

Bridge Inspection Report

A5189
I-555SB-02-LM 0.33
over
SAINT FRANCIS RIVER



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: A5189

Inspection Date:

Facility Carried: I-555SB-02-LM 0.33

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/17/2016
(8) STRUCTURE NUMBER	A5189	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 3	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 111	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	41400	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	SAINT FRANCIS RIVER	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555SB-02-LM 0.33		
(9) LOCATION	0.33 MI E SH 75	CONDITION	
(11) MILEPOINT 13.31	(12) BASE HIGHWAY NETWORK 1	(58) DECK	6
(13A) LRS INVENTORY ROUTE	0000063090 (13B) SUBROUTE NUMBER 00	(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 7
(16) LATITUDE 35.52338	(17) LONGITUDE -90.42427	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	5
		(63) METHOD USED TO DETERMINE OPERATING RATING	1
		(64) OPERATING RATING	60.0
		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
		(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
STRUCTURE TYPE AND MATERIAL		APPRAISAL	
(43) STRUCTURE TYPE, MAIN		(67) STRUCTURAL EVALUATION	6
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(68) DECK GEOMETRY	6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(44) STRUCTURE TYPE, APPROACH SPANS		(71) WATERWAY ADEQUACY	9
A) KIND OF MATERIAL/DESIGN: 0 - Other		(72) APPROACH ROADWAY ALIGNMENT	8
B) TYPE OF DESIGN/CONSTR: 00 - Other		(36) TRAFFIC SAFETY FEATURE	
(45) NUMBER OF SPANS IN MAIN 7	(46) NUMBER OF APPROACH 0	36A) BRIDGE RAILINGS:	1
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1	36B) TRANSITIONS:	1
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0	36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
AGE OF SERVICE		(113) SCOUR CRITICAL BRIDGES	5
(27) YEAR BUILT 1970	(106) YEAR RECONSTRUCTED 0000	SUFFICIENCY RATING	0 STATUS 96.9
(42) TYPE OF SERVICE ON 1 UNDER 5		CLASSIFICATION	
(28) LANES ON 02 UNDER 00		(112) NBIS BRIDGE LENGTH	Y
(29) AVERAGE DAILY TRAFFIC 12300	(19) BYPASS DETOUR LENGTH 1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(100) STRAHNET HIGHWAY DESIGNATION	1
		(101) PARALLEL STRUCTURE DESIGNATION	R
		(102) DIRECTION OF TRAFFIC	1
		(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
GEOMETRIC DATA		(22) OWNER	01
(48) LENGTH OF MAX SPAN (ft.) 60	(49) STRUCTURE LENGTH (ft.) 422	(37) HISTORICAL	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.5 RIGHT 0.5		NAVIGATION DATA	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	39.0	(38) NAVIGATION CONTROL	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.3	(111) PIER OR ABUTMENT PROTECTION	5
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(39) NAV VERT CLEARANCE (ft.)	0
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 30	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0		
PROPOSED IMPROVEMENTS			
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT 7450	(115) YEAR OF FUTURE ADT 2028		

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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.	17850	sq. ft.	16029	1821	0	0
1080 - Delamination/Spall/Patched Area		998			998		
1090 - Exposed Rebar		343			343		
1130 - Cracking (RC and Other)		480			480		
107 - Steel Open Girder/Beam	1- Ben.	2940	ft.	2548	392	0	0
1000 - Corrosion		392			392		
515 - Steel Protective Coating		18450	sq. ft.	16051	2399	0	0
3440 - Effectiveness (Steel Protective Coatings)		2399			2399		
215 - Reinforced Concrete Abutment	1- Ben.	106	ft.	106			
227 - Reinforced Concrete Pile	1- Ben.	36	each	36			
234 - Reinforced Concrete Pier Cap	1- Ben.	267	ft.	267			
302 - Compression Joint Seal	1- Ben.	312	ft.	312			
311 - Movable Bearing	1- Ben.	49	each	0	49	0	0
1000 - Corrosion		49			49		
313 - Fixed Bearing	1- Ben.	49	each	0	49	0	0
1000 - Corrosion		49			49		
333 - Other Bridge Railing	1- Ben.	844	ft.	844			