

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 58576 - ORANGE TWP (CAR county)  
ict  
11

5A: Inventory Route 1 00212

21: Major Maint A/B 01 - State Highway Agency /  
225 Routine Main A/B 01 - State Highway Agency /  
221 Inspection A/B 01 - State Highway Agency /  
220: Inv. Location DISTRICT 117: Facility On SR212  
6: Feature Ints BR CONNOTTON CR  
9: Location 1.88 MI. E. OF JCT. SR39  
Lat, Lon 40.481325 , -81.224511

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

Appraisal	
Sufficiency Rating	66.3 SD/FO 0 - ND
36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	5 - Scour within limits of footing or piles
71: Waterway Adequacy	8 - Bridge Above Approaches

Geometric	
48: Max Span Length (ft)	20.0
49: Structure Length (ft)	22.0
52: Deck Width, Out-To-Out (ft)	33.0
424: Deck Area (sf)	726
32: Appr Roadway Width (ft)	34.0
51: Road Width, Curb-Curb (ft)	29.7
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
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	
41: Op/Post/Closed	A - Open
70: Posting	5 - Equal to or above legal loads
70.01: Date	
70.02: Sign Type	
734: Percent Legal (%)	115
704: Analysis Date	04/10/2018
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

422: WS Date	
423: WS Thick (in)	5.9
482: Protective Coating	N - None or Not Applicable
483: PCS Date	
453: Bearing Type 1	N - None
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	U - Unknown
533: Foundn: Abut Rear	U - Unknown
536: Foundn: Pier 1	N - None (Such as most Culverts)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service	
27: Year Built/ 106 Rehab	1930 / 0000
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	35
29: ADT	3148
109: % Trucks (%)	7

Inspections	
90: Routine Insp.	Months 12 07/10/2024
92A: FCM Insp.	N 0
92B: Dive Insp.	N 0
92C: Special Insp.	N 0
92D: UBIT Insp.	N 0
92E: Drone Insp.	N 0
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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>38-Reinforced Concrete Slab</b>	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.						
<b>215-Reinforced Concrete Abutment</b>	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.						
<b>330-Metal Bridge Railing</b>	3 - Mod.	44	ft.	44	0	0	0
	24" HIGH						
<b>815-Drainage</b>	3 - Mod.	2	each	2	0	0	0

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ODOT District: District 11

**CAR-00212-0391 \_(1001442)**

Date Built: 07/01/1930

Major Maint: 01 - State Highway Agency

Facility Carried: SR212

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: BR CONNOTTON CR

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 58576 - ORANGE TWP (CAR county)

Location: DISTRICT 11

1.88 MI. E. OF JCT. SR39

Insp

Inspector

Jewell,Todd

Inspection Date 07/10/2024

Reviewer Trivoli,Raymond

Resp B:

## **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**