Ohio Bridge Inspection Summary Report

704: Analysis Date

63: Analysis Method

07/01/2011

8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF)

LIC-00161-0062R (4505522)

Ohio Bridge Inspe	<u>ection Su</u>	<u>ımmary Report</u>			LIC-(<u> </u>	<u>1-0062</u>	<u>R_(4505</u>	<u>522)</u>
2: DistrictDistr 39102 - JER ict 05	SEY TWP (LIC	C county)	5A:	Inventory Rou	ute 1		00161		
	- State Highw	ay Agency /	7: F	acility On	SR 161 E	В			
225 Routine Main A/B 01	- State Highw	ay Agency /		· -	SR 161E	3 OVER	R BEECH F	ROAD	
221 Inspection A/B 01	- State Highw	ay Agency /	9: L	ocation	.6 MI E O	F FRAN	IKLIN C LI	IN	
220: Inv. Location DISTR	ICT 05		L	at, Lon	40.07998	004726	94 ,-82	2.753584897	4824
	Condition	ı			St	ructur	ге Туре		
58: Deck	8 - Very Go	od Condition		43: Bridge Ty	pe 3-S	teel			
58.01 Wearing Surface	8 - Very God	od (isolated or minor proble	ems)		02 -	Stringe	r/Multi-bea	am or Girder	
58.02 Joint	N- Not Appli	cable			N- N	ot Appli	icable		
59: Superstructure	8 - Very Go	od Condition		45: Spans Ma	ain / Appro	ach	1	/ 0	
59.01 Paint & PCS	•			107: Deck Ty	1 - C	1 - Concrete Cast-in-Place			
60: Substructure	8 - Very Go	od Condition		408: Compos	ite Deck	Y - C	omposite	Construction	
61: Channel	N			414A Joint Ty	/pe 1	N - N	lone		
61.01 Scour	N - Not App	licable		414B: Joint T	ype 2	N - N	lone		
62: Culverts	N - Not App	licable		108A: Wearin	ig Surface			Concrete placed with st	ructural
67.01 GA	8						ot Applical	ble	
	Appraisa			422: WS Date			1/2008		
Sufficiency Rating	85.0	SD/FO 0 - ND		423: WS Thic		1.0			
36: Rail, Tr, Gd, Term Std	1 1	1 1		482: Protectiv	-		aint Syste	m IZEU	
72: Approach Alignment		an present minimum criteria	а	483: PCS Da			1/2008		
113: Scour Critical	N - Not over	=		453: Bearing				c (laminated)	
71: Waterway Adequacy	N - Not Appl	•		455: Bearing		N - N			_
Geometric				528: Foundn:		C - Cast-in-Place Reinforced Concrete Piles (16" diameter)			
48: Max Span Length (ft)		142.0		533: Foundn:	Abut Rea	r C-C	Cast-in-Pla	ce Reinforce	ď
49: Structure Length (ft)		144.0		536: Foundn:	Pior 1			(16" diamete h as most Cu	-
52: Deck Width, Out-To-Ou	+ (f+)	60.0		539: Foundn:				h as most Cu	-
424: Deck Area (sf)	(11)	8640		559. 1 Odridii.	1161 2	10 - 10	ione (ouci	Tas most Cu	
		Age and Service							
32: Appr Roadway Width (ft	-	56.0		27: Year Built	/ 106 Reh			0000	
51: Road Width, Curb-Curb	. ,	56.0		42A: Service			Highway		
50A: Curb/SW Width: Left (ŕt)	0		42B: Service	Under		Highway, [,] destrian	with or w/out	
50A: Curb/SW Width: Right	(ft)	0		28A: Lanes o	n	02			
34: Skew (deg)		8		28B: Lanes U	Inder	04			
33: Bridge Median		0 - No median		19: Bypass Le	ength	14			
54B: Min Vert Underclearan	ice (ft)	18.08		29: ADT		154	120		
336A: Min Vert Clrnce IR Ca	ardinal (ft)	99		109: % Truck	s (%)	5			
336B: Min V Clr IR Non-Car	rdinal (ft)	0			Inc	pection			٦
578: Culvert Length (ft)		0			IIIs	•	onths		_
Load Posting				90: Routine Ir	nsp.	24		3/22/2023	
	A - Open	_		92A: FCM Ins	sp. N	0			
70: Posting 5 - Equal to or above legal loads				92B: Dive Ins	p. N	0			
70.01: Date				92C: Special	Insp. N	0			
70.02: Sign Type				92D: UBIT Ins	sp. N	0			
734: Percent Legal (%)	150			92E: Drone In	isp. N	0			
704. Analysis Data	07/04/0044			Inonostor D					

Inspector

Beedy, Matthew

Inspector:Beedy,MatthewInspection Date:03/22/2023

method using HL-93 loadings.

Structure Number: 4505522
Facility Carried: SR 161 EB

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4		
12-Reinforced Concrete Deck	3 - Mod.	8640	sq. ft.	8580	60	0	0		
	CS2 Edge of floor Multiple locations of minor vertical cracks (CS 2) on left edge and right edge (9').								
805-Wearing Surface - Monolithic Concrete		8064	sq. ft.	7914	150	0	0		
	CS2- Random areas of small longitudinal cracking estimated (150 SF CS2)								
	2019 - Crews placed HMWM								
107-Steel Open Girder/Beam	3 - Mod.	966	ft.	966	0	0	0		
515-Steel Protective Coating		16382	sq. ft.	15252	1130	0	0		
	Areas of both outside beams exhibits paint fading estimated 60' (CS 2). Areas of interior beams showing signs of discoloring and fading (CS2)								
215-Reinforced Concrete Abutment	3 - Mod.	121	ft.	113	8	0	0		
	CS 2-Minor vertical cracks (CS 2) at rear abutment (4') and forward abutment (4'). Water running down the face of each abutment. Water is coming form the hortizona joint between the diaphragms and abutment seat.								
310-Elastomeric Bearing	3 - Mod.	14	each	14	0	0	0		
321-Reinforced Concrete Approach Slab	3 - Mod.	5593	sq. ft.	5593	0	0	0		
331-Reinforced Concrete Bridge Railing	3 - Mod.	288	ft.	254	34	0	0		
	CS2-Multiple locations of minor vertical or horizontal cracks or minor abrasion (CS 2 on left railing (6') and right railing (28').								
815-Drainage	3 - Mod.	2	each	1	1	0	0		
	Previous inspections noted some minor ponding of water along the left and right shoulders. Heavy gravel building up along right side.								
840-Approach Slab: Termination or Joint	3 - Mod.	112	ft.	92	0	20	0		
	CS2- Grass gro	wing along	shoulde	ers with dete	rioration of jo	int sealer			

ODOT District: District 05

FIPS Code: 39102 - JERSEY TWP (LIC county)

Inspector

LIC-00161-0062R_(4505522)

Major Maint: 01 - State Highway Agency Facility Carried: SR 161 EB

Routine Maint: 01 - State Highway Agency Feature Inters: SR 161EB O\

Beedy, Matthew

SR 161EB OVER BEECH ROAD Location: DISTRICT 05 Traffic On: 1 - Highway

Traffic Under: 1 - Highway, with or w/out pedestrian

.6 MI E OF FRANKLIN C LIN

Reviewer Zigan, Curtis

Date Built: 11/01/2008

Rehab Date:

Insp. 01 - State Highway Agency Resp A: Insp Resp B:

Inspector Comments - Deck and Approach

Inspection Date 03/22/2023

Deck

Approach

Inspector Comments - General Appraisal

<u>Superstructure</u>

Diaphragm/X-Frames (EA)

54 Steel crossframes and 12 concrete diaphragms at abutments Vertical cracks under beams in concrete diaphragms still within CS1 limits

Protective Coating System (LF)

Areas of both outside beams exhibits paint fading estimated 60' (CS 2). Areas of interior beams showing signs of discoloring and fading (CS2)

Utilities (LF)

Electrical conduit in both parapets.

Substructure

Wingwalls (EA)

Left rear exhibits minor cracks in coping (1, CS 2). Right rear exhibits minor cracks, spalls, and scaling at top of wall (1, CS 2). Left forward exhibits minor cracks in coping and transverse spalling at face next to abutment seat (1, CS 2). Right forward exhibits minor cracks, spalls, and scaling at top of wall (1, CS 3). Right rear and right forward exhibit PEJF between wingwall and abutment deteriorating and staining abutment wall.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

Bridge Inspection Report

Pictures



PHOTO 1
Description



PHOTO 2 Description

Bridge Inspection Report



PHOTO 3

Description



PHOTO 4
Description

Bridge Inspection Report

Pictures



PHOTO 5

Description



PHOTO 6

Description

Bridge Inspection Report

Pictures



PHOTO 7 Description

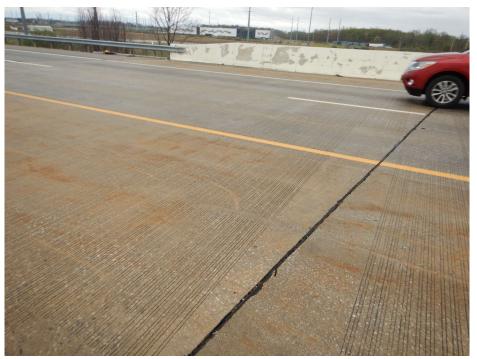


PHOTO 8

Description

Bridge Inspection Report



PHOTO 9

Description



PHOTO 10 Description

Bridge Inspection Report



PHOTO 11 Description



PHOTO 12 Description

Bridge Inspection Report



PHOTO 13

Description



PHOTO 14
Description

Bridge Inspection Report



PHOTO 15 Description



PHOTO 16

Description

Bridge Inspection Report



PHOTO 17 Description



PHOTO 18 Description

Bridge Inspection Report

Pictures



PHOTO 19 Description



PHOTO 20 Description

Bridge Inspection Report



PHOTO 21 Description



PHOTO 22 Description

Bridge Inspection Report



PHOTO 23 Description



PHOTO 24

Description

Bridge Inspection Report



PHOTO 25 Description



PHOTO 26

Description

Bridge Inspection Report



PHOTO 27 Description



PHOTO 28 Description

Bridge Inspection Report

Pictures



PHOTO 29 Description



PHOTO 30 Description

Bridge Inspection Report



PHOTO 31 Description



PHOTO 32 Description

Bridge Inspection Report



PHOTO 33 Description

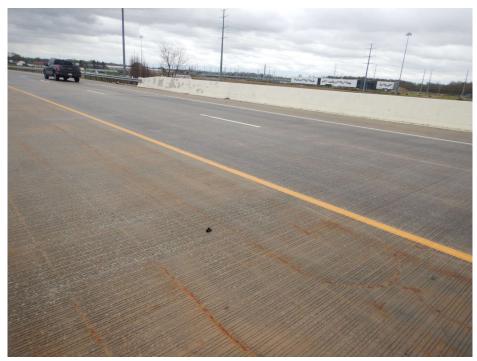


PHOTO 34 Description