



## Structure Inventory and Appraisal

Bridge ID: WESTSIDE-128531  
FHWA No.: 128531

Official	SR:	SD/FO:
Unofficial	SR: 89.8	SD/FO: Not Deficient or Obsolete

**IDENTIFICATION**

7 Facility Carried: FM  
5B Rta. Signing Prefix: 4  
5C Level of Service: 1 - MAINLINE  
5D Inventory Route: 0000  
City: RURAL  
3 County: 024 - Crawford  
9 Location: 084371502  
6E Directional Suffix: 0 - NOT APPLICABLE  
6 Feature Intersected: BENTON CREEK  
2 District: 0  
Garage: 000  
98 Border Bridge Code:  
% Responsibility:  
99 Border Bridge No.:

**INSPECTION**

90 Inspection Date: 03/02/2016  
Next Routine Insp Date: 03/02/2018  
Inspection Agency: 5 - Consultant  
93A FC Inspection Date:  
92A FC Frequency:  
93B UW Inspection Date:  
92B UW Frequency:  
93C SI Date:  
92C SI Frequency:  
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 0000 Far 0000  
107 Deck Type: 8 - Wood or Timber  
108A Wearing Surface: 7 - Wood or Timber  
108B Membrane: 0 - None  
108C Deck Protection: 0 - None

**CONDITION**

58 Deck: 7 - Good Condition (some minor problems)  
59 Super: 8 - Very Good Condition (no problems noted)  
60 Sub: 8 - Very Good Condition (no problems noted)  
61 Channel/Channel Prot.: 8 - Banks are protected  
62 Culvert: N - Not Applicable

**GEOMETRIC DATA**

48 Length Max Span: 40 ft.  
49 Structure Length: 40 ft.  
34 Skew: 0°  
Deck Area: 984.0 sq. ft.  
50B Curb/Sdvw Width R: 0.0 ft.  
50A Curb/Sdvw Width L: 0.0 ft.  
51 Width Curb to Curb: 24.0 ft.  
52 Width Out to Out: 24.6 ft.  
32 Appr. Roadway width: 24 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: 6 - Equal to present minimum criteria  
68 Deck Geometry: 6 - Equal to present minimum criteria  
69 Underclear Vert & Horiz: N - Not applicable  
71 Waterway Adequacy: N - Not Applicable  
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:  
N - Not applicable, no waterway  
111 Pier Protection:  
39 Vertical Clearance: 00'00"  
40 Horiz. Clearance: 00'00"

**LOAD RATING AND POSTING**

31 Design Load: 5 - HS 20  
63 Rating Method: 1 - Load Factor (LF) reported in english tons using HS-20 loading.  
64 Operating Rating: 32.4 Tons  
65 Rating Method: 1 - Load Factor (LF) reported in english tons using HS-20 loading.  
66 Inventory Rating: 27.0 Tons  
70 Posting: 5 - Equal to or above legal loads  
41 Posting Status: A - Open

16 Latitude: 42.09305557      17 Longitude: -95.13024418

**AGE AND SERVICE**

27 Year Built: 2010      Design No.: 0  
106 Year Reconstructed: 0000  
42A Type of Service on: 1 - Highway  
42B Type of Service Under: 5 - Waterway  
28A Lanes on: 2      28B Lanes under: 0  
29 ADT: 50      30 Year of ADT: 2012  
108 Truck ADT: 8 %      Speed Limit: 55  
19 Detour Length: 4 mi.

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

**CLASSIFICATION**

112 NBIS Length: Y  
28 Functional Class: 08 - Rural - Minor Collector  
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: 38 - Other Structural Work  
75B Work Done by: 1 - Work to be done by contract

Date Printed: 2/6/2013

\* Sufficiency Rating 090

\* Do Not Change

Note

IDENTIFICATION COUNTY ENGR.

\* COUNTY/CITY CRAWFORD  
COUNTY ID WEST SIDE-128531  
\* 8 STRUCTURE NO 128531  
\* 5 INVENTORY ROUTE 141000000  
2 STATE AREA NO 3  
6 FEATURES CROSSED BENTON CREEK  
7 FACILITY CARRIED FM  
9 LOCATION 084371502  
11 MILE POINT 0.000  
98 BORDER BRIDGE CODE 000 SHARE 00 %  
\* 99 BORDER BRIDGE NO

INSPECTIONS

90 INSPECTION DATE 04 / 12  
91 FREQUENCY 24 MO  
92 CRITICAL FEATURE INSPECTION Y/N  
93 CFI DATE  
A FRACTURE CRIT DETAIL N MO A MO YR  
B UNDERWATER INSP N MO B MO YR  
C OTHER SPECIAL INSP N MO C MO YR  
Inspected By DALLAS R. SCHECHINGER  
Consulting Firm Name CALHOUN-BURNS & ASSOC.

STRUCTURE TYPE AND MATERIAL

43 MAIN STRUCTURE TYPE 302  
44 APPROACH TYPE NEAR 0 FAR 0  
O OF SPANS - MAIN 1  
44 NO OF APPR SPANS NEAR 00 FAR  
107 DECK TYPE 8  
108 WEARING SURFACE/PROTECTIVE SYSTEM 7 0 0

CONDITION

58 DECK MINOR ROCK RATING (9-0) 9 8  
59 SUPER 9 8  
60 SUB 9 8  
61 CHAN & PROT 8  
62 CULV N

AGE AND SERVICE

27 YEAR BUILT 2010  
106 YEAR RECONST 0000  
42 TYPE OF SERVICE 15  
28 LANES ON 2 UNDER 0  
\* 29 EST AVE DAILY TRAFFIC 60  
\* 30 YEAR ADT 2008  
\* 109 TRUCK ADT 00 % (PRIMARY ONLY)  
19 BYPASS, DETOUR LENGTH 4.000

LOAD RATING AND POSTING

31 DESIGN LOAD 0 64 OPERATING RATING 32.4 66 INVENTORY RATING 27.0  
63 METHOD USED - OPERATING RATING 2- 1 65 METHOD USED - INVENTORY RATING 2- 1  
70 BRIDGE POSTING --- 5 41 STRUCTURE OPEN, POSTED OR CLOSED A  
POSTED  
CALC OPER --- 442 --- 562 --- 660  
CALC INV --- 428 --- 545 --- 648

GEOMETRIC DATA

48 LONGEST SPAN 40 112 NBIS BR 0  
STRUCTURE LENGTH 40  
50 CURB OR SIDEWALK RT 0.0 LT 0.0  
51 BR RDWY WIDTH C-C 24.0  
52 DECK WIDTH O-O 24.6  
32 APPR RDWY WIDTH (W/ SHOULDERS) 24  
33 BRIDGE MEDIAN 0  
34 SKEW 0  
35 STRUCTURE FLARED --- 0  
10 MIN VERT CLEAR 3m LANE 99 99  
47 TOTAL HORIZ CLEAR RT 24 LT  
53 VERT CLEAR OVER BR RDWY RT 99 99 LT  
54 VERT UNDERCLEAR RT 0 00  
55 LAT UNDERCLEAR RT 0 00  
56 LAT UNDERCLEAR LT

APPRAISAL

67 STRUC EVAL LEGAL RATING (9-0) 6  
68 DECK GEO 6  
69 UNDERCLEAR, VERT & HORI N  
71 WATER ADQ N  
72 APP RDWY ALIG 8  
36 TRAFFIC SAFETY FEATURES 0000 113 SCOUR CRIT BR 8

NAVIGATION DATA

38 NAVIGATION CONTROL  
111 PIER PROTECTION  
39 NAV VERT CLEARANCE 0  
116 VERT-LIFT BR NAV MIN VERT CLEAR 00.0  
40 NAVIGATION HORIZ CLEAR 0

PROPOSED IMPROVEMENTS

75 TYPE OF WORK 38- 381 76 LENGTH OF STRUCT. IMPR 0- 40  
94 BRIDGE IMP. COST (1000's) 0- 15 95 RDWY IMPROVE COST (1000's) 0- 2  
96 TOTAL PROJ. COST (1000's) 0- 22 97 YEAR IMPROVE ESTIMATE MADE 0- 2012

CLASSIFICATION

101 PARALLEL HIGHWAY N 103 TEMPORARY STRUCTURE  
102 DIRECTION OF TRAFFIC 2 \* 26 FUNC CL 08 MIN COLL  
20 TOLL 3 21 MAINTAIN 02 22 OWNER 02

LAST RECORDED INSPECTION 2 / 2011 NO POSTING REQUIRED.

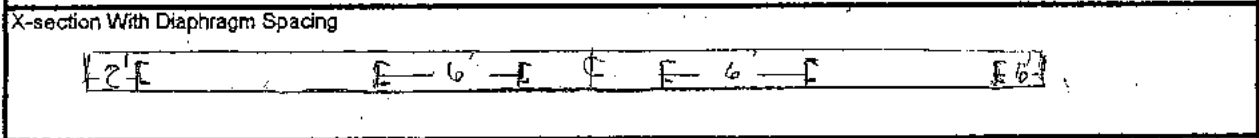
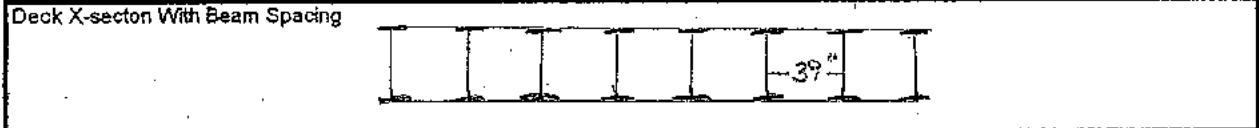
## Crawford County Day Labor Bridge Construction

Prepared By: TERRY Date: \_\_\_\_\_  
 Township: WESTSIDE Section: 14+15 E911 Rd.: 380<sup>th</sup>

FHWA No.: 128530 Date Reconstructed: SPRING 2010

Describe Work: REBUILD I beam bridge that was rated and narrow with 24' wide bridge that rates regular

Bridge Length: <u>40'</u>	Bridge Width: <u>24'</u>	Open Depth:		
Beam Info.	Deck Info.	Diaphragm Info.		
Beam Type: <u>(W) S</u>	Deck Type: <u>WOOD</u>	# Bolts per Angle: <u>3</u>		
Beam Spacing: <u>39" C-C</u>	Top: <u>3"x12" Longitudinal</u>	Bolt Size: <u>7/8"</u>		
Beam Depth: <u>24"</u>	Bottom: <u>4"x16" Transverse</u>	Diaphragm Length: <u>38.5</u>		
Flange: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">Width <u>9"</u></td><td style="text-align: center;">Thickness <u>3/4"</u></td></tr></table>	Width <u>9"</u>	Thickness <u>3/4"</u>	Spacing on Bottom: <u>28" C-C</u>	Diaphragm Size: <u>10"</u>
Width <u>9"</u>	Thickness <u>3/4"</u>			
Web Thickness: <u>1/2"</u>				



Substructure Comments: Abutments have 6 10"x10" x 50' steel H pile

Comments: