

Bridge Inspection Report

05063
SH 19-SEC 5-1.80
over
I 30-SEC 13-46.19



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

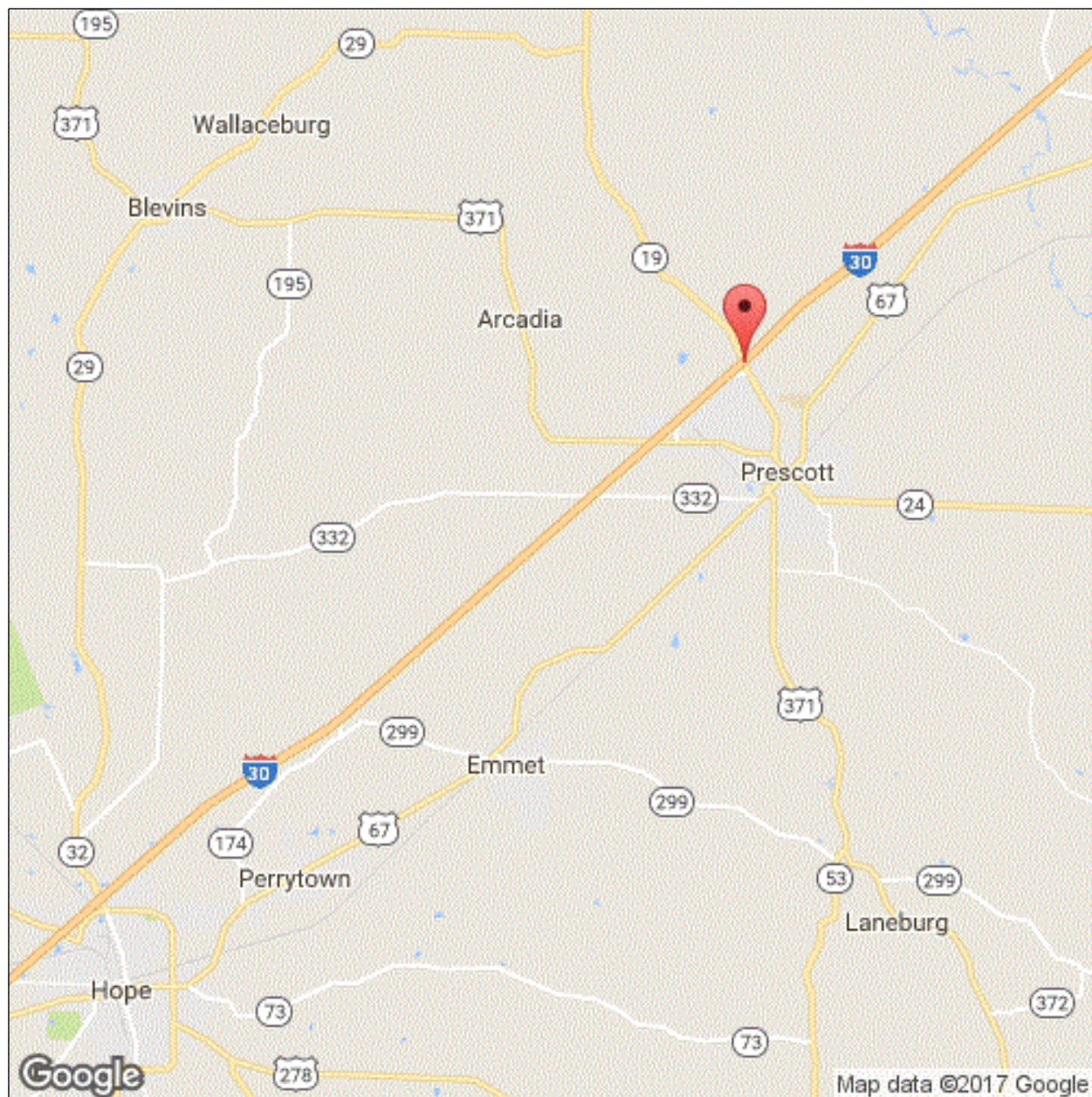
Structure Number: 05063

Inspection Date:

Facility Carried: SH 19-SEC 5-1.80

Bridge Inspection Report

Location Map



Latitude: 33.831024

Longitude: -93.394737

Inspector:

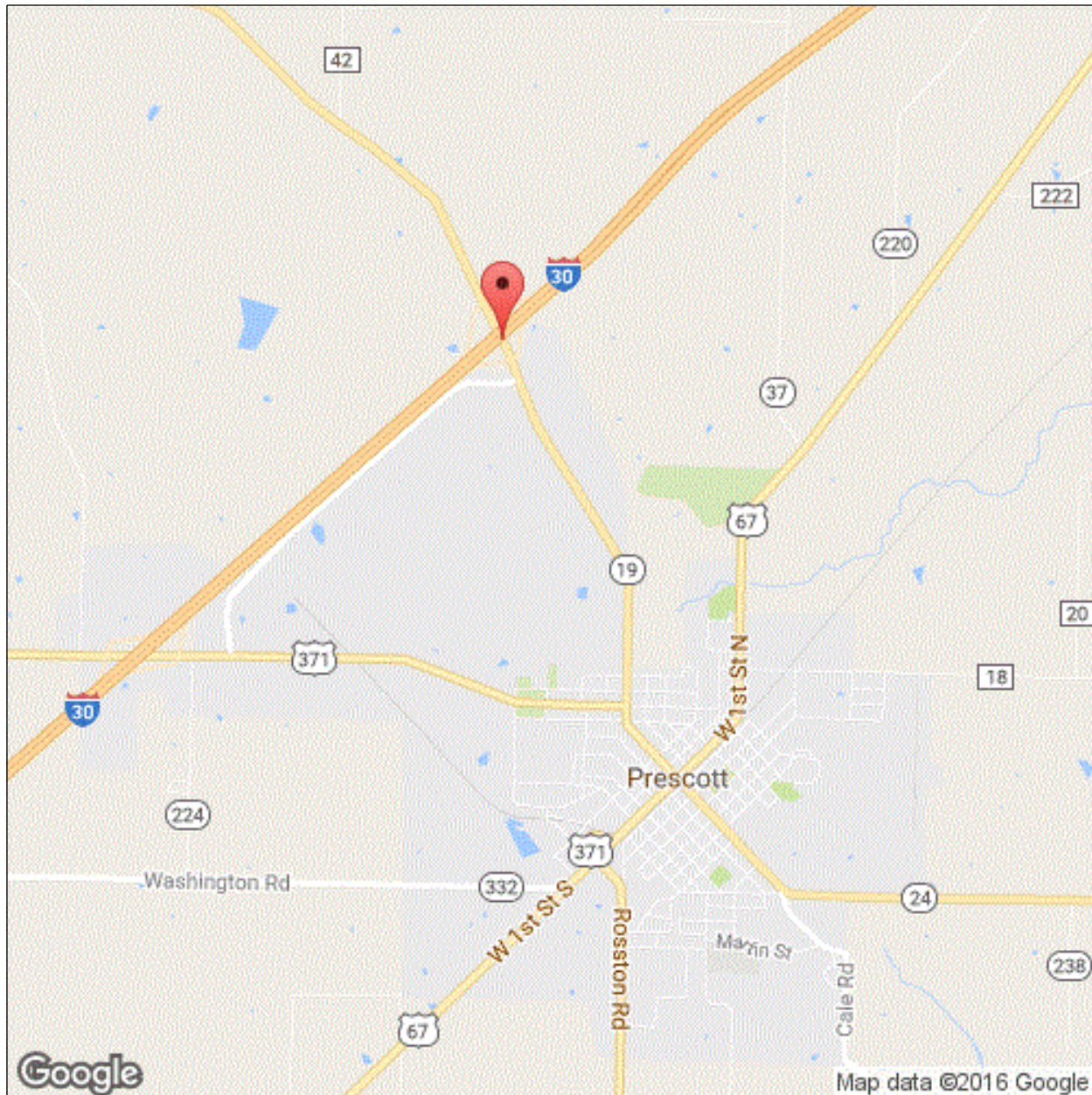
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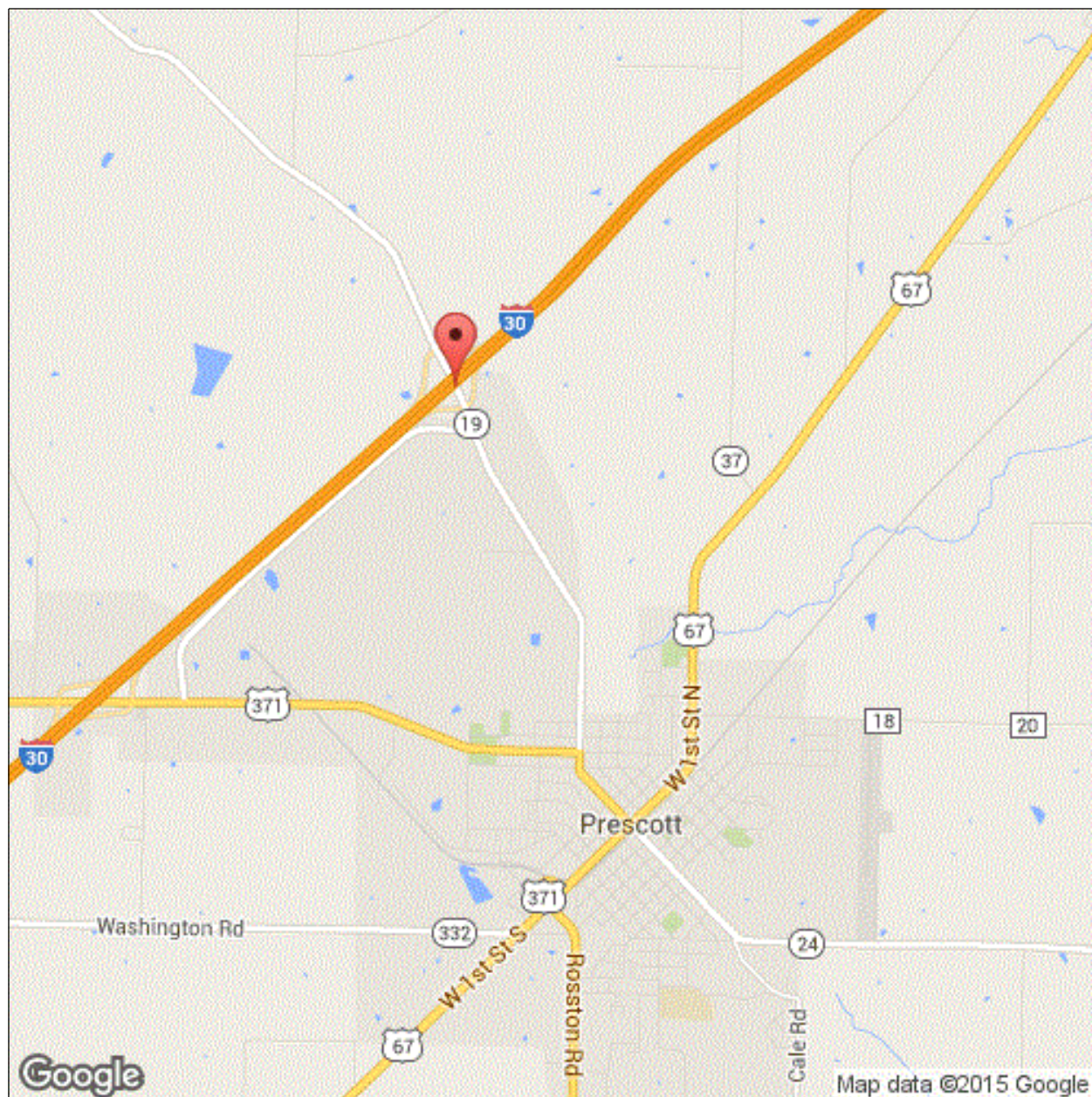
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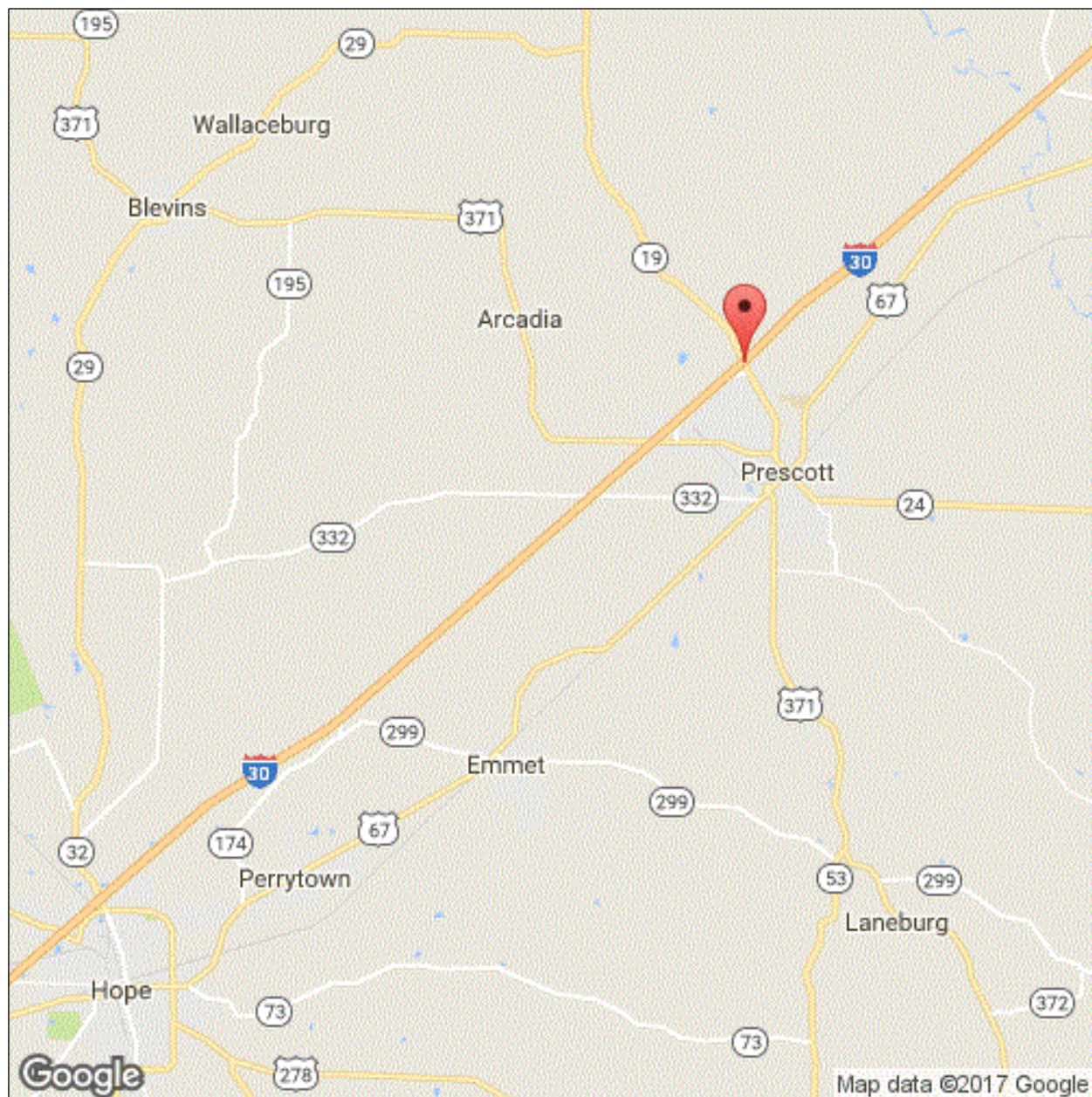
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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/31/2016
(8) STRUCTURE NUMBER	05063	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 19 0	(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	I 30-SEC 13-46.19	C. OTHER SPECIAL	Y 12 10/23/2017
(7) FACILITY CARRIED	SH 19-SEC 5-1.80		
(9) LOCATION	1.8 MI NW OF SH 24		
(11) MILEPOINT 1.800	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.831024	(17) LONGITUDE -93.394737		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	4
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN:	3 - Steel		
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder		
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH	2	
(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	1969 (106) YEAR RECONSTRUCTED	0000	
(42) TYPE OF SERVICE	ON 1 UNDER 1	(31) DESIGN LOAD	5
(28) LANES	ON 02 UNDER 04	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(29) AVERAGE DAILY TRAFFIC	8500 (19) BYPASS DETOUR LENGTH	(64) OPERATING RATING	60
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(66) INVENTORY RATING	36
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	90 (49) STRUCTURE LENGTH (ft.)	331	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.5 RIGHT 0.5	(67) STRUCTURAL EVALUATION	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	39.0	(68) DECK GEOMETRY	5
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.7	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	5
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(71) WATERWAY ADEQUACY	N
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(72) APPROACH ROADWAY ALIGNMENT	8
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(36) TRAFFIC SAFETY FEATURE	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	39.4	36A) BRIDGE RAILINGS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36B) TRANSITIONS:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	H 16.08	36C) APPROACH GUARDRAIL:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 29.6	36D) APPROACH GUARDRAIL ENDS:	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	29.8	(113) SCOUR CRITICAL BRIDGES	N
		SUFFICIENCY RATING	90.3 STATUS 1
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	1749 (115) YEAR OF FUTURE ADT	(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	N
		(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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Bridge Inspection Report

Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	13867	sq. ft.	9624	3182	1061	0
1080 - Delamination/Spall/Patched Area		4225		0	3182	1043	0
107 - Steel Open Girder/Beam	1- Ben.	1947	ft.	1947	0	0	0
515 - Steel Protective Coating		92141	sq. ft.	90300	0	1841	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		1841		0	0	1841	0
215 - Reinforced Concrete Abutment	1- Ben.	100	ft.	64	36	0	0
1080 - Delamination/Spall/Patched Area		36		0	36	0	0
227 - Reinforced Concrete Pile	1- Ben.	8	each	8	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	246	ft.	200	45	1	0
300 - Strip Seal Expansion Joint	1- Ben.	161	ft.	101	0	40	20
2320 - Seal Adhesion		40		0	0	40	0
2330 - Seal Damage		20		0	0	0	20
311 - Movable Bearing	1- Ben.	30	each	30	0	0	0
515 - Steel Protective Coating		60	sq. ft.	60	0	0	0
313 - Fixed Bearing	1- Ben.	30	each	30	0	0	0
515 - Steel Protective Coating		60	sq. ft.	60	0	0	0
333 - Other Bridge Railing	1- Ben.	660	ft.	660	0	0	0

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Element Inspection

APPROACH

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	3705	sq. ft.	3647	55	3	0
	Deck recalculated using out to out measurements. 1080- BENTS 1, 5, AND 6 AT JOINT 55 SQ FT PATCHED. 1090- SPAN 1 DECK DRAINS HAVE REBAR EXPOSED.						
1080 - Delamination/Spall/Patched Area		55			55		
1090 - Exposed Rebar		3				3	
107 - Steel Open Girder/Beam	1- Ben.	522	ft.	522			
	3420- PAINT PEELING IN VARIOUS LOCATIONS ALL SPANS. 2%						
515 - Steel Protective Coating		20749	sq. ft.	20335	0	414	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		414				414	
215 - Reinforced Concrete Abutment	1- Ben.	100	ft.	64	36	0	0
	1080- BENT 1 AND 6 TOP OF HEADWALLS PATCHED.						
1080 - Delamination/Spall/Patched Area		36			36		
234 - Reinforced Concrete Pier Cap	1- Ben.	82	ft.	82	0	0	0
300 - Strip Seal Expansion Joint	1- Ben.	161	ft.	101	0	40	20
	JOINT AT BENT 2 AND 5 SOME SEAL MISSING OR LEAKING .PHOTO TAKEN 2017						
2320 - Seal Adhesion		40				40	
2330 - Seal Damage		20					20
311 - Movable Bearing	1- Ben.	12	each	12			
515 - Steel Protective Coating		24	sq. ft.	24			
313 - Fixed Bearing	1- Ben.	12	each	12			
515 - Steel Protective Coating		24	sq. ft.	24			
333 - Other Bridge Railing	1- Ben.	174	ft.	174			

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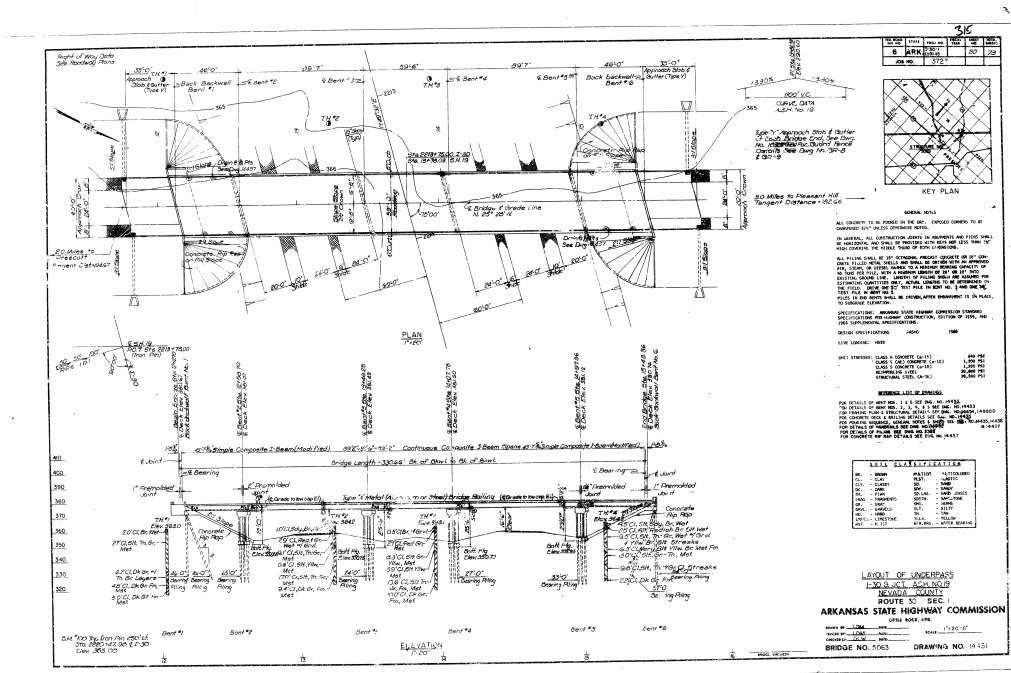
Main

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	10162	sq. ft.	5977	3127	1058	0
	1080- 30% + OF TOTAL DECK AREA IS DISTRESSED AND OR PATCHED; Recalculated deck area based on out to out measurement. 1090- EXPOSED REBAR BOTTOM OF DECK. 10/23/2017 PATCH WORK DONE ON TOP OF BRIDGE , THIS WAS DONE OVER OLD PATCH WORK						
1080 - Delamination/Spall/Patched Area		4170			3127	1043	
1090 - Exposed Rebar		15				15	
107 - Steel Open Girder/Beam	1- Ben.	1425	ft.	1425			
	3420- PAINT PEELING IN VARIOUS LOCATIONS ALL SPANS. AROUND 2%						
515 - Steel Protective Coating		71392	sq. ft.	69965	0	1427	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		1427				1427	
227 - Reinforced Concrete Pile	1- Ben.	8	each	8			
234 - Reinforced Concrete Pier Cap	1- Ben.	164	ft.	118	45	1	0
	1080- bent 2 cap patched, bent 5 cap small 1' spall 1130- horizontal cracking bent 5 cap						
1080 - Delamination/Spall/Patched Area		31			30	1	
1130 - Cracking (RC and Other)		15			15		
311 - Movable Bearing	1- Ben.	18	each	18			
515 - Steel Protective Coating		36	sq. ft.	36			
313 - Fixed Bearing	1- Ben.	18	each	18			
515 - Steel Protective Coating		36	sq. ft.	36			
333 - Other Bridge Railing	1- Ben.	486	ft.	486			

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Pictures



Description JOB #3723

Description FORM III-B

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/3/2011 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

PAINT IS PEELING OFF IN VARIOUS LOCATIONS
ON STEEL BEAMS IN ALL SPANS

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Paint peeling in various locations

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/3/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

JOINT BENT #2 SOME OF THE JOINT MISSING
LAST 3' OF SEAL IS PUSHING UP OUT OF JOINT WITH 1' MISSING ON LEFT SIDE.
BENT #5 SOME DETERIORATION AND OR MISSING.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 2 joint 1 foot missing at left white line

Stage: Assigned



PHOTO 2 Description

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Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description

Stage: Assigned



PHOTO 4 Description Bent 2 joint

Stage: Assigned



PHOTO 5 Description Bent 5 joint deterioration

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/3/2011 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

STEEL DIAPHRAM IN
SPAN #4- 3rd BAY 3rd DIAPHRAM
LOOSE CONNECTION AND ONE MISSING BOLT.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1	Description	Missing bolt 3rd diaphragm span 4 bay
		3

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Maintenance Needs

Date Reported: 5/3/2011 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

SPAN 1 DECK DRAINS SPALLS WITH REBAR EXPOSED.

SPAN 2 BAY 2, SPAN 3 BAY 4 SPALLS WITH REBAR ON BOTTOM OF DECK.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 3 spalls bottom of deck

Stage: Assigned



PHOTO 2 Description Span 3 bay 2 spall

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Maintenance Needs

Stage: Assigned



PHOTO 3 Description Span 2 all bays spalls with rebar

Stage: Assigned



PHOTO 4 Description Spalls at drains

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Maintenance Needs

Date Reported: 10/31/2016

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

NORTH FACE BENT 5 CAP HORIZONTAL CRACKING UNDER BEAM 4, 5, and 6. WITH SPALL UNDER BEAM 6 BEARING

Work Description:

CHIPPED OUT REPOURED SPALLS

Date Repairs Completed: 12/15/2016

Maintenance Comments:

CHIPPED OUT REPOURED SPALLS

Stage: Open



PHOTO 1	Description	Bent 5 cap north face. Crack under beam 4, 5, and 6 and spall under bent 6 bearing
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