



Structure Inventory and Appraisal

Bridge ID: WILLOW-128370
FHWA No.: 128370

Official	SR: 69.6	SD/FO: Not Deficient or Obsolete
Unofficial	SR: 56.6	SD/FO: Structurally Deficient

IDENTIFICATION

7 Facility Carried: FM
5B Rte. Signing Prefix: 4
5C Level of Service: 1 - MAINLINE
5D Inventory Route: 00000
City: RURAL
3 County: 024 - Crawford
9 Location: 083412801
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: 04/02/2015
Next Routine Insp Date: 04/02/2017
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: 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: 8 - Gravel
108B Membrane: 0 - None
108C Deck Protection: 0 - None

CONDITION

58 Deck: 7 - Good Condition (some minor problems)
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

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: 6 - Occasional Overtopping 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

GEOMETRIC DATA

48 Length Max Span: 41 ft.
49 Structure Length: 65 ft.
34 Skew: 0°
Deck Area: 1345.5 sq. ft.
50B Curb/Sdvw Width R: 0 ft.
50A Curb/Sdvw Width L: 0 ft.
51 Width Curb to Curb: 20.7 ft.
52 Width Out to Out: 20.7 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: 20'08"
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"

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: 32.3 Tons
65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
66 Inventory Rating: 26.9 Tons
70 Posting: 5 - Equal to or above legal loads
41 Posting Status: A - Open

AGE AND SERVICE

27 Year Built: 1954
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: 40
30 Year of ADT: 2012
109 Truck ADT: 43 %
Speed Limit: 55
19 Detour Length: 4 mi.

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"

CLASSIFICATION

112 NBIS Length: Y
26 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:
75B Work Done by:

16 Latitude: 41.97936103 17 Longitude: -96.62680598

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