



Structure Inventory and Appraisal

Bridge ID: WILLOW-128390
FHWA No.: 128390

Official	SR: 42	SD/FO: Not Deficient or Obsolete
Unofficial	SR: 46.6	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: 063412802
5E Directional Suffix: 0 - NOT APPLICABLE
6 Feature Intersected: MIDDLE WILLOW CREEK
2 District: 0
Garage: 000
98 Border Bridge Code:
% Responsibility: 0
99 Border Bridge No.:

INSPECTION

90 Inspection Date: 4/1/2015
Next Routine Insp Date: 04/01/2017
Inspection Agency: 5 - Consultant
93A FC Inspection Date: 04/01/2015
92A FC Frequency: 24
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: In-Depth
Inspection Group: Calhoun Burns & Assoc.
Next FC Insp.: 04/01/2017
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: 10 - Truss Thru
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: 1 - Concrete Cast-in-Place
108A Wearing Surface: 8 - Gravel
108B Membrane: 0 - None
108C Deck Protection: 0 - None

CONDITION

58 Deck: 4 - Poor Condition (advanced deterioration)
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: 50 ft.
49 Structure Length: 52 ft.
34 Skew: 0°
Deck Area: 826.8 sq. ft.
50B Curb/Sdvw Width R: 0 ft.
50A Curb/Sdvw Width L: 0 ft.
51 Width Curb to Curb: 15.9 ft.
52 Width Out to Out: 15.9 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: 15'09"
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: 7 - Better than present minimum criteria
69 Underclear Vert & Horiz: N - Not applicable
71 Waterway Adequacy: 6 - Occasional Overlapping of Approaches
72 Approach Alignment: 6 - Equal to 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: 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: 33.0 Tons
65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
66 Inventory Rating: 20.0 Tons
70 Posting: 6 - Equal to or above legal loads
41 Posting Status: R - Posted for Other Than Load

16 Latitude: 41.9742971 17 Longitude: -95.63408673

AGE AND SERVICE

27 Year Built: 1900 Design No.: 0
106 Year Reconstructed: 0
42A Type of Service on: 1 - Highway
42B Type of Service Under: 5 - Waterway
28A Lanes on: 1 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: 3 - One lane bridge for 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: 31 - Replacement - Load/Geometry
75B Work Done by: 1 - Work to be done by contract