



Structure Inventory and Appraisal

| | | | |
|---|--|---|--|
| Bridge ID: NISHNABOTNA-126410 FHWA No.: 126410 | | Official SR: 28 SD/FO: Structurally Deficient Unofficial SR: 27.9 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: 082381201 5E Directional Suffix: 0 - NOT APPLICABLE 6 Feature Intersected: WFK 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 Inspection Type: N/A Next Routine Insp Date: 04/01/2017 91 Frequency: 24 Next Insp Type: In-Depth Inspection Agency: 5 - Consultant Inspection Group: Calhoun Burns & Assoc. 93A FC Inspection Date: 04/01/2015 92A FC Frequency: 24 Next FC Insp.: 04/01/2017 93B UW Inspection Date: 92B UW Frequency: 0 Next UW Insp.: NA 93C SI Date: 92C SI Frequency: 0 Next Spec. Insp.: NA Other Non-NBI Date: Other Non-NBI Freq: 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 1 107 Deck Type: 8 - Wood or Timber 108A Wearing Surface: 8 - Gravel 108B Membranes: 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: 4 - Poor Condition (advanced deterioration) 61 Channel/Channel Prot.: 6 - Bank slump, widespread minor damage 62 Culvert: N - Not Applicable | |
| GEOMETRIC DATA 48 Length Max Span: 77 ft. 49 Structure Length: 98 ft. 34 Skew: 0° Deck Area: 1764.0 sq. ft. 50B Curb/Sdwk Width R: 0 ft. 50A Curb/Sdwk Width L: 0 ft. 51 Width Curb to Curb: 18.0 ft. 52 Width Out to Out: 18.0 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: 17'00" 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: 2 - Intolerable - high priority of replacement 68 Deck Geometry: 4 - Meets minimum tolerable limits 69 Underclear Vert & Horiz: N - Not applicable 71 Waterway Adequacy: 5 - Occasional Flooding - Significant Delays 72 Approach Alignment: 4 - Meets minimum tolerable limits 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: 08.9 Tons 65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading. 66 Inventory Rating: 04.5 Tons 70 Posting: 0 - More than 39.6% below legal loads 41 Posting Status: P - Posted for Load | |
| 16 Latitude: 41.93548188 17 Longitude: -95.21897066 | | AGE AND SERVICE 27 Year Built: 1945 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: 30 30 Year of ADT: 2012 109 Truck ADT: 3% 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: 1 - On National Register 75A Type of Work Proposed: 31 - Replacement - Load/Geometry 75B Work Done by: 1 - Work to be done by contract | |