Inspector:	Miller, Jason		Structure Number				
Inspection Date: 09/20/2023		Facility Carried:		ETROIT RD - SR254			
Ohio Bridge Ins	pection Su	<u>mmary Report</u>		<u>CUY-(</u>	00002-0597	<u>(1807730)</u>	
2: DistrictDistr 68056 - R( ict 12	OCKY RIVER (CL	JY county)	5A: Inventory R	oute 1	00002		
225 Routine Main A/B	01 - State Highwa 04 - City or Munic Agency		7: Facility On 6: Feature Ints	-			
221 Inspection A/B	01 - State Highwa RICT 12	y Agency /	9: Location Lat, Lon	IR90 AND 、 41.472528	JCT SR254 ,-81.	857206	
	Condition			Str	ucture Type		
58: Deck	5 - Fair Cond	lition	43: Bridge T		el continuous		
58.01 Wearing Surface 58.02 Joint	6 - Satisfacto	ry (1-10% distress) y leaking, offset)	-	02 - S N- No	tringer/Multi-bear t Applicable		
59: Superstructure 59.01 Paint & PCS	5 - Fair (10-1		-	lain / Approa	ich 3 1 - Concrete Ca	/ 0 st in Place	
60: Substructure	4 - Poor Con		107: Deck T 408: Compo	•••	N - Non-compos		
61: Channel	N	ation	408. Compe 414A Joint T		2 - Sliding Metal		
61.01 Scour	N - Not Appl	icable		• •	N - None	i i late / ligie	
62: Culverts	N - Not Appl		108A: Wearing Surface 2 - Integral Concrete (sep non-modified layer of con added to structural deck)				
67.01 GA	4		422: WS Da	to	1- Super Plastic 07/01/1993	IZeu	
	Appraisal		423: WS Th		2.0		
Sufficiency Rating	45.6	SD/FO 1 - SD	482: Protect	. ,	5 - Paint System	n OZEU	
36: Rail, Tr, Gd, Term Sto		1 1	483 PCS D	•	09/22/2000		
72: Approach Alignment 113: Scour Critical	8 - Equal to p N - Not over v	resent desirable criteria	453: Bearing	g Type 1	2 - Rockers & B	olsters	
71: Waterway Adequacy	N - Not Appli	•	455: Bearing	g Type 2	N - None		
	Geometric		528: Foundr	n: Abut Fwd	2 - Cast-in-Place Concrete Piles (		
	Geometric		 533: Foundr	n: Abut Rear			
48: Max Span Length (ft) 49: Structure Length (ft)		94.0 249.0	536: Foundr	n: Pier 1	Concrete Piles ( 2 - Cast-in-Place Concrete Piles (	e Reinforced	
52: Deck Width, Out-To-C	Dut (ft)	68.0	539: Foundr	n: Pier 2	0 - Other	,	
424: Deck Area (sf)		16932		Ade	and Service		
32: Appr Roadway Width	(ft)	54.0	27: Year Bu	ilt/ 106 Reha		0000	
51: Road Width, Curb-Cu	rb (ft)	54.0	42A: Service		5 - Highway-pe		
50A: Curb/SW Width: Lef	t (ft)	6	42B: Service		1 - Highway, w pedestrian		
50A: Curb/SW Width: Rig	ht (ft)	6	28A: Lanes		04		
34: Skew (deg)		45	28B: Lanes		06		
33: Bridge Median		0 - No median	19: Bypass	Length	3		
54B: Min Vert Underclear		14.51	29: ADT 109: % Truc	$k_{c}(9/)$	9734 4		
336A: Min Vert Clrnce IR		99	109. /8 1100	KS (70)	4		
336B: Min V Clr IR Non-C	ardinal (π)	0		Insp	pections		
578: Culvert Length (ft)				lasa	Months	100/0000	
	Load Postin	g	90: Routine	-		/20/2023	
41: Op/Post/Closed	A - Open		92A: FCM Ir 92B: Dive Ir	-	0 0		
	o or above legal l	oads	92B. Dive il 92C: Specia	•	0		
70.01: Date			92D: UBIT I	-	0		
70.02: Sign Type	150		92E: Drone	-	0		
734: Percent Legal (%)	150 08/11/2020						
704: Analysis Date		esistance Factor Ratin	=	Miller, Jason			
			<u> </u>				

Inspector:	Miller, Jason	Structure Number:	1807730		
Inspection Date:	09/20/2023	Facility Carried:	DETROIT RD - SR254		
63: Analysis Method	(LRFR) rating report by rating factor (RF) method using HL-93 loadings.				

Inspector:	Miller,Jason	Structure Number:	1807730
Inspection Date:	09/20/2023	Facility Carried:	DETROIT RD - SR254

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	16932	sq. ft.	11194	4230	1500	8
	CS 2 - Cracks.						
	CS 3 - Delams, cracks.	spalls (mo	stly over	r WB traffic).	Rear-right co	orner spalled	off. Wide
	CS 4 - Two spa	alls in span	2 with 4	or more reba	ar exposed.		
510-Wearing Surfaces		13446	sq. ft.	11721	1575	150	0
	CS2 - Map crac	cks and othe	er crack	S.			
	CS3- Some wide cracking. Spalls near rear in SB lanes.						
107-Steel Open Girder/Beam	3 - Mod.	1944	ft.	1829	100	15	0
	CS2- Scrapes & gouges as deep as 1/2" and drilled out crack to right fascia over EB lane 3. Right fascia bent 1" east over EB traffic (at old collision damage). Other scrapes to beam 7 over EB lane 3.						
515-Steel Protective Coating		23134	sq. ft.	11534	10000	1260	340
5	CS2- Chalking,	faded. Free	ckled rus	st.			
	CS3- Peeling & blistering paint.						
	CS4- Fire dama	age at forwa	ard abut	ment, left fas	cia. Areas of	unprotected	steel.
205-Reinforced Concrete Column	3 - Mod.	10	each	4	1	4	1
	CS3- P2C1- Wide cracking and ~8 sf delam. P2C2- 6sf spall with exposed rebar. P1C1- Wide cracking and ~10 sf delam. P1C5- Wide craacking and ~15 sf delam. CS4- P2:C3, 4+ continuous rebars exposed.						
215-Reinforced Concrete Abutment	3 - Mod.	192	ft.	164	25	3	0
	CS2- Cracks. Some scaling at forward. Pop outs near bottom of forward.						
			•				
521-Concrete Protective Coating	CS3- Spall and	3456	sq. ft.	3448	0	0	8
	CS4- Not effect		39. 11.	0440	0	0	0
234-Reinforced Concrete Pier Cap	3 - Mod.	180	ft.	130	10	40	0
	CS2- Diagonal	crack to lef	t cantile	ver and othe	wide cracks	to top of cap	).
	CS3- Crack as with shear-type cap.						
521-Concrete Protective Coating		1620	sq. ft.	1620	0	0	0
305-Assembly Joint without Seal	3 - Mod.	136	ft.	0	88	6	42
-	CS2- Areas of t	ar and deb	ris in joir	nts.			
	CS3- Gouges to	o armor. Ru	isting se	ection loss to	forward. A fe	ew spalls to h	eader.
	CS4- Areas of I large as 2" x 48					Rusting thru	holes as

large as 2" x 48" to all four sidewalk cover plates.

Inspector:	Miller, Jason	Structure Number:	1807730
Inspection Date:	09/20/2023	Facility Carried:	DETROIT RD - SR254

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
311-Movable Bearing	3 - Mod.	24	each	0	8	16	0
	CS2- Surface rusting. CS3- Pack rust to abutment rockers.						
313-Fixed Bearing	3 - Mod.	8	each	0	8	0	0
	CS2- All have s	urface rust.					
321-Reinforced Concrete Approach Slab	3 - Mod.	2700	sq. ft.	2449	125	75	51
	CS2 - A few cra	icks.					
	CS3- Wide full-	ength crack	ks to bot	th.			
	CS4- Asphalt patches along ExJt to both.						
331-Reinforced Concrete Bridge Railing	3 - Mod.	588	ft.	368	215	5	0
	Bent post to left rail over WB lane 1. Fence posts at forward right re accident damage.				right remove	ed by	
	CS2- Cracks.						
	CS3- A few spalls & delams.						
521-Concrete Protective Coating		2940	sq. ft.	2940	0	0	0
815-Drainage	3 - Mod.	12	each	1	11	0	0
	CS2- Partially plugged scupper troughs with vegetation growing.						
830-Abutment Backwall	3 - Mod.	192	ft.	167	15	10	0
	CS2- Vertical cracks, some leaching.						
CS3- Large spall with exposed rebar in rear bay 5. Loose						elams. Other	spalls.
521-Concrete Protective Coating		768	sq. ft.	748	0	0	20
	CS4- Not effect	ive.					

Inspe	ctor:	Miller,Ja	son		Structure Numbe	er: 1807730		
Inspe	ction Date:	09/20/2	023		Facility Carried:	DETROIT RD -	SR254	
ODOT District:	District 12		C	CUY-00002-05	97 _(1807730	D)	Date Built:	07/01/1977
Major Maint:	01 - State Highway Ag	gency	Facility Carried:	DETROIT RD - SR254	Traffic On: 5 - H	lighway-pedestrian	Rehab Date:	
Routine Maint:	04 - City or Municipal Agency	Highway	Feature Inters:	IR-90(CUY-90-0595)		lighway, with or w/out estrian	Insp. 01 · Resp A:	State Highway Agency
FIPS Code:	68056 - ROCKY RIVE	R (CUY count	y)	Location: DISTRICT 12	IR90 AND JC		Insp Resp B:	
	Inspec	tor Mille	er,Jason	Inspection Date 09/20/	2023 Review	wer Seif, Youssef	Kesp B.	
			nonostor	Commonto	Dook and Ar	anraaah		

# Inspector Comments - Deck and Approach

#### Deck

# Floor/Slab

Spalls over Westbound traffic in bay 1 over lane 1, bay 7 over high-speed berm, lane 1, 2,3 and low speed berm, bay 4 over lane 2.

Spalls over Eastbound traffic in bay 7 over lane 3 and bay 4 over lane 2 and bay 6 over lane 2.

#### Curbs/Sidewalk

Cracks. Concrete patches. Scaling. Delams. Spall with exposed rebar to left curb near forward. Other spalls.

# Approach

#### **Approach Wearing Surface**

A few sealed cracks.

# **Approach Guardrail**

Some rusting through holes to rails. Post rot.

# Signs

No bridge end markers.

# **Inspector Comments - General Appraisal**

#### Superstructure

#### **Diaphragm/X-Frames**

Rusted section loss with rusted thru holes in forward bays 1 & 7 and rear bay 7. Collision damage to horizontal angle in bay 7 over EB lane 3.

# **Utilities**

Some disconnected conduits in bays 6. Some broken straps. Disconnected junction box laying on P2 in bay 1. Rusting section loss to hardware. Under bridge lighting at rear abutment is missing 1 lamp & another is hanging from wire.

# Substructure

# **Slope Protection**,

Inspector:	Miller, Jason
Inspection Date:	09/20/2023
Slight uneven settleme	ent at forward.

Structure Number: Facility Carried:

# Culvert

# Inspector Comments - Waterway

# Waterway Adequacy

<u>Channel</u>

Scour Critical