



STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

Structure File Number: 2801744

Inventory Bridge Number: GEA 00422 09.860 R

USR422 over LA DUE RES. 0.71 MI E 44

Inspection Type: Routine and Underwater

Inspection Date: 08/26/2014

District: 12

County: GEAUGA

Place Code (FIPS): AUBURN TWP

Bridge Type: STEEL

Type of Service: HIGHWAY

Owner: OHIO STATE TRANSPORTATION DEPARTMENT

Inspection Responsibility: OHIO STATE TRANSPORTATION
DEPARTMENT

Maintenance Responsibility: OHIO STATE TRANSPORTATION
DEPARTMENT

Lead Inspector: Sutak, Mike

Reviewed By: Seif, Youssef

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
APPROACH INSPECTION PHOTOS**

Structure File Number: 2801744 Inventory Bridge Number: GEA 00422 09.860 R Bridge Type: 3 - STEEL/2 - BEAM/2 - CONTINUOUS
Sufficiency Rating: 99.3 Date Built: 7/1/1960
District: 12 Place Code (FIPS): AUBURN TWP USR422 over LA DUE RES. 0.71 MI E 44 Type of Service on: HIGHWAY

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DECK INSPECTION PHOTOS**

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**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE INSPECTION**

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SUPERSTRUCTURE

(59) NBIS Superstructure Summary: 6

Recommended: 7

c14. Alignment (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
4	4				1.00

c15.1 Beams/Girders (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	858	462	0	0	1.45

RUSTED SECTION LOSS NEAR ABUTMENTS AND THE EXTERIOR OF FASCIA BEAMS.

c16. Diaphragm/Cross Frames (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	90	5	5	0	1.68

ENDFRAME RUSTED SECTION LOSS. CRACKS AND RUSTING THRU HOLES TO ENDFRAMES AT BOTH ABUTMENTS (BEAMS 1, 4 & 5 AT REAR AND BEAM 5 AT FORWARD).

c26. Bearing Devices (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	18	12	0	0	1.50

RUSTED SECTION LOSS.

c30. Protective Coating System (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0	1267.2	39.6	13.2	2.33

FADED PAINT. 2% RUST. PCS IS 1-5% DETERIORATED.

c32. Fatigue (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	1320	0	0	0	1.00

WELDED MOMENT PLATES AT PIERS.

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SUBSTRUCTURE INSPECTION

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SUBSTRUCTURE

(60) NBIS Substructure Summary: 6 **Recommended:** 7

c33. Abutment Walls (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
82.67	66.2	12.4	4.1		1.76

LEACHING CRACKS. APPROXIMATELY 25 SF OF DELAMINATIONS AND SPALLS. SPALLS WITH EXPOSED REBAR AT FORWARD LEFT. 2 SF BY 3" DEEP SPALL AT REAR.

c35. Abutment Columns/Bents (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	NaN	0	0	0	

c34. Abutment Caps (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
82.67	NaN	0	0	0	

c38. Pier Columns/Bents (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	10.8	1.2	0	0	1.14

RUSTING SECTION LOSS OF STEEL AND SCALING OF CONCRETE AT WATERLINE.

c36. Pier Walls (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
124.00	NaN	0	0	0	

c37. Pier Caps (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
124.00	124.00				1.00

CRACKS.

c39. Backwalls (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating

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SUBSTRUCTURE

82.67 82.67 1.00

MINOR CRACKS.

c40. Wingwalls (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	4	0	0	0	1.00

c42. Scour (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
5	5				1.00

DIVE INSPECTION BY GPI IN 2014.

c43. Slope Protection (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	1.9	0.1	0	0	1.07

REAR RIGHT ABUTMENT CORNER HAS MINOR FOOTING EXPOSURE.

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SUBSTRUCTURE INSPECTION PHOTOS**

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CHANNEL INSPECTION PHOTOS**

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**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SIGNS/UTILITIES INSPECTION**

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SIGNS/UTILITIES

(41) Open, Posted or Closed: A

c55. Signs (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	2	0	0	0	1.00

c56. Sign Supports (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	NaN	0	0	0	

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SIGNS/UTILITIES INSPECTION PHOTOS**

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REVIEW**

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