

Inspector: Jewell,Todd
Inspection Date: 07/10/2024

Structure Number: 1001442
Facility Carried: SR212

Ohio Bridge Inspection Summary Report

CAR-00212-0391 (1001442)

| | | | | |
|----------------------|---------------------------------------|---------------------|-----------------|--------------------------|
| 2: District | Distr 58576 - ORANGE TWP (CAR county) | 5A: Inventory Route | 1 | 00212 |
| ict | | | | |
| 11 | | | | |
| 21: Major Maint A/B | 01 - State Highway Agency | / | 7: Facility On | SR212 |
| 225 Routine Main A/B | 01 - State Highway Agency | / | 6: Feature Ints | BR CONNOTTON CR |
| 221 Inspection A/B | 01 - State Highway Agency | / | 9: Location | 1.88 MI. E. OF JCT. SR39 |
| 220: Inv. Location | DISTRICT 11 | | Lat, Lon | 40.481325 , -81.224511 |

| Condition | | Structure Type | |
|---------------------------|--|---------------------------|--------------------------------|
| 58: Deck | 6 - Satisfactory Condition | 43: Bridge Type | 1 - Concrete |
| 58.01 Wearing Surface | 9 - Excellent | 01 - Slab | |
| 58.02 Joint | N- Not Applicable | N- Not Applicable | |
| 59: Superstructure | 6 - Satisfactory Condition | 45: Spans Main / Approach | 1 / 0 |
| 59.01 Paint & PCS | N - Not Applicable | 107: Deck Type | 1 - Concrete Cast-in-Place |
| 60: Substructure | 4 - Poor Condition | 408: Composite Deck | N - Non-composite Construction |
| 61: Channel | 4 | 414A Joint Type 1 | N - None |
| 61.01 Scour | 5 - Fair or problems noted but they are stable or unchanged scour (Spread: no undermining, Deep: A couple piles may be visible) | 414B: Joint Type 2 | N - None |
| 62: Culverts | N - Not Applicable | 108A: Wearing Surface | 6 - Bituminous |
| 67.01 GA | 4 | | N- Not Applicable |

| Appraisal | | | | 422: WS Date | |
|----------------------------|---|-------|--------|-------------------------|----------------------------|
| Sufficiency Rating | 66.3 | SD/FO | 0 - ND | 423: WS Thick (in) | 5.9 |
| 36: Rail, Tr, Gd, Term Std | 1 | 1 | 1 | 482: Protective Coating | N - None or Not Applicable |
| 72: Approach Alignment | 8 - Equal to present desirable criteria | | | 483: PCS Date | |
| 113: Scour Critical | 5 - Scour within limits of footing or piles | | | 453: Bearing Type 1 | N - None |
| 71: Waterway Adequacy | 8 - Bridge Above Approaches | | | 455: Bearing Type 2 | N - None |
| | | | | 528: Foundn: Abut Fwd | U - Unknown |
| | | | | 533: Foundn: Abut Rear | U - Unknown |

| Geometric | | | | Age and Service | |
|--|---------------|--|--|-----------------------|--------------|
| 48: Max Span Length (ft) | 20.0 | | | 27: Year Built/ Rehab | 1930 / 0000 |
| 49: Structure Length (ft) | 22.0 | | | 42A: Service On | 1 - Highway |
| 52: Deck Width, Out-To-Out (ft) | 33.0 | | | 42B: Service Under | 5 - Waterway |
| 424: Deck Area (sf) | 726 | | | 28A: Lanes on | 02 |
| 32: Appr Roadway Width (ft) | 34.0 | | | 28B: Lanes Under | 00 |
| 51: Road Width, Curb-Curb (ft) | 29.7 | | | 19: Bypass Length | 35 |
| 50A: Curb/SW Width: Left (ft) | 0 | | | 29: ADT | 3148 |
| 50A: Curb/SW Width: Right (ft) | 0 | | | 109: % Trucks (%) | 7 |
| 34: Skew (deg) | 5 | | | | |
| 33: Bridge Median | 0 - No median | | | | |
| 54B: Min Vert Underclearance (ft) | 0 | | | | |
| 336A: Min Vert Clrnce IR Cardinal (ft) | 99 | | | | |
| 336B: Min V Clr IR Non-Cardinal (ft) | 0 | | | | |
| 578: Culvert Length (ft) | 0 | | | | |

| Load Posting | | | | Inspections | |
|------------------------|---|--|--|--------------------|----------------------|
| 41: Op/Post/Closed | A - Open | | | 90: Routine Insp. | 12 Months 07/10/2024 |
| 70: Posting | 5 - Equal to or above legal loads | | | 92A: FCM Insp. | N 0 |
| 70.01: Date | | | | 92B: Dive Insp. | N 0 |
| 70.02: Sign Type | | | | 92C: Special Insp. | N 0 |
| 734: Percent Legal (%) | 115 | | | 92D: UBIT Insp. | N 0 |
| 704: Analysis Date | 04/10/2018 | | | 92E: Drone Insp. | N 0 |
| 63: Analysis Method | 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading. | | | Inspector | Jewell,Todd |

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| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|---|--|-----------------------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 38-Reinforced Concrete Slab | 3 - Mod. | 726 | sq. ft. | 654 | 12 | 20 | 40 |
| | CS2- (6 SF) CRACKED AND DELAM NEAR CENTER. (6SF) CRACKED AND DELAM RIGHT EDGE FWD HALF. CS3- (10SF) DARK AND DISCOLORED AREA WITH EFFLO AND STALAGTITES AT REAR CENTER. (1SF) SPALL LEFT OF CENTER AT REAR. (1SF) SPALL RIGHT OF CENTER NEAR REAR. (8SF) OF SPALLS AT FASCIA OF RIGHT DECK EDGE. CS4- (20SF) SPALL WITH TRANSVERSE AND LONGITUDINAL BARS EXPOSED WITH HEAVY SECTION LOSS LFT FWD NEAR EDGE. (8SF) DEEP SPALL WITH EXPOSED REBAR AND RUST STAINING AT CENTERLINE. (12SF) DEEP SPALL WITH EXPOSED REBAR INTO 2ND MAT WITH 100% SECTION LOSS AT RIGHT REAR. | | | | | | |
| 510-Wearing Surfaces | | 652 | sq. ft. | 652 | 0 | 0 | 0 |
| | NEW ASPHALT IN 23. | | | | | | |
| 215-Reinforced Concrete Abutment | 3 - Mod. | 66 | ft. | 0 | 59 | 2 | 5 |
| | ABUTMENTS MADE UP OF 1/2 CUT SANDSTONE AND 1/2 CONCRETE CS2- (59LF) MUCH SCALING OF CONCRETE. CS3- (2LF) SPALL AT LEFT REAR CORNER. CS4- (3LF) RT FWD SANDSTONE HAS BOTTOM CORNER MISSING IN ABUT. (2LF) LT FWD ABUT HAS LARGE CR. 4" WIDE AVG. | | | | | | |
| 330-Metal Bridge Railing | 3 - Mod. | 44 | ft. | 44 | 0 | 0 | 0 |
| | 24" HIGH | | | | | | |
| 815-Drainage | 3 - Mod. | 2 | each | 2 | 0 | 0 | 0 |

| | |
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| CAR-00212-0391_(1001442) | |
| ODOT District: District 11 | Date Built: 07/01/1930 |
| Major Maint: 01 - State Highway Agency | Rehab Date: |
| Routine Maint: 01 - State Highway Agency | Insp. 01 - State Highway Agency |
| FIPS Code: 58576 - ORANGE TWP (CAR county) | Resp A: |
| Inspector Jewell,Todd | Insp. Resp B: |
| Inspection Date 07/10/2024 | Reviewer Trivoli,Raymond |

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface (EA)

NEW ASPHALT 2023.

Approach Embankment (EA)

DITCHLINE AT RIGHT REAR FILLED WITH DUMPROCK. LEFT FWD WASHOUT FILLED AND DUMPROCK PLACED AT WINGWALL.

Inspector Comments - General Appraisal

Superstructure

Substructure

Substructure Scour (EA)

SOFT MATERIAL. PROBED 18, 2019. WATER DEPTH @ LT FWD WINGWALL UP TO 4' DEEP. CHANNEL PROTECTION ADDED TO LT FWD WINGWALL. SCOUR HOLE HAS FILLED IN. RATING WAS RAISED DUE TO SCOUR HOLE BEING FILLED IN. PROBED IN 2021. 2022 INSP: DUMP ROCK ADDED AT RIGHT REAR. PROBED IN 2023.

2024- PROBED. DUMP ROCK ADDED TO LEFT FWD WINGWALL.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel Hydraulic Opening (EA)

BUILD UP UNDER BRIDGE AND INLET CHANNEL. POOR ALIGNMENT OF CHANNEL. RATING LOWERED DUE TO BEAVER DAM & WATER FLOW ALONG WINGWALL.

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Channel

Channel Alignment (LF)

NORMAL WATER FLOW IS INTO AND ALONG LT FWD WINGWALL AND ALONG REAR ABUTMENT.

Scour Critical

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Bridge Inspection Report

Pictures