



Structure Inventory and Appraisal

Bridge ID: MORGAN-130611
 FHWA No.: 130611

Official	SR: 79.5	SD/FO: Not Deficient or Obsolete
Unofficial	SR: 79.5	SD/FO: Not Deficient or Obsolete

IDENTIFICATION

7 Facility Carried: LOCAL
 5B Rte. Signing Prefix: 4
 5C Level of Service: 1 - MAINLINE
 5D Inventory Route: 00000
 City: RURAL
 3 County: 024 - Crawford
 9 Location: 085401203
 5E Directional Suffix: 0 - NOT APPLICABLE
 6 Feature Intersected: BEAVER CREEK
 2 District: 0
 Garage: 000
 98 Border Bridge Code:
 % Responsibility: 0
 99 Border Bridge No.:

INSPECTION

90 Inspection Date: 04/01/2016
 Next Routine Insp Date: 04/01/2018
 Inspection Agency: 5 - Consultant
 93A FC Inspection Date:
 92A FC Frequency: 0
 93B UW Inspection Date:
 92B UW Frequency: 0
 93C SI Date:
 92C SI Frequency: 0
 Other Non-NBI Date:
 Other Non-NBI Freq.:

Inspection Type: N/A
 91 Frequency: 24
 Next Insp Type: Regular
 Inspection Group: Crawford County
 Next FC Insp.: NA
 Next UW Insp.: NA
 Next Spec. Insp.: NA
 Next Other Insp.: NA

STRUCTURE TYPE AND MATERIALS

43A Main Span 3 - Steel
 43B Main Span Design: 02 - Stringer/Multi-beam or Girder
 45 No. Spans Main Unit: 1
 44A Appr. Span 000 - NA
 44B Appr. Span Design: 000 - NA
 46 No. of Appr. Spans: Near 0 Far 0
 107 Deck Type: 8 - Wood or Timber
 108A Wearing Surface: 8 - Gravel
 108B Membrane: 0 - None
 108C Deck Protection: 0 - None

CONDITION

58 Deck: 7 - Good Condition (some minor problems)
 59 Super: 7 - Good Condition (some minor problems)
 60 Sub: 7 - Good Condition (some minor problems)
 61 Channel/Channel Prot.: 7 - Bank protection needs minor repairs
 62 Culvert: N - Not Applicable

GEOMETRIC DATA

48 Length Max Span: 32 ft.
 49 Structure Length: 32 ft.
 34 Skew: 0°
 Deck Area: 808.4 sq. ft.
 50B Curb/Sdvw Width R: 0 ft.
 50A Curb/Sdvw Width L: 0 ft.
 51 Width Curb to Curb: 24.7 ft.
 52 Width Out to Out: 25.2 ft.
 32 Appr. Roadway width: 0 ft.
 (w/ Shoulders)
 33 Median: 0 - No median
 35 Structure Flared: 00 - No flare
 10 Vertical Clearance: 99'99"
 47 Horiz. Clearance: 24'00"
 53 Min. Vert. Clearance Over: 99'99"
 54B Min. Vert. Underclearance: 00'00"
 55 Min. Lat. Underclearance R: 00'00"
 56 Min. Lat. Underclearance L: 00'00"

APPRAISAL

67 Str. Evaluation: 5 - Somewhat better than minimum adequacy
 68 Deck Geometry: 6 - Equal to present minimum criteria
 69 Underclear Vert & Horiz: N - Not applicable
 71 Waterway Adequacy: 8 - Bridge Above Approaches
 72 Approach Alignment: 7 - Better than present minimum criteria
 36A Bridge Rail: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED.
 36B Transition: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
 36C Approach Rail: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
 36D Approach Rail Ends: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
 113 Scour Critical: 8 - Stable - Excellent Condition

NAVIGATION DATA

38 Navigation Control:
 0 - No navigation control on waterway (bridge permit not required)
 111 Pier Protection:
 39 Vertical Clearance: 00'00"
 40 Horiz. Clearance: 000'00"

LOAD RATING AND POSTING

31 Design Load: 0 - Unknown
 63 Rating Method: 1 - Load Factor (LF) reported in english tons using HS-20 loading.
 64 Operating Rating: 26.9 Tons
 65 Rating Method: 1 - Load Factor (LF) reported in english tons using HS-20 loading.
 66 Inventory Rating: 20.6 Tons
 70 Posting: 5 - Equal to or above legal loads
 41 Posting Status: A - Open

16 Latitude: 42.19628103 17 Longitude: -95.44057912

AGE AND SERVICE

27 Year Built: 2006 Design No.: 0
 106 Year Reconstructed: 0
 42A Type of Service on: 1 - Highway
 42B Type of Service Under: 5 - Waterway
 28A Lanes on: 2 28B Lanes under: 0
 29 ADT: 10 30 Year of ADT: 2012
 109 Truck ADT: 0% Speed Limit: 55
 19 Detour Length: 4 mi.

FRA No. (if RR Bridge):
 Mile Post:

CLASSIFICATION

112 NBIS Length: Y
 26 Functional Class: 09 - Rural - Local
 100 STRAHNET: 0 - Not a defense highway
 101 Parallel Structure: N - No parallel structure
 102 Direction of Traffic: 2 - 2-way traffic
 22 Owner: 02 - County Highway Agency
 21 Custodian: 02 - County Highway Agency
 37 Historical Significance: 3 - May be eligible for National Register
 75A Type of Work Proposed:
 75B Work Done by:



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13061/000

Crawford County Day Labor Bridge Construction

Prepared By: Wood Date: 4-26-06

Township: Marion Section: 12 E911 Rd.: B Ave

FHWA No.: 130611 Date Reconstructed: 2005

Describe Work: New Bridge

Bridge Length: <u>30' C-C</u>	Bridge Width: <u>24'</u>	Open Depth:				
Beam Info.	Deck Info.	Diaphragm Info.				
Beam Type: W <u>S</u>	Deck Type: <u>Wood</u>	# Bolts per Angle: <u>5</u>				
Beam Spacing: <u>31" C-C</u>	Top: <u>3x12</u> Longitudinal	Bolt Size: <u>3/4"</u>				
Beam Depth: <u>15"</u>	Bottom: <u>4x12</u> Transverse	Diaphragm Length: <u>31"</u>				
Flange: <table border="1"><tr><td>Width</td><td>Thickness</td></tr><tr><td><u>5 1/2"</u></td><td><u>7/16"</u></td></tr></table>	Width	Thickness	<u>5 1/2"</u>	<u>7/16"</u>	Spacing on Bottom: <u>27" C-C</u>	Diaphragm Size: <u>12"</u>
Width	Thickness					
<u>5 1/2"</u>	<u>7/16"</u>					
Web Thickness: <u>7/16"</u>						

Deck X-section With Beam Spacing

10 I Beams space @ 31" C-C

X-section With Diaphragm Spacing

Diaphragms @ ends and by points. Fastened w/ 5 bolts

Substructure Comments:

Comments:

Per Paul Assman 6/9/06
 Deck is ranset - Full lateral support
 Used steel
 Flange 5 1/2" wide 3/8" at edge, 7/8" at web