Inspector:	Persanyi,Andrea	**Structure Number:**	2802406
Inspection Date:	07/14/2022	**Facility Carried:**	SR 700

Bridge Inspection Report

Ohio Bridge Inspection Summary Report

GEA-00700-0387 (2802406)

2: District	District 12 77574 - TROY TWP (GEA county)	5A: Inventory Route	1 00700
21: Major Maint A/B	01 - State Highway Agency /	7: Facility On	SR 700
225 Routine Main A/B	01 - State Highway Agency /	6: Feature Ints	CUY RIV BR 1.16 MI N 422
221 Inspection A/B	01 - State Highway Agency /	9: Location	1.16 MI N USR422
220: Inv. Location	DISTRICT 12	Lat, Lon	41.403408 ,-81.144956

Condition

58: Deck	**5 - Fair Condition**
58.01 Wearing Surface	6 - Satisfactory (1-10% distress)
58.02 Joint	N- Not Applicable
59: Superstructure	**5 - Fair Condition**
59.01 Paint & PCS	6 - Satisfactory (5-10% corr.)
60: Substructure	**6 - Satisfactory Condition**
61: Channel	**6**
61.01 Scour	**6 - Satisfactory**
62: Culverts	**N - Not Applicable**
67.01 GA	**5**

Appraisal

Sufficiency Rating	68.3 SD/FO 2 - FO
36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	5 - Scour within limits of footing or piles
71: Waterway Adequacy	8 - Bridge Above Approaches

Geometric

48: Max Span Length (ft)	30.0
49: Structure Length (ft)	30.0
52: Deck Width, Out-To-Out (ft)	32.0
424: Deck Area (sf)	960
32: Appr Roadway Width (ft)	20.0
51: Road Width, Curb-Curb (ft)	20.0
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

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	07/01/1973
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18

Structure Type

43: Bridge Type	1 - Concrete
	01 - Slab
	N- Not Applicable
45: Spans Main / Approach	1 / 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	6 - Bituminous
	N- Not Applicable
422: WS Date	01/01/2011
423: WS Thick (in)	2.0
482: Protective Coating	B - Epoxy - Urethane sealers
483: PCS Date	01/01/1993
453: Bearing Type 1	0 - Other
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	4 - Spread Footing (on soil)
533: Foundn: Abut Rear	4 - Spread Footing (on Soil)
536: Foundn: Pier 1	N - None (Such as most Culverts)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1954 / 0000
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	2
29: ADT	3314
109: % Trucks (%)	9

Inspections

		Months	
90: Routine Insp.		12	07/14/2022
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	

Inspector Persanyi,Andrea

Inspector:	Persanyi,Andrea	**Structure Number:**	2802406
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Bridge Inspection Report

loading.

Inspector: Persanyi,Andrea **Structure Number:** 2802406

Inspection Date: 07/14/2022 **Facility Carried:** SR 700

Bridge Inspection Report

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38-Reinforced Concrete Slab	3 - Mod.	975	sq. ft.	705	75	190	5
	CS2- A few cracks with stalactites. Minor mottled areas with efflorescence at middle seam. CS3- Deck edges have logitudinal cracks 3"-4" up from deck bottom. Large delams that extend as much as 2' in from deck edge. Large spalls with exposed rebar, some 360°. CS4- Spalled area to west side at mid span has several 360° rebar exposed.						
510-Wearing Surfaces		975	sq. ft.	850	78	47	0
	Note: Asphalt wearing surface. CS2- Cracks, CS 3- Full width at slab limits as wide as 1/4".						
521-Concrete Protective Coating		90	sq. ft.	20	30	40	0
	CS2- Fading CS3- Spalled areas.						
215-Reinforced Concrete Abutment	3 - Mod.	72	ft.	36	30	6	0
	CS2- Leaching cracks, mostly horizontal. CS3- Spall with rebar exposed at forward left. Other small spalls and delams. 3" x 2.5" deep void at rear-right corner near deck.						
321-Reinforced Concrete Approach Slab	3 - Mod.	600	sq. ft.	600	0	0	0
	Paved over						
330-Metal Bridge Railing	3 - Mod.	60	ft.	45	5	10	0
	All anchor bolt nuts from deck to I-beam posts are tightened to the mid-point of nut. CS2- Minor collision damage to right rail. CS3- Cracking/spalling to deck edge exposes some anchorage to all 10 guard rail posts. Rusting to nuts and bolts.						
815-Drainage	3 - Mod.	2	each	0	2	0	0
	CS2- Drip strips are not effective, letting water drip to slab edges.						

Inspector:	Persanyi,Andrea	**Structure Number:**	2802406
Inspection Date:	07/14/2022	**Facility Carried:**	SR 700

Bridge Inspection Report

GEA-00700-0387 _(2802406)

ODOT District:	District 12					Date Built:	07/01/1954
Major Maint:	01 - State Highway Agency	Facility Carried:	SR 700	Traffic On:	1 - Highway	Rehab Date:	
Routine Maint:	01 - State Highway Agency	Feature Inters:	CUY RIV BR 1.16 MI N 422	Traffic Under:	5 - Waterway	Insp. Resp A:	01 - State Highway Agency
FIPS Code:	77574 - TROY TWP (GEA county)	Location:	DISTRICT 12	1.16 MI N USR422		Insp Resp B:	

Inspector Persanyi,Andrea Inspection Date 07/14/2022 Reviewer Seif,Youssef

Inspector Comments - Deck and Approach

Deck

Approach

Approach Embankment (EA)

Erosion hole behind rear-right wingwall.

Inspector Comments - General Appraisal

Superstructure

Substructure

Wingwalls (EA)

Minor spalls.

Substructure Scour (EA)

10' diameter x 3' deep scour hole at rear-right corner with no footing exposure. Water flows from east to west. Water flows into old south east wingwall.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Channel Protection (LF)

One sandstone block is tipped into river causing a 3' x 2' x 3.5' void at rear-right (SE) corner, other blocks have shifted.

Scour Critical

Dive inspection completed 6/10/2019.

Inspector: Andrea Persanyi **Structure Number:** 2802406

Inspection Date: 07/14/2022 **Facility Carried:** SR 700

Bridge Inspection Report

Pictures