

HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.

Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

| | | | | | |
|---|---------------------------|----------------------------------|----------------------------|--|-------------------------------|
| Ohio [39] | Wyandot County [175] | Crane [19190] | NO DATA | 40-51-47 = 40.863056 | 083-15-13 = - 83.253611 |
| 8835764 | Highway agency district 1 | Owner County Highway Agency [02] | Maintenance responsibility | County Highway Agency [02] | |
| Route #Num! | | NO DATA | Toll On free road [3] | Features intersected SANDUSKY RIVER | |
| Design - main | Steel [3] | Design - approach | | Kilometerpoint 0 km = 0.0 mi | |
| 1 | Truss - Thru [10] | 0 | Other [00] | Year built 1913 | Year reconstructed N/A [0000] |
| | | | | Skew angle 0 | Structure Flared |
| | | | | Historical significance Bridge is not eligible for the NRHP. [5] | |
| Total length | 54.3 m = 178.2 ft | Length of maximum span | 52.4 m = 171.9 ft | Deck width, out-to-out | 6.4 m = 21.0 ft |
| Inventory Route, Total Horizontal Clearance | 5.2 m = 17.1 ft | Curb or sidewalk width - left | 0 m = 0.0 ft | Curb or sidewalk width - right | 0 m = 0.0 ft |
| Deck structure type | Wood or Timber [8] | | | | |
| Type of wearing surface | Bituminous [6] | | | | |
| Deck protection | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|-----------------------|--------------------------------------|--------------------------|------------------|---------------------------|
| Bypass, detour length | Method to determine inventory rating | Allowable Stress(AS) [2] | Inventory rating | 3.6 metric ton = 4.0 tons |
| 1 km = 0.6 mi | Method to determine operating rating | Allowable Stress(AS) [2] | Operating rating | 10 metric ton = 11.0 tons |
| | Bridge posting | | Design Load | M 13.5 / H 15 [2] |

Functional Details

| | | | | | | | | | | |
|---|--|----------------------------|---|--|------|--|---|---------------------------------|------|-----------------------------------|
| Average Daily Traffic | <input type="text" value="30"/> | Average daily truck traffi | <input type="text" value="0"/> | % | Year | <input type="text" value="1973"/> | Future average daily traffic | <input type="text" value="42"/> | Year | <input type="text" value="2032"/> |
| Road classification | <input type="text" value="Major Collector (Rural) [07]"/> | | Lanes on structure | <input type="text" value="1"/> | | Approach roadway width | <input type="text" value="4.3 m = 14.1 ft"/> | | | |
| Type of service on bridge | <input type="text" value="Highway [1]"/> | | Direction of traffic | <input type="text" value="One lane bridge for 2 - way traffic [3]"/> | | Bridge median | <input type="text"/> | | | |
| Parallel structure designation | <input type="text" value="No parallel structure exists. [N]"/> | | | | | | | | | |
| Type of service under bridge | <input type="text" value="Waterway [5]"/> | | Lanes under structure | <input type="text" value="0"/> | | Navigation control | <input type="text"/> | | | |
| Navigation vertical clearanc | <input type="text" value="0 = N/A"/> | | Navigation horizontal clearance | <input type="text" value="0 = N/A"/> | | | | | | |
| Minimum navigation vertical clearance, vertical lift bridge | <input type="text"/> | | | | | Minimum vertical clearance over bridge roadway | <input type="text" value="5.49 m = 18.0 ft"/> | | | |
| Minimum lateral underclearance reference feature | <input type="text" value="Feature not a highway or railroad [N]"/> | | | | | | | | | |
| Minimum lateral underclearance on right | <input type="text" value="0 = N/A"/> | | | | | Minimum lateral underclearance on left | <input type="text" value="0 = N/A"/> | | | |
| Minimum Vertical Underclearance | <input type="text" value="0 = N/A"/> | | Minimum vertical underclearance reference feature | <input type="text" value="Feature not a highway or railroad [N]"/> | | | | | | |
| Appraisal ratings - underclearances | <input type="text" value="N/A [N]"/> | | | | | | | | | |

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

Total project cost

Year of improvement cost estimate

Border bridge - state

Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

| | | | |
|---|--|---------------------------------------|---|
| Structure status | <input type="text" value="Posted for load [P]"/> | Appraisal ratings - structural | <input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/> |
| Condition ratings - superstructure | <input type="text" value="Fair [5]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/> |
| Condition ratings - substructure | <input type="text" value="Fair [5]"/> | Appraisal ratings - deck geometry | <input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/> |
| Condition ratings - deck | <input type="text" value="Fair [5]"/> | | |
| Scour | <input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/> | | |
| Channel and channel protection | <input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/> | | |
| Appraisal ratings - water adequacy | <input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/> | Status evaluation | <input type="text" value="Functionally obsolete [2]"/> |
| Pier or abutment protection | <input type="text"/> | Sufficiency rating | <input type="text" value="28.2"/> |
| Culverts | <input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/> | | |
| Traffic safety features - railings | <input type="text"/> | | |
| Traffic safety features - transitions | <input type="text"/> | | |
| Traffic safety features - approach guardrail | <input type="text"/> | | |
| Traffic safety features - approach guardrail ends | <input type="text"/> | | |
| Inspection date | <input type="text" value="April 2010 [0410]"/> | Designated inspection frequency | <input type="text" value="12"/> Months |
| Underwater inspection | <input type="text" value="Not needed [N]"/> | Underwater inspection date | <input type="text"/> |
| Fracture critical inspection | <input type="text" value="Every two years [Y24]"/> | Fracture critical inspection date | <input type="text" value="April 2010 [0410]"/> |
| Other special inspection | <input type="text" value="Not needed [N]"/> | Other special inspection date | <input type="text"/> |

| | | | | | | | | |
|---|--|--|--|--|--|---|--|--|
| Unit of Measure: English Structure File Number 8835764 Sufficiency Rating: 28.2 fo | | | Bridge Inventory Information Inventory Bridge Number: WYA C0047 1412 ON SANDUSKY RIVER | | | Report Date 01/08/2014 BM-191 Page: 1 of 2 BR. Type STEEL / TRUSS / THRU Date of Last Inventory Update: 04/17/2013 | | |
| District: 01 County WYANDOT | | | (101) Location: INDIAN MILL PARK | | | (102) Facility Carried: NO DATA | | |
| (2) FIPS Code: CRANE TWP | | | (103) Route On Bridge: COUNTY | | | (104) Route Under Bridge: NON-HIGHWAY | | |
| (9) Direction of Traffic: ONE LANE FOR 2-WAY TRAFFIC (10) Temporary: N | | | (11) Truck Network: N | | | (12) Parallel: N | | |
| (95) Insp: COUNTY (96) Maint: COUNTY (97) Routine: COUNTY | | | (100) Type Serv: (On): HIGHWAY | | | (Under): WATERWAY | | |
| Inventory Route Data | | | (63) Main Spans Number: 1 | | | Type: STEEL / TRUSS / THRU | | |
| (3) Route On/Under: ON Hwy Sys: COUNTY/TOWNSHIP HIGHWAY | | | Approach Spans Number: 0 | | | Type: NONE / NONE / NONE | | |
| Route No.: C0047 Dir: Des: MAINLINE Pref: | | | Total Spans: 1 | | | (65) Max Span: 172 Ft (66) Overall Leng: 178 Ft | | |
| (4) Feature Intersected: SANDUSKY RIVER | | | (70) Substructure | | | (71) Foundation and Scour Information | | |
| (5) County: CRN Mileage: 1412 Special Desig: | | | Abut-Rear Matl: CONCRETE AND STONE Type: SOLID WALL | | | Fnd: SPREAD FOOTING | | |
| (6) Avg. Daily Traffic(ADT): 30 (7) ADT Year: 1973 | | | Abut-Fwd Matl: CONCRETE AND STONE Type: SOLID WALL | | | Fnd: SPREAD FOOTING | | |
| (8) Truck Traf: 1 (14) NHS: NO - X (15) Corridor: N | | | Pier-Pred Matl: NONE Type: NONE | | | Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS) | | |
| (16) Functional Class: MAJOR COLLECTOR-RURAL (19) Strahnt: Not Applicable | | | Pier-Other Matl: NONE Type: NONE | | | Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS) | | |
| Intersected Route Data | | | Pier-Other Matl: NONE Type: NONE | | | Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS) | | |
| (22) Route On/Under: Hwy Sys: | | | No of Piers Predominate: NN | | | Other: NN | | |
| Route No.: Dir: Des: Pref: | | | (86) Stream Velocity: UUU | | | (74) Scour: STABLE: EVAL SCOUR ABOVE TOP OF FOOTING | | |
| (23) Feature Intersected: | | | (189) Dive: N Freq: 0 | | | Probe: Y Freq: 12 (75) Chan Prot: RIP RAP (DUMPED ROCK OR ROCK) | | |
| (24) County: Mileage: Special Desig: | | | (189) Date of last Dive Insp: | | | (152) Drainage Area: UUU Sq Mi | | |
| (25) Avg. Daily Traffic(ADT): 0 (26) ADT Year: | | | Clearance Under the Bridge | | | | | |
| (27) Truck Traf: 0 (28) NHS: - (29) Corridor: | | | (156) Min. Horiz Under Clear: | | | NC: 0.0 Ft Card: 0.0 Ft | | |
| (30) Functional Class: (36) Strahnt: Not Applicable | | | (157) Prac Max Vrt Under Clear: | | | 0.0 Ft | | |
| Clearance On the Bridge | | | (77) Min Vert Under Clear: | | | NC: 0.0 Ft Card: 0.0 Ft | | |
| (154) Min Hriz on Bridge: NC: 0.0 Ft Card: 17.0 Ft | | | (78) Min Lat Under Clear: | | | NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft | | |
| (155) Prac Max Vert On Brg: 18.0 Ft | | | Load Rating Information (88-89) Appraisal | | | | | |
| (67) Min Vrt Clr On Brg: NC: 18.0 Ft Card: 18.0 Ft | | | (48) Design Load: H/15 | | | (Including calculated Items) | | |
| (80) Min Latl Clr: NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft | | | (83) Operating: 11 Ton | | | | | |
| (81) Vrt Clr Lft: 0.0 Ft | | | Inventory: 4 Ton | | | | | |
| Structure Information | | | Ohio Percent of Legal Load 60 | | | (88) Waterway Adequacy 4 | | |
| (38) Bypass Length: 06 Miles | | | Year of Rating: 2008 | | | (89) Approach Alignment 4 | | |
| (39) Latitude: 40 Deg 51.8 Min Longitude: 83 Deg 15.2 Min | | | (84) Analysis: ALLOWABLE STRESS OR WORKING STRESS | | | Calc Gen Appraisal: 3 | | |
| (40) Toll: ON FREE ROAD | | | (85) Rate Soft: COMBINATION Analyzed by: | | | Calc Deck Geometry: 3 | | |
| (41) Date Built: 07/01/1913 (42) Major Rehabilitation: | | | Analysis on Bars: NOT ON BARS [DEFAULT] | | | Calc Underclearance: N | | |
| (43) No. Lanes On: 1 No. Lanes Under: 0 | | | Approach Information | | | | | |
| (44) Horiz Curve: Deg. Min. (45) Skew: 0 Deg | | | (109) Approach Guardrail: STEEL BEAM | | | | | |
| (49) App. Rdw Width: 14 Ft (50) Brg. Rdw Width: 17.0 Ft | | | (110) Approach Pavement: BITUMINOUS | | | (111) Grade: POOR | | |
| (51) Deck Width: 21.0 Ft Deck Area: 3735 Sq. Ft | | | Culvert Information | | | | | |
| (52) Median Type: NONE / NON BARRIE / NO JOINT | | | (131) Culvert Type: NONE/NOT APPLICBLE | | | (127) Length: 0.0 Ft | | |
| (53) Bridge Median: NO MEDIAN | | | (129) Depth of Fill: 0.0 Ft | | | (130) Headwalls: NONE | | |
| (54) Sidewalks: (left) 0 Ft (right) 0 Ft | | | General Information | | | | | |
| (55) Type Curb or Sidewalks: | | | (121) Main Member N/A (CULVERTS, TRUSSES, ETC.) | | | (122) Moment Plate: NONE | | |
| (Left) Matl: NONE Type: NONE | | | (169) Expansion Joint: NONE | | | | | |
| (Right) Matl: NONE Type: NONE | | | (124) Bearing Devices: ROLLERS/NONE | | | | | |
| (56) Flared: N (57) Composite: | | | (126) Navigation: Control- N | | | Vert Clr: 0.0 Ft | | |
| (58) Railing: STEEL POST & STEEL PANEL (DECORATIVE) | | | (193) Spec Insp: N | | | Freq: 0 | | |
| (59) Deck Drainage: OPENING THRU CURBS OR WHEEL GRDS | | | (188) Fracture Critical Insp: Y | | | Freq: 24 | | |
| (60) Deck Type: LAMINATED TIMBER STRIP | | | (138) Long Member: TWO TRUSSES (WELDED) | | | Date: 2012-03-06 | | |
| (61) Deck Protection: External: NONE | | | (141) Structural Steel Memb: UNKNOWN | | | (135) Hinges: NOT APPLICABLE | | |
| Internal: NONE | | | | | | (139) Framing: NONE | | |
| (62) Wearing Surface: BITUM (ASPHLT CONCRT) | | | | | | Railing: UNKNOWN | | |
| Thickness: 1.0 in (119) Date of Wearing Surface: 01/01/1998 | | | Pay Wt: 300,000 pounds | | | Prime Loc: UNKNOWN | | |
| Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES) | | | Bridge Dedicated Name: | | | Paint: UNKNOWN | | |

Unit of Measure: **English**
Structure File Number **8835764**
Sufficiency Rating: **28.2 fo**

Bridge Inventory Information
Inventory Bridge Number:**WYA C0047 1412**
ON SANDUSKY RIVER

Report Date 01/08/2014 BM-191 Page: 2 of 2
BR. Type **STEEL/TRUSS/THRU**
Date of Last Inventory Update: **04/17/2013**

| General Information (Continued) | | | | Original Plans Information | | | |
|---|---|--|--|---|--|-------------------------------|--|
| (---) Hist Significance: NON-REGISTERED HISTORIC BRIDGE (69) NBIS: Y (---) Hist Builder: MODERN CONSTRUCTION Hist Build Year: 1913 COMPANY (69) Hist Type: PRATT (PINNED) (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN: | | | | (142) Fabricator: (143) Contractor: (144) Ohio Original Construction Project No.: (---) Microfilm Reel: (151) Standard Drawing: Aperture Cards: Orig: N Repair: N Fabr: N Plan Information Available: 1PLAN INFORMATION AVAILABLE | | | |
| Proposed Improvements | | Programming Info | | (153) Repair Projects | | | |
| (90) Type Work: - | | PID Number: 22541 PID Status: IA-OTHER PID Date: | | 1. / 020 2. / 002 3. 4. 5. 6. 7. 8. 9. 10. | | | |
| (90) Length: Ft | | | | | | | |
| (90) Bridge Cost (\$1000s): 0 | | | | | | | |
| (90) Roadway Cost (\$1000s): 0 | | | | | | | |
| (90) Total Project Cost (\$1000s): 0 | | (90) Year: | | | | | |
| (91) Future ADT (On Bridge): 0 | | (92) Year of Future ADT: 2032 | | | | | |
| Inspection Summary | | (I-69) Survey Items | | Utilities | | Special Features | |
| (I-8) Deck: 5 | Railings: 1 MEETS CURRENT STANDARDS | | | (46) Electric: U | | (161) Lighting: N | |
| (I-32) Superstructure: 5 | Transitions: 0 DOES NOT MEET CURRENT STANDARDS | | | Gas: U | | Fencing: N | |
| (I-42) Substructure: 7 | Guardrail: 0 DOES NOT MEET CURRENT STANDARDS | | | Sanitary Sewer: U | | Glare-Screen: N | |
| (I-50) Culvert: | Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS | | | Telephone: U | | Splash-Guard: N | |
| (I-54) Channel: 8 | In Depth: 1 MEETS CURRENT STANDARDS | | | TV Cable: U | | Catwalks: N | |
| (I-60) Approaches: 8 | Fracture Critical: N NONE N/A | | | Water: U | | Other-Feat: U | |
| (I-66) General Appraisal: 5 | Scour Critical: N NONE N/A | | | Other: U | | (184) Signs-on: N | |
| (I-66) Operational Status: P | Critical Findings: N NONE N/A | | | | | Signs-Under: N | |
| Inspection Date: 03/06/2012 | Insp. Update Date: 03/12/2012 | | | | | (162) Fence-Ht: 0.0 Ft | |
| (94) Desig Insp Freq: 12 Months | | | | | | (163) Noise Barr: N | |
| SFNs Replacing this retired bridge: - | | | | | | | |
| SFNs That where replaced by this bridge: - | | | | | | | |
| This bridge was retired and copied to: | | | | INV Field Bridge Marker: WYA-C0047-1412 - | | | |
| The bridge was copied from: | | | | INT Field Bridge Marker: --- | | | |

PONTIS CoRe elements and Condition States

| Elem No. | CoRe Element Description | Total Quantity | Unit Meas. | Condition State Percents(*) | | | | |
|----------|--------------------------|----------------|------------|-----------------------------|---|---|---|---|
| | | | | 1 | 2 | 3 | 4 | 5 |
| | | 0 | | | | | | |

(*) Percentages Should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

| | | | | | | |
|---|---|---|---|---|---|---|
| 8 | 8 | 3 | 5 | 7 | 6 | 4 |
|---|---|---|---|---|---|---|

1 Structure File Number 7

Bridge Number WYA C0047 1412
CO ROUTE UNIT

Date Built 07/01/1913

District 01 Bridge Type STEEL/TRUSS/THRU

Type Service 1 1 5

SANDUSKY RIVER

00 NO REMARKS FOUND FOR THIS INSPECTION.