

Oklahoma Dept. of Transportation - Bridge Inspection Report

NBI No.: 16941	Structure No.: 4405 1252WX	Local ID: -1	Suff. Rating: 93.90	FO																														
Bridge Description: 30ft.-46ft.-30ft. I-BM. SPANS		IDENTIFICATION																																
1. State: Oklahoma 2. Division: Division 3 3. County: MCCLAIN 4. City: Unknown Admin Area: Unknown 5a. On/Under: Route On Structure 5b. Kind of Hwy: Interstate Hwy 5c. Lvl of Svc: Mainline 5d. Route No.: 00035 5e. Dir. Sufx: N/A (NBI)		7. Facility Carried: I-35 6. Feat. Intersect: S.H. 74 UNDER 9. Location: JCT I-35 & SH 74 11. Mile Post: 20.145 mi 13. LRS Inv. / Sub Rte: 4400005HV / 00 16. Latitude: 35° 01' 47.30" 17. Longitude: 097° 22' 33.95" 98. Border Brdg: Unknown (P) % Responsible: 0.00 99. Border Brdg #: Unknown																																
STRUCTURE TYPE AND MATERIALS		INSPECTION																																
43a/b. Main Span: Steel / Stringer/Girder 44a/b. Appr. Span: Unknown / Unknown (P) 45. # of Main Spans: 3 46. # of Appr. Spans: 0 107. Deck Type: Concrete-Cast-in-Place 108a. Wearing Surface: Monolithic Concrete 108b. Membrane: Unknown 108c. Deck protection: Unknown		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Insp. Req.</th> <th>Insp. Done</th> <th>Freq.</th> <th>Insp. Date</th> <th>Next Insp.</th> </tr> </thead> <tbody> <tr> <td>NBI:</td> <td></td> <td>1</td> <td>24 months</td> <td>9/2/2021</td> <td>09/02/2023</td> </tr> <tr> <td>FC:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> <tr> <td>UW:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> <tr> <td>OS:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>			Type	Insp. Req.	Insp. Done	Freq.	Insp. Date	Next Insp.	NBI:		1	24 months	9/2/2021	09/02/2023	FC:	N	0		NA	NA	UW:	N	0		NA	NA	OS:	N	0		NA	NA
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AGE AND SERVICE		CLASSIFICATION																																
19. Detour Length: 0.1 mi 27. Year Built: 1967 28a/b. Lanes on/und: 2 / 2 29. ADT: 15,100 30. Year of ADT: 2019 42a/b. Type of Svc on/und: Highway / Highway		12. Base Hwy Net.: On Base Network 20. Toll Facility: On free road 21. Custodian: State 22. Owner: State 26. Function Class: 01 Rural Interstate 37. Historical Sig.: Not eligible for NRHP 100. Def. Hwy: On Interstate STRAHNE																																
GEOMETRIC DATA		CONDITION																																
10. Vert. Clearance: 99.99 ft 32. Appr Rwy Width: 38.00 ft 33. Median: Open median 34. Skew: 0.00° 35. Struct. Flared: No flare 47. Horizontal Clr: 37.73 ft 48. Length Max Span: 46.92 ft 49. Struct. Length: 106.96 ft		58. Deck: 9 Excellent 62. Culvert: N/A (NBI) 59. Sup.: 9 Excellent 61. Chan./Chan. Prot.: N/A (NBI) 60. Sub: 7 Good Flowline Notes S.H. 74 BELOW																																
OKLAHOMA ITEMS		LOAD RATING AND POSTING																																
200c. Temperature: 93 200d. Weather: Cloudy 201. Struc.Stl. ASTM Desig.: -1 / 20 202. Waterprf. Membrane: -1 Date Installed: 01/01/1901 203. Type Exp. Device: Sealed Expansion Joint 204. Type of Railing: TR-4 205. Material Quantity: 339.00 208a. Type of Abutment: Skeleton b. Type of Found.: Steel Piling 209. Type of Pier/Found.: 2 / No No Piling/Drilled Shaft 210. Foundation Elev.: <table border="1" style="display: inline-table; margin-right: 10px;"> <tr><td>-1.00</td></tr> <tr><td>-1.00</td></tr> </table> <table border="1" style="display: inline-table; margin-right: 10px;"> <tr><td>-1.00</td></tr> <tr><td>-1.00</td></tr> </table> <table border="1" style="display: inline-table;"> <tr><td>-1.00</td></tr> <tr><td>-1.00</td></tr> </table> 211. Wear.Surf.Prot.Sys: None Date Installed: 01/01/1901 211c. Silane Reapplied 211d. Date: 213. Utilities Attached:		-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	31. Design Load: MS 18 (HS 20) 41. Post. Status: A Open, no restriction 70. Posting: 5 At/Above Legal Loads 63. Op / 65. Inv. Rating Meth.: 1 LF Load Factor / 1 LF Load Factor <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>H</th> <th>HS</th> <th>3-3</th> <th>EV3</th> <th>SHV</th> </tr> </thead> <tbody> <tr> <td>64. Operating Rating (tons):</td> <td>54.00</td> <td>72.00</td> <td>125.00</td> <td>61.00</td> <td>67.00</td> </tr> <tr> <td>66. Inventory Rating (tons):</td> <td>32.00</td> <td>43.00</td> <td>75.00</td> <td>36.00</td> <td></td> </tr> </tbody> </table>				H	HS	3-3	EV3	SHV	64. Operating Rating (tons):	54.00	72.00	125.00	61.00	67.00	66. Inventory Rating (tons):	32.00	43.00	75.00	36.00							
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OKLAHOMA ITEMS		APPRAISAL																																
214a. Posted Weight Limit: NR b. Posted Speed Limit: NR c. Narrow/1way Brdg Sign: No d. Vertical Clr. Sign: Yes Adv. Warning Sign: Yes e. Navigation Lights?: NA Working/Not Working: NA 215. Overpass: INTERSTATE 218. Functionally Obsolete: FO 220. Bridge Redecked: - 221. Substr.Cond.(U/W): 222. Fill Over RCB: 223. Appr.Slab/Rwy Cond.: 1 225. Paint Type/Ovrct: Weathering Steel(NoPain) N/A 226. Date Painted: 2017 227. Paint Color: Weathering 233. Deck Forming: 238. School Bus Rte.: Current & Desired route 240. Appr. Rwy Type.: Asphalt/Bituminous 243. Grdr Spacing/No.: /		64. Operating Rating (tons): 66. Inventory Rating (tons): 67. Str Evaluation: 7 Above Min Criteria 68. Deck Geom.: 6 Equal Min Criteria 69. Vert./Horiz. Undclr: 2 Intolerable - Rep 71. Waterway Adeq: N Not applicable 72. Appr. Alignment: 8 Equal Desirable Crit 113. Scour Critical: N Not Over Waterway																																
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Inspection Date: 9/2/21 Adam Hill
 Invoice No.: McClainCo2021 Inspected With: Erik Cox



BRIDGE NOTES:

#54 CLEARANCE ARE CONTROLLED BY E. STR. REHAB PROJECT COMPLETED 10/2017 NEW DECK / SLABS / BEAMS / PIER CAP ENCASEMENT.

INSPECTION NOTES: 9/2/21

PUNCH LIST: MINOR CRACKING TO THE PNEUMATICALLY PLACED MORTAR FOR EX&WX. WX HIMWIMM ONLY APPLIED TO THE NORTH END JOINT, NO WHERE ELSE.

ELEMENT CONDITION STATE DATA

Elem. / Env	Description	Unit	Total Qty	% 1	Qty. 1	% 2	Qty. 2	% 3	Qty. 3	% 4	Qty. 4
12 / 4	Re Concrete Deck	sq.ft	4,241.00	100%	4,241.00	0%	0.00	0%	0.00	0%	0.00
-1											
107 / 4	Steel Opn Girder/Beam	ft	380.50	100%	380.50	0%	0.00	0%	0.00	0%	0.00
-1											
515 / 4	Steel Protective Coating	sq.ft	1,171.00	100%	1,171.00	0%	0.00	0%	0.00	0%	0.00
-1											
205 / 4	Re Conc Column	each	4.00	50%	2.00	50%	2.00	0%	0.00	0%	0.00
PIER # 1, COL. # 1 HAS A 1 ft DIAM. DELAM @ THE TOP. PIER # 1, COL. # 2 HAS 3 ft TALL x 1 ft WIDE DELAMINATION.											
215 / 4	Re Conc Abutment	ft	78.70	63%	49.70	37%	29.00	0%	0.00	0%	0.00
SOME REPAIRS ARE CRACKING BACK OUT @ ABUT. FACES.											
234 / 4	Re Conc Pier Cap	ft	75.50	100%	75.50	0%	0.00	0%	0.00	0%	0.00
-1											
310 / 4	Elastomeric Bearing	each	30.00	100%	30.00	0%	0.00	0%	0.00	0%	0.00
-1											
321 / 4	Re Conc Approach Slab	sq.ft	2.00	100%	2.00	0%	0.00	0%	0.00	0%	0.00
FX- SLAB # 1, CLOSED LONGITUDINAL CRACK.											
331 / 4	Re Conc Bridge Railing	ft	213.00	100%	213.00	0%	0.00	0%	0.00	0%	0.00
870 / 4	Concrete Wingwall	(EA)	4.00	100%	4.00	0%	0.00	0%	0.00	0%	0.00
890 / 4	Steel SIP Form	(LF)	1.00	100%	1.00	0%	0.00	0%	0.00	0%	0.00
-1											
906 / 4	Sealed Exp.Jt.(SEJ-3	(LF)	40.00	100%	40.00	0%	0.00	0%	0.00	0%	0.00
-1											
916 / 4	St.Bearing Assembly	(LF)	1.00	100%	1.00	0%	0.00	0%	0.00	0%	0.00
-1											