

Inspector: Beedy,Matthew

Inspection Date: 10/20/2023

Structure Number: 4501780

Facility Carried: WB SR 37 AND 161

Ohio Bridge Inspection Summary Report

LIC-00037-1405L (4501780)

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 WB SR 37 AND 161
6: Feature Ints WB 37 & 161 CHINNEY CREE
9: Location 2.4 M E OF JCT SR 161
Lat, Lon 40.070112 ,-82.56177

Condition	Structure Type
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58: Deck **8 - Very Good Condition**
58.01 Wearing Surface 8 - Very Good (isolated or minor problems)
58.02 Joint N- Not Applicable
59: Superstructure **9 - Excellent Condition**
59.01 Paint & PCS N - Not Applicable
60: Substructure **9 - Excellent Condition**
61: Channel **8**
61.01 Scour **7 - Good**
62: Culverts **N - Not Applicable**

43: Bridge Type 2 - Concrete continuous
01 - Slab
N- Not Applicable
45: Spans Main / Approach 3 / 0
107: Deck Type 1 - Concrete Cast-in-Place
408: Composite Deck X - Not Applicable
414A Joint Type 1 N - None
414B: Joint Type 2 N - None
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 10/01/2008
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 2008 / 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

90: Routine Insp. *Months* 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.	8897	sq. ft.	8873	24	0	0
Span 3 exhibits a minor longitudinal leaching crack left of center (24 SF, CS2).							
805-Wearing Surface - Monolithic Concrete		8445	sq. ft.	8245	200	0	0
2018-Wearing surface exhibits some minor transverse cracks over both piers (336 SF, CS2). 2019-Wearing surface flooded with HMWM.							
215-Reinforced Concrete Abutment	3 - Mod.	115	ft.	114	1	0	0
Both abutments exhibit minor stains on the face of the abutment beneath each weephole (11 total at rear and 13 total at forward) Forward abutment exhibits a minor leaching vertical crack right of center (1 LF, CS2).							
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.	296	6	0	0
Left railing exhibits a minor vertical crack over Pier 2 (1 LF, CS2). Right railing exhibits minor vertical cracks over Pier 2 (4 LF, CS2). Right railing exhibits a minor spall on the top in the midspan of span 2 (1 LF, CS2).							
815-Drainage	3 - Mod.	2	each	2	0	0	0

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ODOT District: District 05

LIC-00037-1405L_(4501780)

Date Built: 11/01/2008

Major Maint: 01 - State Highway Agency

Facility Carried: WB SR 37 AND 161

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: WB 37 & 161 CHINNEY CREE

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

Resp A:

FIPS Code: 31416 - GRANVILLE TWP (LIC county)

Location: DISTRICT 05

2.4 M 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

Deck Drainage (EA)

Right rear approach slab exhibits minor ponding along the parapet (1 EA, CS2). Minor dirt and debris along left parapet.

Approach

Approach Wearing Surface (EA)

New asphalt pavement in 2019 Transverse cracks forming

Inspector Comments - General Appraisal

Superstructure

Slab (SF)

For comments, see c7.1 Floor/Slab.

Substructure

Wingwalls (EA)

Right rear wingwall exhibits a spall (1' w x 2' h) with exposed rebar at the top right corner about 2" deep (1 EA, CS3). Right forward wingwall exhibits a minor diagonal crack at the top left corner along the deck edge (1 EA, CS2).

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

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Channel Alignment (LF)

Channel flows thru span 2, favoring pier 2 but not encroaching on pier however the channel is eroding through the pier columns of the county structure. Email has been sent to district bridge engineer to take corrective measures (2021). Flows straight beyond the bridge in each direction. Dry during 2017,2018 Inspection

Channel Protection (LF)

Channel well vegetated and protected each direction.

Scour Critical

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Bridge Inspection Report

Pictures



PHOTO 1
Description



PHOTO 2
Description

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PHOTO 3

Description



PHOTO 4

Description

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PHOTO 5

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PHOTO 6

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Bridge Inspection Report

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PHOTO 7
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PHOTO 8
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Bridge Inspection Report

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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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Bridge Inspection Report

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PHOTO 35

Description



PHOTO 36

Description