Inspector:	Trivoli,Raymo	nd	Structure Number:	3403	3246		
Inspection Date:	05/25/2023		Facility Carried:	SR 79	99		
<u>Ohio Bridge Ins</u> p	pection S	ummary Report	<u> </u>	HAS-	00799-0	<u>563 (3403</u>	246
2: DistrictDistr 57456 - NC ict 11	OTTINGHAM T	WP (HAS county)	5A: Inventory Route	1	00799)	
21: Major Maint A/B (01 - State High	way Agency /	7: Facility On SR	799			
225 Routine Main A/B (01 - State High	way Agency /	6: Feature Ints MC	FADDE	N RUN		
221 Inspection A/B (01 - State High	way Agency /	9: Location .42	MWO	F MALLARN	EE RD	
220: Inv. Location DIST	RICT 11		Lat, Lon 40.	265561	7699	,-81.1873109162	2
	Conditio	n		Str	ucture Ty)e	
58: Deck	4 - Poor Co	ondition	43: Bridge Type	5 - Pr	estressed co	ncrete	
58.01 Wearing Surface	7 - Good (1	% distress)		05 - B	ox Beam or	Girders - Multiple	Э
58.02 Joint	N- Not App	licable		N- No	t Applicable		
59: Superstructure	4 - Poor Co	ondition	45: Spans Main	/ Approa	ich 1	/ 0	
59.01 Paint & PCS	N - Not App	blicable	107: Deck Type		1 - Concret	e Cast-in-Place	
60: Substructure	6 - Satisfa	ctory Condition	408: Composite	Deck	N - Non-co	mposite Construe	ction
61: Channel	6		414A Joint Type	1	N - None		
61.01 Scour	6 - Satisfa	ctory	414B: Joint Type	2	N - None		
62: Culverts	N - Not Ap	plicable	108A: Wearing S	Surface	6 - Bitumin	ous	
67.01 GA	4				N- Not App	licable	
	Appraisa	al	422: VVS Date	2	10/31/2019		
Sufficiency Rating	50.0	SD/FO 1 - SD	423: WS TRICK (I	n) Secting	3.75 N. None e	Not Applicable	
36: Rail, Tr, Gd, Term Std	1 1 1	1 1	462: Protective C	Joating	in - none o	Not Applicable	
72: Approach Alignment	7 - Better th	nan present minimum crite	eria 463. PCS Date	no 1	4 Elector	oria (Plain)	
113: Scour Critical	5 - Scour w	ithin limits of footing or pi	les		4 - Elasion	enc (Fiain)	
71: Waterway Adequacy	6 - Occasio	nal Overtopping of Appro	aches 528: Founda: Ab	ut Fwd	A - Cast-in-	Place Reinforce	d
	Geometr	ic			Concrete P	iles (12" diamete	er)
48: Max Span Length (ft)		22.0	533: Foundn: Ab	ut Rear	A - Cast-in- Concrete P	Place Reinforce iles (12" diamete	d er)
49: Structure Length (ft)		24.0	536: Foundn: Pie	er 1	N - None (S	Such as most Cu	lverts)
52: Deck Width, Out-To-C	Out (ft)	24.3	539: Foundn: Pie	er 2	N - None (S	Such as most Cu	lverts)
424: Deck Area (sf)		583.2		Age	and Serv	ice	
32: Appr Roadway Width	(ft)	24.0	27: Year Built/ 1	06 Reha	b 1948	/ 1981	
51: Road Width, Curb-Cu	rb (ft)	24.3	42A: Service On		1 - Hiahw	av	
50A: Curb/SW Width: Left	(ft)	0	42B: Service Un	der	5 - Water	wav	
50A: Curb/SW Width: Rig	ht (ft)	0	28A: Lanes on		02		
34: Skew (deg)	()	41	28B: Lanes Unde	er	00		
33: Bridge Median		0 - No median	19: Bypass Leng	th	99		
54B: Min Vert Underclear	ance (ft)	0	29: ADT		352		
336A: Min Vert Clrnce IR	Cardinal (ft)	99	109: % Trucks (%	%)	13		
336B: Min V Clr IR Non-C	ardinal (ft)	0					٦
578: Culvert Length (ft)		0		Insp	pections		
	Load Posti	na	90: Routine Insp		Months 12	05/25/2023	
41: Op/Post/Closed		ing	92A: FCM Insp.	N	0		
41. Op/POSI/Closed	A - Open	Lloade	92B: Dive Insp.	Ν	60	08/25/2022	
70.100 Date	s of above lega	10003	92C: Special Ins	p. N	12		
70.02: Sign Type			92D: UBIT Insp.	Ν	0		
734: Percent Legal (%)	150		92E: Drone Insp.	Ν	0		
704: Analysis Date	06/22/2023		Inspector Trive	oli.Ravm	ond		
63: Analysis Method	8 - Load and	Resistance Factor Rating	g	en,i tayii			
	(LRFR) ratin	g report by rating factor (F	RF)				
	method usin	y nl-93 loadings.					

Inspector:	Trivoli,Raymond	Structure Number:	3403246
Inspection Date:	05/25/2023	Facility Carried:	SR 799

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
15-Prestressed Concrete Top Flange	3 - Mod.	584	sq. ft.	236	85	44	219
	SEE ELEMENT	104					
510-Wearing Surfaces		584	sq. ft.	550	34	0	0
	CS2- (34SF) 10 FT LONGITUDINAL CRACK RT LANE AT MIDSPAN. TRANSVERSE CRACKS AT FWD AND REAR DECK JOINTS. 2023 INSP (24SF) LONGITUDINAL CRACK ON RT SIDE. SHORT TRANSVERSE CF THROUGHOUT.					SP: CS2- CRACKS	
104-Prestressed Concrete Closed Web/Box Girder	3 - Mod.	144	ft.	58	21	11	54
	2023 INSP: BEAM 1: CS4 - NEAR 2/3 POIN CS3- 1 LF NEA CS3- 2 LF CR. 1 REBAR EXPO BEAM 2: CS2 - BEAM 2: CS2 - BEAM 3: CS4 - SAME AREA O BEAM 3: CS4 - BEAM 3: CS2 - BEAM 4: CS4 - SPALL WITH 1 AREA AS LT S BEAM 4: CS3 - BEAM 4: CS3 - BEAM 5: CS2 - BEAM 5: CS2 - BEAM 6: CS3 - BEAM 6: CS3 - BEAM 6: CS3 - BEAM 6: CS2 - DEAM 6: CS2 - DEAM 6: CS2 - DEAM 1: CS4 - ALONG SPAN, CS3 - 2 FT ALO EXPOSED ALO BEAM 3 LT ED BEAM 3 CS4 - SPALL WITH 1 CR AND DELA MIDSPAN. BEAM 3 LT ED BEAM 4: CS4 - SPALL WITH 1 CR AND DELA MIDSPAN. BEAM 5: CS2 - BEAM 6: CS4 - DEAM 5: CS2 - BEAM 6: CS4 - SPALL WITH 1 CR AND DELA	4LF NEAR NT ALONG R FWD. AE AND DELA DSED ALOI 12 LF SPA 1 LF CR. A 12 LF SPA N RT SIDE 2 LF SPAL 12LF SPAL 12LF CR. A 12LF CR. A 12LF CR. A 12LF CR. A 12LF CR. A 1 LF CR A 3 LF SPAL AR ABUT. 1 LF CR. A 6 LF FASC 4LF NEAR DNG FASC ONG RIGHT 10 LF CR. EECS3 - IGE: CS3 - IGE: CS4 - CS4 - CS4 - M WITH RU 1 LF CR A 3 LF SPAL	1/3 PO SPAN S BUT. ON M. ALO NG RIG LLED W MD DE LLED W CR. AN LED W/ AND DEL L WITH STRANE STAINII ND DEL ND DEL ND DEL L WITH AND DEI AND DE STAINI ND DEL STAINI STAINI ND DEL STAINI STAINI ND DEL STAINI ND DEL STAINI ND DEL L WITH STRANE STRANE JST STA	INT ALONG SPALLED W/ I LT OUTSID NG FASCIA HT EDGE O //2 S.B. ALO ID DELAM. '1 S.B. LAM ON BO //2S.B. ALOI ID DELAM. '1 S.B. LAM. ON BO 2 S.B. ON LT SAM NEAR R AM NEAR R AM NEAR R AM NEAR R AM NEAR R CALL WITH 1 EDGE. 1 BROKEN O ALONG RT ALL WITH 1 EDGE. 1 BROKEN O ALONG RT ALL WITH 1 EDGE.	SPAN SPAL 1 S.B. E EDGE. LT EDGE, N F BEAM W/II DNG RIGHT TH LT/RT AT NG LT EDGE OTH LT AND STRAND O STRAND O C EDGE NEA SAME ARE. SIDE REAF SAME ARE. SIDE OF SPA EAR ABUT. LT/W EFFLO SPAN, 3 LF OCATIONS AR ABUTME //IN SAME L G RIGHT ED BUT, 2 LF N BROKEN S STRAND ON C EDGE NEA - 10 LF CR. EAR ABUT KPOSURE C	LED W/ 1 S. EAR REAR / N SAME LF. EDGE OF BE FWD ABUT OF BEAM N RT SIDE OF N LT EDGE / R 1/4 SPANI ALED AREA ON RT SIDE N LT SIDE. FONE STR/ / RT.	3., 3 LF ABUTMENT. EAM AT MID SPAN. BEAM. AND 4 LF N SAME - 4 LF CR AND ON LT OINT SCIA EDGE. R M AT BUT. R 1/4 ND 4 LF CS3 - 4 LF NEAR AND

Inspector:	Trivoli,Raymond	Structure Number:	3403246
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Environment	Quantity	Units	State 1	State 2	State 3	State 4
3 - Mod.	125	ft.	55	64	6	0
CS2-SCALING. ABUTMENTS A CS3- (6LF) RT EDGE.	CRACKED	0 & SON WALLS, IT. IS SF	IE BREAKIN MOSTLY O PALLED W/F	IG OUT AT J LD PART. REBAR EXPO	OINTS BET\ DSED. UNDE	WEEN ER DECK
3 - Mod.	24	each	24	0	0	0
3 - Mod.	960	sq. ft.	960	0	0	0
3 - Mod.	48	ft.	48	0	0	0
3 - Mod.	2	each	1	0	0	1
2023 INSP: CS4	4- (1EA) TH	IROUGI	H HOLES OI	N RT SIDE C	F DRIP STR	IP.
	3 - Mod. CS2-SCALING, ABUTMENTS A CS3- (6LF) RT EDGE. 3 - Mod. 3 - Mod.	Cuantity3 - Mod.125CS2-SCALING. CRACKEE ABUTMENTS AND WINGY CS3- (6LF) RT REAR ABU EDGE.3 - Mod.243 - Mod.9603 - Mod.483 - Mod.22023 INSP: CS4- (1EA) TH	QuantityQuantity3 - Mod.125ft.CS2-SCALING. CRACKED & SON ABUTMENTS AND WINGWALLS, CS3- (6LF) RT REAR ABUT. IS SI EDGE.SS3 - Mod.24each3 - Mod.960sq. ft.3 - Mod.48ft.3 - Mod.2each2023 INSP: CS4- (1EA) THROUGH	QuantityGuantityState 13 - Mod.125ft.55CS2-SCALING. CRACKED & SOME BREAKIN ABUTMENTS AND WINGWALLS, MOSTLY O CS3- (6LF) RT REAR ABUT. IS SPALLED W/F EDGE.State 13 - Mod.24each243 - Mod.960sq. ft.9603 - Mod.48ft.483 - Mod.2each12023 INSP: CS4- (1EA) THROUGH HOLES OF1	And State 1State 23 - Mod.125ft.5564CS2-SCALING. CRACKED & SOME BREAKING OUT AT J ABUTMENTS AND WINGWALLS, MOSTLY OLD PART. CS3- (6LF) RT REAR ABUT. IS SPALLED W/REBAR EXPO EDGE.3 - Mod.24each3 - Mod.24each2403 - Mod.960sq. ft.96003 - Mod.48ft.4803 - Mod.2each102023 INSP: CS4- (1EA) THROUGH HOLES ON RT SIDE C	Additional of the state 1State 2State 33 - Mod.125ft.55646CS2-SCALING. CRACKED & SOME BREAKING OUT AT JOINTS BETV ABUTMENTS AND WINGWALLS, MOSTLY OLD PART. CS3- (6LF) RT REAR ABUT. IS SPALLED W/REBAR EXPOSED. UNDER EDGE.3 - Mod.24each24003 - Mod.24each24000003 - Mod.960sq. ft.9600003 - Mod.2each10002023 INSP: CS4- (1EA) THROUGH HOLES ON RT SIDE OF DRIP STR

Inspec	ctor:	Trivoli,Raymond	Stru	ucture Number:	3403246		
Inspec	tion Date:	05/25/2023	Fac	ility Carried:	SR 799		
ODOT District:	District 11	ł	HAS-00799-0563	_(3403246)		Date Built:	07/01/1948
Major Maint:	01 - State Highway Age	ency Facility Carried:	SR 799	Traffic On: 1 - Highway		Rehab Date:	01/01/1981
Routine Maint:	01 - State Highway Age	ency Feature Inters:	MCFADDEN RUN	Traffic Under: 5 - Waterway		Insp. 01 - Resp A	State Highway Agency
FIPS Code:	57456 - NOTTINGHAM	I TWP (HAS county)	Location: DISTRICT 11	.42 M W OF MALLARNE	E RD I	Insp Been Di	
	Inspecto	or Trivoli,Raymond	Inspection Date 05/25/2023	Reviewer Khalifa	a,Waseem	Kesp B:	
					-		

Inspector Comments - Deck and Approach

Deck

Floor/Slab (SF)

SEE ELEMENT 104

Bridge Wearing Surface (SF)

NEW ASPHALT IN 2019.

2022 INSP: 10 FT LONGITUDINAL CRACK RT LANE AT MIDSPAN. TRANSVERSE CRACKS AT FWD AND REAR DECK JOINTS. 2023 INSP: CS2- (24SF) LONGITUDINAL CRACK ON RT SIDE. SHORT TRANSVERSE CRACKS THROUGHOUT.

Bridge Railing (LF)

MINOR DAMAGE. RUSTING ON BOTTOM HALF LEFT SIDE.

DRAINAGE (EA)

THROUGH HOLES IN DRIP STRIP ON RT SIDE.

Approach

Approach Wearing Surface (EA)

NEW ASPHALT IN 2019.

Approach Slab (SF)

ASPHALT COVERED. TRANSVERSE CRACK AT RT REAR AND FWD APPROACH JOINTS.

Approach Guardrail (EA)

MINOR DAMAGE TO LT REAR.

SIGNS (EA)

4 BRIDGE MARKER SIGNS IN PLACE.

Inspector Comments - General Appraisal

Superstructure

Inspector:	Trivoli,Raymond	Structure Number:	3403246
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BROKEN OUT AT BOTTOM LEFT EDGE BESIDE BRIDGE POST BOLTS WITH 1 STRAND EXPOSED AND RUST. MOISTURE SEEPAGE THROUGH JOINTS. LONGITUDINAL CRACKING 10' ALONG JOINT WITH 2ND, 3RD AND 4TH AND 5TH BEAMS WITH RUST STAINS AT REAR. ALSO CRACKING AT FWD ABUTMENT BETWEEN JOINTS. CRACKING AT REAR ABUTMENT EDGES BETWEEN 1ST AND 2ND BEAMS, 2ND AND 3RD BEAMS, 4TH AND 5TH BEAMS. READY TO SPALL OFF. SUPERSTRUCTURE RATING WAS DROPPED TO A 5, DUE TO LENGTH AND WIDTH OF CRACKS IN BEAMS WERE EXPANDING. MULTIPLE DARK AND DISCOLORED AREAS THROUGHT. CENTER BEAM ON EDGE HAS 4' LONG LONGITUDINAL CRACK WITH RUST STAINS. 2' HL HORIZONTAL CRACK ON RT FACIA BEAM BETWEEN RAIL POST 2 AND 3.

CS3- 2022 INSP : CENTER BEAM NOW HAS 4' LONG SPALL ON LT EDGE. BEAM # 6 BEAM HAS 3' LONG SPALL WITH ONE STRAND EXPOSED ON LT REAR.

Substructure

Abutment Walls (LF)

SCALING. CRACKED & SOME BREAKING OUT AT JOINTS BETWEEN ABUTMENTS AND WINGWALLS, MOSTLY OLD PART. HAIRLINE VERTICAL CRACKS. SMALL SPALL AT RIGHT REAR WINGWALL. EFFLOR SEEPAGE @ SOME CRACKS.

2022: Abutment

1: The

submerged portions of the abutment exhibited light scaling up to 1/16 in. deep from the channel bottom to the waterline. Isolated

areas of poor concrete consolidation up to 3/8 in. penetration with no exposed reinforcing steel was observed along the entire abutment. A vertical crack up to 3/8 in. wide with spalling up to 6 in. diameter by 1 in. deep was observed extending from the channel bottom to the top of cap. A vertical crack up to 1/16 in. wide from the channel bottom to the top of the web wall was observed 7 ft from the end of the northwest web wall. **Abutment**

2: The

submerged portions of the abutment exhibited light scaling up to 1/16 in. deep from the channel bottom to the waterline. Isolated

areas of poor concrete consolidation up to 3/8 in. penetration with no exposed reinforcing steel was observed along the entire abutment. A vertical crack up to 1/16 in. wide from the

channel bottom to the top of the web wall was observed 10 ft from the end of

the northeast web wall. A vertical crack with efflorescence up to 1/16

in. wide from the channel bottom to the top of the web wall was observed 13 ft

from the end of the northeast web wall. A vertical crack up to 5 ft vertical by 1/16 in.

wide extending from 3 ft below the waterline to 2 ft above the waterline was

observed 6 ft from the end of the southeast web wall.

Wingwalls (EA)

Substructure Scour (EA)

Inspector:	Trivoli,Raymond	Structure Number:	3403246
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PROBED 2020. 2' (OF FOOTER EXPOSED @ LT R	EAR, WATER 6' DE	EP THERE. 1' OF FOOTER
EXPOSED@ RT R	EAR, LT FWD & RT FWD.		

<u>Culvert</u>

Inspector Comments - Waterway

Waterway Adequacy

<u>Channel</u>

Channel Protection (LF)

UNDERMINING OF STONE PROTECTION AT LEFT REAR WINGWALL.

Scour Critical