



Structure Inventory and Appraisal

Bridge ID: SOLDIER-130900
 FHWA No.: 130900

Official	SR: 46.3	SD/FO: Structurally Deficient
Unofficial	SR: 36.0	SD/FO: Structurally Deficient

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: 085411501
 5E Directional Suffix: 0 - NOT APPLICABLE
 6 Feature Intersected: SMALL STREAM
 2 District: 0
 Garage: 000
 98 Border Bridge Code:
 % Responsibility: 0
 99 Border Bridge No.:

INSPECTION

90 Inspection Date: 04/26/2014
 Next Routine Insp Date: 04/26/2016
 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: 6 - Satisfactory Condition (minor deterioration)
 59 Super: 6 - Satisfactory Condition (minor deterioration)
 60 Sub: 4 - Poor Condition (advanced deterioration)
 61 Channel/Channel Prot.: 6 - Bank slump. widespread minor damage
 62 Culvert: N - Not Applicable

GEOMETRIC DATA

48 Length Max Span: 32 ft.
 49 Structure Length: 33 ft.
 34 Skew: 0°
 Deck Area: 726.0 sq. ft.
 50B Curb/Sdwb Width R: 0 ft.
 50A Curb/Sdwb Width L: 0 ft.
 51 Width Curb to Curb: 22.0 ft.
 52 Width Out to Out: 22.0 ft.
 32 Appr. Roadway width: 26 ft.
 (w/ Shoulders)
 33 Median: 0 - No median
 35 Structure Flared: 00 - No flare
 10 Vertical Clearance: 99'99"
 47 Horiz. Clearance: 21'00"
 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: 4 - Meets minimum tolerable limits
 68 Deck Geometry: 5 - Somewhat better than minimum adequacy
 69 Underclear Vert & Horiz: N - Not applicable
 71 Waterway Adequacy: 5 - Occasional Flooding - Significant Delays
 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: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
 64 Operating Rating: 19.9 Tons
 65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
 66 Inventory Rating: 13.2 Tons
 70 Posting: 1 - 30.0-39.9% below legal loads
 41 Posting Status: P - Posted for Load

16 Latitude: 42.18235555 17 Longitude: -95.59855986

AGE AND SERVICE

27 Year Built: 1964 Design No.: 0
 106 Year Reconstructed: 2002
 42A Type of Service on: 1 - Highway
 42B Type of Service Under: 5 - Waterway
 28A Lanes on: 2 28B Lanes under: 0
 29 ADT: 15 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: 5 - Not eligible
 75A Type of Work Proposed: 31 - Replacement - Load/Geometry
 75B Work Done by: 1 - Work to be done by contract

