

## Structure Inventory and Appraisal

Bridge ID: SOLDIER-131081 Official SR: 59 SD/FO:

FHWA No.: 131081 Unofficial SR: 75.0 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: 085413601

5E Directional Suffix: 0 - NOT APPLICABLE

6 Feature Intersected: MIDDLE SOLDIER RIVER

2 District: 0
Garage: 000
98 Border Bridge Code:

% Responsibility: 0
99 Border Bridge No.:

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

107 Deck Type: 8 - Wood or Timber

108A Wearing Surface: 8 - Gravel
108B Membrane: 0 - None
108C Deck Protection: 0 - None

GEOMETRIC DATA

48 Length Max Span: 50 ft.
49 Structure Length: 50 ft.
34 Skew: 0°

Deck Area: 1255.0 sq. ft.

 50B Curb/Sdwk Width R:
 0 ft.

 50A Curb/Sdwk Width L:
 0 ft.

 51 Width Curb to Curb:
 24.1 ft.

 52 Width Out to Out:
 25.1 ft.

 32 Appr. Roadway width:
 28 ft.

(w/ Shoulders)

 33 Median:
 0 - No median

 35 Structure Flared:
 00 - No flare

 10 Vertical Clearance:
 99'99"

 47 Horiz. Clearance:
 24"

 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"

NAVIGATION DATA

0 - No navigation control on waterway (bridge permit not required)

111 Pier Protection:

38 Navigation Control:

39 Vertical Clearance: 00'00" 40 Horiz. Clearance: 000'00"

FRA No. (if RR Bridge):

Mile Post:

INSPECTION
90 Inspection Date: 04/26/2014 Inspe

 90 Inspection Date:
 04/26/2014
 Inspection Type:
 N/A

 Next Routine Insp Date:
 04/26/2016
 91 Frequency:
 24

Next Insp Type: Regular

Inspection Group:

Next FC Insp.:

Crawford County

NA

Inspection Agency: 5 - Consultant

93A FC Inspection Date:
92A FC Frequency: 0

93B UW Inspection Date:

92B UW Frequency: 0 Next UW Insp.: NA

93C SI Date:

0

92C SI Frequency: 0 Next Spec. Insp.: NA

Other Non-NBI Date:

Other Non-NBI Freq.: Next Other Insp.: NA

CONDITION

 58 Deck:
 8 - Very Good Condition (no problems noted)

 59 Super:
 7 - Good Condition (some minor problems)

 60 Sub:
 8 - Very Good Condition (no problems noted)

61 Channel/Channel Prot.: 6 - Bank slump. widespread minor damage

62 Culvert: N - Not Applicable

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: 6 - Occasional Overtopping of 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

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: 31.4 Tons

65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.

66 Inventory Rating: 20.9 Tons

70 Posting: 5 - Equal to or above legal loads

41 Posting Status: A - Open

AGE AND SERVICE

27 Year Built: 2002 Design No.: 0

106 Year Reconstructed: 042A 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.

CLASSIFICATION

112 NBIS Length: N

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:

75B Work Done by:

Crawford County Day Labor Bridge Construction		
Prepared By: Ross Word		11-12-03
Township: Soldier	Section:	E911 Rd.:
FHWA No.: /3/08/	Date Reconstructed:	
Describe Work: Re Aires	I would strongers	al Eleme
(Replaced wood strin	gers with I-Beams)	
		•
Bridge Length: 50	Bridge Width: 24	Open Depth:
Beam Info.	Deck info.	Diaphragm Info.
Beam Type: W S	Deck Type: 103d	# Bolts per Angle:
Beam Spacing: 33/2 C-C	Top: 3xx2 Longitudinal	Bolt Size:
Beam Depth: 24"	Bottom: 426 Transverse	Diaphragm Length: 33 を
Flange: 9" Thickness	Spacing on Bottom: 26" C-C	Diaphragm Size: 10 "
Web Thickness: 12"		42 Dallestons
Deck X-secton With Beam Spacing		
8-beams		
Occident Diaphragm Spacing  Occidence of Science  (Diaphragms at ends	& 4 middle points)	5
Substructure Comments:		
Comments: Las 13 Z-1	ap is 2-10" Channels	with steel plate welde