

Inspector: Beedy,Matthew
 Inspection Date: 10/20/2023

Structure Number: 4501799
 Facility Carried: EB SR 37 AND 161

Ohio Bridge Inspection Summary Report

LIC-00037-1405R (4501799)

2: District 31416 - GRANVILLE TWP (LIC county)
 ict
 05

5A: Inventory Route 1 00037

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 05

7: Facility On EB SR 37 AND 161
 6: Feature Ints EB 37 & 161 CHINNEY CREE
 9: Location 2.4 MI E OF JCT SR 161
 Lat, Lon 40.069869 ,-82.561848

Condition		Structure Type	
58: Deck	9 - Excellent Condition	43: Bridge Type	2 - Concrete continuous
58.01 Wearing Surface	8 - Very Good (isolated or minor problems)		01 - Slab
58.02 Joint	N- Not Applicable		N- Not Applicable
59: Superstructure	9 - Excellent Condition	45: Spans Main / Approach	3 / 0
59.01 Paint & PCS	N - Not Applicable	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	9 - Excellent Condition	408: Composite Deck	X - Not Applicable
61: Channel	8	414A Joint Type 1	N - None
61.01 Scour	7 - Good	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)
			N- Not Applicable
67.01 GA	9		

Appraisal			
Sufficiency Rating	98.5	SD/FO	0 - ND
36: Rail, Tr, Gd, Term Std	1	1	1 1
72: Approach Alignment	7 - Better than present minimum criteria		
113: Scour Critical	8 - Stable for scour conditions		
71: Waterway Adequacy	8 - Bridge Above Approaches		

422: WS Date	08/01/2009
423: WS Thick (in)	1.0
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	C - Cast-in-Place Reinforced Concrete Piles (16" diameter)
533: Foundn: Abut Rear	C - Cast-in-Place Reinforced Concrete Piles (16" diameter)
536: Foundn: Pier 1	C - Cast-in-Place Reinforced Concrete Piles (16" diameter)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Geometric	
48: Max Span Length (ft)	57.5
49: Structure Length (ft)	150.8
52: Deck Width, Out-To-Out (ft)	59.0
424: Deck Area (sf)	8897.2
32: Appr Roadway Width (ft)	56.0
51: Road Width, Curb-Curb (ft)	56.0
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	0
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

Age and Service	
27: Year Built/ 106 Rehab	2009 / 0000
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	1
29: ADT	16079
109: % Trucks (%)	9

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 (%)	150
704: Analysis Date	07/01/2010
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18

Inspections		
	Months	
90: Routine Insp.	24	10/20/2023
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
38-Reinforced Concrete Slab	3 - Mod.	8891	sq. ft.	8891	0	0	0
Minor hairline cracks forming in various locations							
805-Wearing Surface - Monolithic Concrete		8442	sq. ft.	8192	250	0	0
2018 - Minor transverse cracks over pier 1 (840 SF, CS 2) and minor map cracks over pier 2 (1120 SF, CS 2). 2019 - Wearing surface was flooded with HMWM							
215-Reinforced Concrete Abutment	3 - Mod.	115	ft.	112	3	0	0
Multiple locations of minor vertical or horizontal cracks (CS 2) near middle of rear abutment (2') and forward abutment (1').							
225-Steel Pile	3 - Mod.	24	each	24	0	0	0
234-Reinforced Concrete Pier Cap	3 - Mod.	115	ft.	115	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	2950	sq. ft.	2950	0	0	0
331-Reinforced Concrete Bridge Railing	3 - Mod.	302	ft.	278	24	0	0
Multiple locations of minor vertical cracks (CS 2), worst near the piers, on left railing (15') and right railing (9').							
815-Drainage	3 - Mod.	2	each	2	0	0	0

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ODOT District: District 05

LIC-00037-1405R_(4501799)

Date Built: 08/01/2009

Major Maint: 01 - State Highway Agency

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Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: EB 37 & 161 CHINNEY CREE

Traffic Under: 5 - Waterway

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 31416 - GRANVILLE TWP (LIC county)

Location: DISTRICT 05

2.4 MI E OF JCT SR 161

Insp
Resp B:

Inspector

Beedy,Matthew

Inspection Date 10/20/2023

Reviewer Zigan,Curtis

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface (EA)

Asphalt exhibits deterioration cracking and potholes forming approximately 36 SF along the forward end. Also transverse cracking along the rear driving lane

Approach Slab (SF)

Slabs flooded with HMWM in 2019

Inspector Comments - General Appraisal

Superstructure

Substructure

Slope Protection (EA)

Heavy vegetation growth along each end

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Channel Alignment (LF)

Channel flowing closer to pier 2 through span 2. Dry channel during 2017,2018 Inspection

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Scour Critical

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Bridge Inspection Report

Pictures



PHOTO 1
Description



PHOTO 2
Description

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PHOTO 3

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PHOTO 4

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PHOTO 5

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PHOTO 6

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PHOTO 7

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PHOTO 8

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PHOTO 9
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PHOTO 10
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PHOTO 11

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PHOTO 12

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PHOTO 13

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PHOTO 14

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PHOTO 15

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PHOTO 16

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PHOTO 17

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PHOTO 18

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PHOTO 19

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PHOTO 20

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PHOTO 21

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PHOTO 22

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PHOTO 23

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PHOTO 24

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PHOTO 25

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PHOTO 26

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PHOTO 27

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PHOTO 28

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PHOTO 29

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PHOTO 30

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PHOTO 31

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PHOTO 32

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PHOTO 33

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PHOTO 34

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PHOTO 35

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PHOTO 36

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PHOTO 37

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PHOTO 38

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PHOTO 39

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PHOTO 40

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PHOTO 41

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PHOTO 42

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PHOTO 43

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PHOTO 44

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PHOTO 45
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