

Bridge Inspection Report

**B1253
US 79
over
WEST OLD WHITE RIVER**



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: B1253

Inspection Date:

Facility Carried: US 79

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION					INSPECTIONS				
(1) STATE CODE	056 - Arkansas				(90) INSPECTION DATE	09/21/2015			
(8) STRUCTURE NUMBER	B1253				(91) DESIGNATED INSPECTION FREQUENCY	24			
(5) INV. ROUTE (ON/UNDER)	1	2	1	79	0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE		
(2) HIGHWAY AGENCY	01	(3) COUNTY CODE	095			A. FRACTURE CRITICAL DETAIL	N		
(4) PLACE CODE	00000				B. UNDERWATER INSPECTION	N			
(6) FEATURES INTERSECTED	WEST OLD WHITE RIVER				C. OTHER SPECIAL	Y	48	09/21/2015	
(7) FACILITY CARRIED	US 79				CONDITION				
(9) LOCATION	2 MI W JCT SH 241				(58) DECK	7			
(11) MILEPOINT	7.200	(12) BASE HIGHWAY NETWORK	1			(59) SUPERSTRUCTURE	6	(60) SUBSTRUCTURE	6
(13A) LRS INVENTORY ROUTE	0000079130		(13B) SUBROUTE NUMBER	00					
(16) LATITUDE	34.675686		(17) LONGITUDE	-91.337746					
(98A) BORDER BRIDGE CODE					(61) CHANNEL & CHANNEL PROTECTION	8	(62) CULVERT	N	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT				LOAD RATING AND POSTING				
STRUCTURE TYPE AND MATERIAL					(31) DESIGN LOAD	2			
(43) STRUCTURE TYPE, MAIN					(63) METHOD USED TO DETERMINE OPERATING RATING	1			
A) KIND OF MATERIAL/DESIGN:	3 - Steel				(64) OPERATING RATING	60.0			
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder				(65) METHOD USED TO DETERMINE INVENTORY RATING	1			
(44) STRUCTURE TYPE, APPROACH SPANS					(66) INVENTORY RATING	36.0			
A) KIND OF MATERIAL/DESIGN:	0 - Other				(70) BRIDGE POSTING	5			
B) TYPE OF DESIGN/CONSTR:	00 - Other				(41) STRUCTURE OPEN/POSTED/CLOSED	A			
(45) NUMBER OF SPANS IN MAIN	55	(46) NUMBER OF APPROACH	0			APPRAISAL			
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	1			(67) STRUCTURAL EVALUATION	6		
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0			(68) DECK GEOMETRY	2		
AGE OF SERVICE					(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N			
(27) YEAR BUILT	1931	(106) YEAR RECONSTRUCTED	0000			(71) WATERWAY ADEQUACY	8		
(42) TYPE OF SERVICE	ON 1	UNDER 5				(72) APPROACH ROADWAY ALIGNMENT	6		
(28) LANES	ON 02	UNDER 00				(36) TRAFFIC SAFETY FEATURE			
(29) AVERAGE DAILY TRAFFIC	3100	(19) BYPASS DETOUR LENGTH	41			36A) BRIDGE RAILINGS:	0		
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014					36B) TRANSITIONS:	1		
(109) AVERAGE DAILY TRUCK TRAFFIC	1					36C) APPROACH GUARDRAIL:	1		
GEOMETRIC DATA					36D) APPROACH GUARDRAIL ENDS:	1			
(48) LENGTH OF MAX SPAN (ft.)	68	(49) STRUCTURE LENGTH (ft.)	3742			(113) SCOUR CRITICAL BRIDGES	5		
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT 0				SUFFICIENCY RATING	2	STATUS	68.5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.6				CLASSIFICATION				
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.5				(112) NBIS BRIDGE LENGTH	Y			
(32) APPROACH ROADWAY WIDTH (ft.)	30.8				(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1			
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	0			(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02		
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99			(100) STRAHNET HIGHWAY DESIGNATION	0		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.6				(101) PARALLEL STRUCTURE DESIGNATION	N			
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99				(102) DIRECTION OF TRAFFIC	2			
(54) VERTICAL UNDER CLEARANCE (ft.)	N		0		(103) TEMP STRUCTURE				
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N		99.9		(105) FEDERAL LANDS HIGHWAYS	0			
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0				(110) DESIGNATED NATIONAL NETWORK	1			
PROPOSED IMPROVEMENTS					(20) TOLL	3			
(75A) TYPE OF WORK PROPOSED	31	(75B) WORK DONE BY	1			(21) MAINTENANCE RESPONSIBILITY	01		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	3742.0				(37) HISTORICAL	1			
(94) BRIDGE IMPROVEMENT COST (\$)	0				NAVIGATION DATA				
(95) ROADWAY IMPROVEMENT COST (\$)	235				(38) NAVIGATION CONTROL	0			
(96) TOTAL PROJECT COST	7548				(111) PIER OR ABUTMENT PROTECTION	1			
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2004				(39) NAV VERT CLEARANCE (ft.)	0			
(114) FUTURE ADT	4245	(115) YEAR OF FUTURE ADT	2028			(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.	106647	sq. ft.	106647			
	SPAN #48 BAY #2 2'X3' SPALL WITH EXPOSED REBAR ON UNDERSIDE OF DECK. SPAN #5 BENT #5 BAY #3 SMALL SPALL WITH EXPOSED REBAR. SPAN #19 BAY #3 SOFFIT SPALLED AT BENT #19 WITH EXPOSED REBAR.Span# 46 at bent # 46 soffit spall in bay #2 with exposed rebar.						
107 - Steel Open Girder/Beam	1- Ben.	14968	ft.	0	13848	1120	0
	ALL GIRDERS ARE CORRODED ON ENDS LAST 5' ON WEB AND BOTTOM FLANGE WITH SECTION LOSS OF 15% TO 20%.						
1000 - Corrosion		14968			13848	1120	
515 - Steel Protective Coating		134113	sq. ft.	0	131603		2510
3440 - Effectiveness (Steel Protective Coatings)		134113			131603		2510
205 - Reinforced Concrete Column	1- Ben.	108	each	101		7	0
	Bent # 40 left column has 2"x3"x3" spall with exposed primary rebar (20% +- sect. loss). Bent # 45 left column has a spall on corner, exposed primary rebar (20% +- sect. loss). BENT #21 RIGHT COLUMN AHEAD FACE HAS SEVERAL SPALLS WITH EXPOSED REBAR. BENTS # 21,22,23 LEFT COLUMNS HAVE MODERATE SPALLS WITH NO EXPOSED REBAR.						
1080 - Delamination/Spall/Patched Area		4				4	
1090 - Exposed Rebar		3				3	
215 - Reinforced Concrete Abutment	1- Ben.	90	ft.	90			
234 - Reinforced Concrete Pier Cap	1- Ben.	1242	ft.	1242			0
	BENTS #39,40,43,45,46,49,52,53,54,55 HAVE SPALLS ON BOTTOM CHORD WITH EXPOSED REBAR. REBAR HAS MINOR SECTION LOSS.						
1090 - Exposed Rebar							
304 - Open Expansion Joint	1- Ben.	1568	ft.	1568			
515 - Steel Protective Coating		3136	sq. ft.	0		2352	784
3440 - Effectiveness (Steel Protective Coatings)		3136				2352	784
311 - Movable Bearing	1- Ben.	220	each	0		220	0
	BEARINGS ARE RUSTED WITH LAMINATIONS WITH SECTION LOSS WITH UP TO 5%.						
1000 - Corrosion		220				220	
515 - Steel Protective Coating		440	sq. ft.	0			440
3440 - Effectiveness (Steel Protective Coatings)		440					440
313 - Fixed Bearing	1- Ben.	220	each	0		220	0
	BEARINGS ARE RUSTED WITH LAMINATIONS WITH SECTION LOSS WITH UP TO 5%.						
1000 - Corrosion		220				220	
515 - Steel Protective Coating		440	sq. ft.	0			440

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3440 - Effectiveness (Steel Protective Coatings)		440					440
331 - Reinforced Concrete Bridge Railing	1- Ben.	7484	ft.	7448		36	0
	RAILING HAS SEVERAL AREAS OF SPALLS WITH EXPOSED REBAR						
1090 - Exposed Rebar		36				36	

BRIDGE # B1253
TOP VIEW



Note: No overlay on bridge deck





Typical girder end





