



## Structure Inventory and Appraisal

Bridge ID: HAYES-127460  
FHWA No.: 127460

Official	SR: 48.3	SD/FO: Structurally Deficient
Unofficial	SR: 46.3	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: 083373201  
5E Directional Suffix: 0 - NOT APPLICABLE  
6 Feature Intersected: W. FK W. NISHNABOTNA RIVER  
2 District: 0  
Garage: 000  
98 Border Bridge Code:  
% Responsibility: 0  
99 Border Bridge No.:

**INSPECTION**

90 Inspection Date: 04/08/2015  
Next Routine Insp Date: 04/08/2017  
Inspection Agency: 2 - County  
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: NA  
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: 2  
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: 7 - Wood or Timber  
108B Membrane: 0 - None  
108C Deck Protection: 0 - None

**CONDITION**

58 Deck: 5 - Fair Condition (minor section loss)  
59 Super: 5 - Fair Condition (minor section loss)  
60 Sub: 5 - Fair Condition (minor section loss)  
61 Channel/Channel Prot.: 6 - Bank slump, widespread minor damage  
62 Culvert: N - Not Applicable

**GEOMETRIC DATA**

48 Length Max Span: 38 ft.  
49 Structure Length: 74 ft.  
34 Skew: 0°  
Deck Area: 1509.6 sq. ft.  
50B Curb/Sdwk Width R: 0 ft.  
50A Curb/Sdwk Width L: 0 ft.  
51 Width Curb to Curb: 19.9 ft.  
52 Width Out to Out: 20.4 ft.  
32 Appr. Roadway width: 22 ft.  
(w/ Shoulders)  
33 Median: 0 - No median  
35 Structure Flared: 00 - No flare  
10 Vertical Clearance: 99'99"  
47 Horiz. Clearance: 19'11"  
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: 2 - Intolerable - high priority of replacement  
68 Deck Geometry: 6 - Somewhat better than minimum adequacy  
69 Underclear Vert & Horiz: N - Not applicable  
71 Waterway Adequacy: 5 - Occasional Flooding - Significant Delays  
72 Approach Alignment: 5 - Somewhat better than minimum adequacy  
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: 3 - Scour Critical - Unstable

**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: 15.4 Tons  
65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.  
66 Inventory Rating: 10.5 Tons  
70 Posting: 0 - More than 39.9% below legal loads  
41 Posting Status: P - Posted for Load

16 Latitude: 41.98595874      17 Longitude: -95.17837372

**AGE AND SERVICE**

27 Year Built: 1942      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: 15      30 Year of ADT: 2012  
109 Truck ADT: 13 %      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