

Bridge Inspection Report

B6525
US 65 NB LM 6.41
over
Union Pacific Railroad



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: B6525

Inspection Date:

Facility Carried: US 65 NB LM 6.41

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/23/2017
(8) STRUCTURE NUMBER	B6525	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 65 1	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 069	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Union Pacific Railroad	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 65 NB LM 6.41		
(9) LOCATION	3.2 Mi SW US 425-Glenlake		
(11) MILEPOINT 6.410	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000065150 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.18041	(17) LONGITUDE -91.86103		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(59) SUPERSTRUCTURE	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	8
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	N
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1997	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 2		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 8152	(19) BYPASS DETOUR LENGTH 50	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 88	(49) STRUCTURE LENGTH (ft.) 411	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	9
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.8		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 55	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 41.3		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) R 23.50		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) R 24.0		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0
		STATUS	84.7
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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	2
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 4053	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	N
		(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.	17590	sq. ft.	17179	0	411	0
	Deck: 42.8' wide x 411' long. All spans: Unsealed, minor- to moderate-sized longitudinal cracking along the inside wheel path of the left (outside) lane (over top of Girder 3) (411 - CS3) . All spans: A few scattered, unsealed, hairline- to minor-sized transverse cracks. Scattered hairline- to minor-sized map cracking, mainly in left (outside) lane.						
1130 - Cracking (RC and Other)		411			3288	411	
107 - Steel Open Girder/Beam	1- Ben.	2040	ft.	2040			
	Girders: 5 per span / 408' total span. Coating (W36 x 182, 260, or 150): approximately 9.2 square feet per linear feet of girder. Some discoloration/variance in rust coating noted, mainly on outer web of outside girders under drains or cracks in overhang or on the high side of the bottom of bottom flange of high side girder.						
515 - Steel Protective Coating		18700	sq. ft.	18700	0	0	0
205 - Reinforced Concrete Column	1- Ben.	12	each	12			
	Columns: 3 per bent / Bents 2-5.						
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	102			
	Abutments: 51' each (skewed) / Bents 1 & 6. Bent 6 @ Bearing 3: Repaired area around anchor bolt.						
234 - Reinforced Concrete Pier Cap	1- Ben.	200	ft.	200			
	Caps: 50' each (skewed) / Bents 2-5.						
301 - Pourable Joint Seal	1- Ben.	100	ft.	0	0	100	0
	Joints: 50' each (skewed) / Bents 1 & 6. Bents 1 & 6: Material is coming loose from armor or tearing apart in various places, allowing water to seep through and some dirt and debris to build-up on caps and around bearings and ends of girders (100 - CS3).						
2320 - Seal Adhesion		100				100	100
310 - Elastomeric Bearing	1- Ben.	30	each	30			
	Bearings: 5 per bent / Bents 1-6.						
321 - Reinforced Concrete Approach Slab	1- Ben.	2880	sq. ft.	2880	0	0	0
	Approach slabs: 1440 square feet each / Bents 1 & 6. Bent 1: A couple of scattered, unsealed, minor-sized cracks. Some minor settlement of center of slab, mainly in right (inner) lane - causing slight bump for traffic coming off bridge. Bent 6: Unsealed, minor- to moderate-sized transverse crack just inside from center of slab.						
1130 - Cracking (RC and Other)		15				15	
4000 - Settlement		1440			1440		

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331 - Reinforced Concrete Bridge Railing	1- Ben.	822	ft.	822			
Railing: 411' each side. Spray-on finish beginning to wear and flake off in places.							