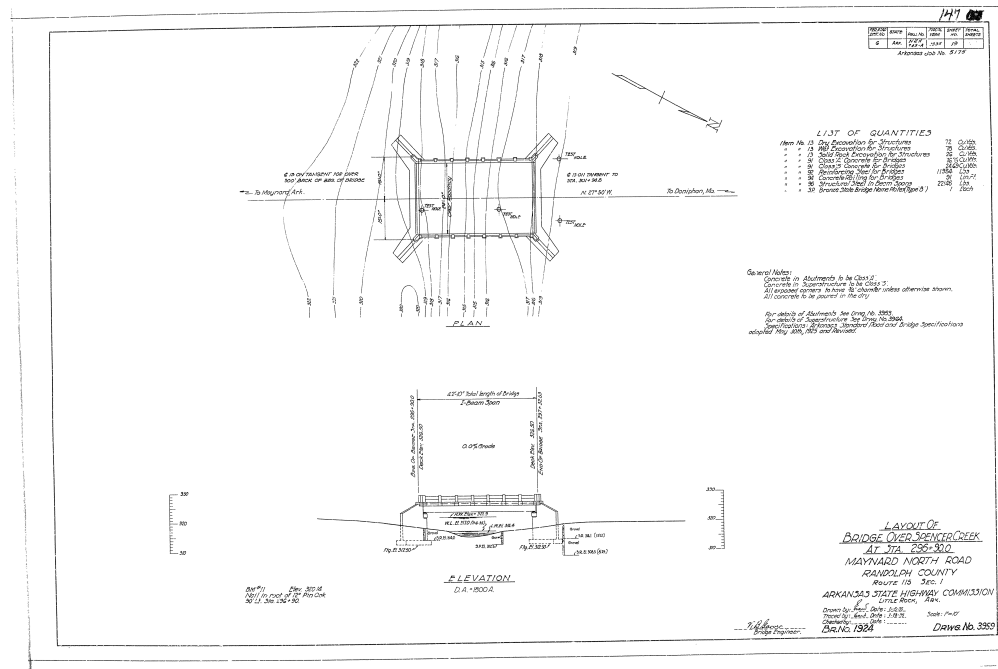


PHOTO 2

Description Layout View

Inspector:

Inspection Date:

Structure Number: 01924

Facility Carried: SH 115-01- LM 0.93

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 01924

Inspection Date:

Facility Carried: SH 115-01- LM 0.93

Bridge Inspection Report

Maintenance Needs

Date Reported: 09/04/2019

Priority: D - Routine

Work Code:

Deficiency Description:

Abutment 2 has a moderate width vertical crack with rust stains near centerline. Cap portion has a 5' horizontal crack/delaminated area.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 01924

Inspection Date:

Facility Carried: SH 115-01- LM 0.93

Bridge Inspection Report

Maintenance Needs

Date Reported: 09/03/2019

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Soffit has transverse cracks with efflorescence and rust stains, a few delaminated areas, and a few spalls with rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: 01924

Inspection Date:

Facility Carried: SH 115-01- LM 0.93

Bridge Inspection Report

Maintenance Needs

Date Reported: 09/03/2019

Priority: D - Routine

Work Code:

Deficiency Description:

Bearings have pack rust and section loss.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 01924

Inspection Date:

Facility Carried: SH 115-01- LM 0.93

Bridge Inspection Report

Maintenance Needs

Date Reported: 09/03/2019

Priority: D - Routine

Work Code:

Deficiency Description:

Steel girders have areas of minor measurable section loss on ends over caps. A few girder ends have flaking rust.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Girder 1 at bent 1

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Bridge Inspection Report

Maintenance Needs

Date Reported: 09/03/2019

Priority: C - Important

Work Code:

Deficiency Description:

Asphalt wearing surface has a few unsealed transverse cracks. Asphalt has areas of spalls and delaminations along edges

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 09/03/2019

Priority: D - Routine

Work Code:

Deficiency Description:

Bridge rail posts have a few small spalls with rebar exposed.

Bent 1 Lt post has minor collision damage with exposed rebar.

Work Description:

Date Repairs Completed:

Maintenance Comments:
