



Structure Inventory and Appraisal

Bridge ID: IOWA-126040
 FHWA No.: 126040

Official	SR: 41	SD/FO: Structurally Deficient
Unofficial	SR: 26.9	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: 062370602
 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: 4/1/2015
 Next Routine Insp Date: 04/01/2017
 Inspection Agency: 5 - Consultant
 93A FC Inspection Date: 06/03/2015
 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.: 06/03/2017
 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: 003 - Steel
 44B Appr. Span Design: 002 - Stringer/Multi-beam or Girder
 46 No. of Appr. Spans: Near 1 Far 1
 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: 4 - Poor Condition (advanced deterioration)
 59 Super: 4 - Poor Condition (advanced deterioration)
 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: 75 ft.
 49 Structure Length: 144 ft.
 34 Skew: 0°
 Deck Area: 2851.2 sq. ft.
 50B Curb/Sdwk Width R: 0 ft.
 50A Curb/Sdwk Width L: 0 ft.
 51 Width Curb to Curb: 19.8 ft.
 52 Width Out to Out: 19.8 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: 20'03"
 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: 4 - Meets minimum tolerable limits
 69 Underclear Vert & Horiz: N - Not applicable
 71 Waterway Adequacy: 3 - Frequent Flooding - Significant Delays
 72 Approach Alignment: 8 - Equal to present desirable 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: 0 - No navigation control on waterway (bridge permit not required)
 111 Pier Protection:
 39 Vertical Clearance: 00'00"
 40 Horiz. Clearance: 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: 18.3 Tons
 65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
 66 Inventory Rating: 11.8 Tons
 70 Posting: 0 - More than 39.0% below legal loads
 41 Posting Status: P - Posted for Load

16 Latitude: 41.9410327 17 Longitude: -95.20835691

AGE AND SERVICE

27 Year Built: 1949 Design No.: 0
 106 Year Reconstructed: 1990
 42A Type of Service on: 1 - Highway
 42B Type of Service Under: 5 - Waterway
 28A Lanes on: 2 28B Lanes under: 0
 29 ADT: 35 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
 28 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