

Inspector: Persanyi,Andrea  
 Inspection Date: 12/14/2022

Structure Number: 1801953  
 Facility Carried: SR 14DA

Bridge Inspection Report

**Ohio Bridge Inspection Summary Report**

**CUY-0014D-0015 (1801953)**

2: District 16000 - CLEVELAND (CUY county)  
 District 12

5A: Inventory Route 1 00014

21: Major Maint A/B 01 - State Highway Agency /  
 225 Routine Main A/B 04 - City or Municipal Highway /  
 Agency  
 221 Inspection A/B 01 - State Highway Agency /  
 220: Inv. Location DISTRICT 12

7: Facility On SR 14DA  
 6: Feature Ints NSC RR @ EAST 93RD ST.  
 9: Location APPROX .5MI S HARVARD BLV  
 Lat, Lon 41.443258 , -81.621527

**Condition**

**58: Deck 4 - Poor Condition**  
 58.01 Wearing Surface 7 - Good (1% distress)  
 58.02 Joint 6- Satisfactory (isolated leaking)  
**59: Superstructure 7 - Good Condition**  
 59.01 Paint & PCS 4 - Poor PCS (15-20% corr.)  
**60: Substructure 7 - Good Condition**  
**61: Channel N**  
 61.01 Scour **N - Not Applicable**  
**62: Culverts N - Not Applicable**  
**67.01 GA 7**

**Structure Type**

43: Bridge Type 4 - Steel continuous  
 02 - Stringer/Multi-beam or Girder  
 N- Not Applicable  
 45: Spans Main / Approach 2 / 0  
 107: Deck Type 1 - Concrete Cast-in-Place  
 408: Composite Deck N - Non-composite Construction  
 414A Joint Type 1 3 - Compression Seal  
 414B: Joint Type 2 N - None  
 108A: Wearing Surface 3 - Latex Concrete or similar  
 additive  
 N- Not Applicable

**Appraisal**

Sufficiency Rating 82.3 SD/FO 1 - SD  
 36: Rail, Tr, Gd, Term Std 1 1 1 1  
 72: Approach Alignment 8 - Equal to present desirable criteria  
 113: Scour Critical N - Not over waterway  
 71: Waterway Adequacy N - Not Applicable

422: WS Date 10/15/2008  
 423: WS Thick (in) 1.2  
 482: Protective Coating 4 - Paint System B  
 483: PCS Date 01/01/1986  
 453: Bearing Type 1 2 - Rockers & Bolsters  
 455: Bearing Type 2 N - None  
 528: Foundn: Abut Fwd 2 - Cast-in-Place Reinforced  
 Concrete Piles (Other diameter)  
 533: Foundn: Abut Rear 1 - Steel H Piles (Other Size)  
 536: Foundn: Pier 1 4 - Spread Footing (on soil)  
 539: Foundn: Pier 2 0 - Other

**Geometric**

48: Max Span Length (ft) 91.0  
 49: Structure Length (ft) 152.0  
 52: Deck Width, Out-To-Out (ft) 63.0  
 424: Deck Area (sf) 9576  
 32: Appr Roadway Width (ft) 52.0  
 51: Road Width, Curb-Curb (ft) 52.0  
 50A: Curb/SW Width: Left (ft) 5.7  
 50A: Curb/SW Width: Right (ft) 2.2  
 34: Skew (deg) 28  
 33: Bridge Median 0 - No median  
 54B: Min Vert Underclearance (ft) 21.67  
 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 1960 / 0000  
 42A: Service On 5 - Highway-pedestrian  
 42B: Service Under 2 - Railroad  
 28A: Lanes on 04  
 28B: Lanes Under 00  
 19: Bypass Length 1  
 29: ADT 3652  
 109: % Trucks (%) 7

**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

**Inspections**

90: Routine Insp. 12 Months 12/14/2022  
 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  
**Inspection Date:** 12/14/2022

**Structure Number:** 1801953  
**Facility Carried:** SR 14DA

**Bridge Inspection Report**

63: Analysis Method      6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

**Inspector:** Persanyi,Andrea  
**Inspection Date:** 12/14/2022

**Structure Number:** 1801953  
**Facility Carried:** SR 14DA

**Bridge Inspection Report**

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12-Reinforced Concrete Deck</b>	3 - Mod.	9580	sq. ft.	600	7500	1005	475
	CS2- Transverse cracks. CS3- Many mottled areas with stalactites, spalls, delams, full depth repair near forward abutment. Spalls, delams & efflorescence on rear counter weights. CS4- Spalled areas with 4+ consecutive bars of exposed rebar with section loss.						
<b>510-Wearing Surfaces</b>		7904	sq. ft.	6914	790	200	0
	CS2- Cracks, map cracking. Hardened concrete stuck to surface of lane 2. CS3- Wide longitudinal cracks.						
<b>107-Steel Open Girder/Beam</b>	3 - Mod.	1278	ft.	255	959	64	0
	CS2- Surface rust. CS3- Rusting section loss near beam ends & along lower flanges. 6" channel welded to beams 8 & 9 at flare out.						
<b>515-Steel Protective Coating</b>		12632	sq. ft.	640	10142	1500	350
	CS2- Peeling paint. CS3- Surface rust. CS4- Isolated areas of paint failure. Note: beam ends painted 10/12.						
<b>210-Reinforced Concrete Pier Wall</b>	3 - Mod.	30	ft.	21	3	6	0
	CS2- Cracks, some leaching. CS3- 20 sf of shallow spalls to rear face of pier wall.						
<b>215-Reinforced Concrete Abutment</b>	3 - Mod.	143	ft.	115	21	7	0
	CS2- Vertical cracks. Rust stains. Concrete patches. CS3- Delams at rear. Spall below rear rocker 6.						
<b>234-Reinforced Concrete Pier Cap</b>	3 - Mod.	66	ft.	52	14	0	0
	CS2- A few vertical cracks in cantilevers. Delam with rust stains below bay 3.						
<b>303-Assembly Joint with Seal</b>	3 - Mod.	126	ft.	0	121	2	3
	CS2- Minor gouges in rear armor. Dirt & debris in seals. CS3- Seal damaged in spots. CS4- Rusting thru holes in sidewalk cover plates at forward-left & rear-right.						
<b>311-Movable Bearing</b>	3 - Mod.	18	each	10	8	0	0
	CS2- Surface rust.						
<b>313-Fixed Bearing</b>	3 - Mod.	8	each	0	8	0	0
	CS2- Surface rust to pier bolsters.						

**Inspector:** Persanyi,Andrea  
**Inspection Date:** 12/14/2022

**Structure Number:** 1801953  
**Facility Carried:** SR 14DA

**Bridge Inspection Report**

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>321-Reinforced Concrete Approach Slab</b>	3 - Mod.	2600	sq. ft.	2314	260	26	0
CS2- Cracks, some full length (wide 1/8" near both exjts). CS3- Area of breaking up concrete with asphalt patch at forward-right. Spall at rear-right.							
<b>331-Reinforced Concrete Bridge Railing</b>	3 - Mod.	304	ft.	271	30	3	0
CS2- Minor spalls. CS3- 4 sf delam on left rail. Other delams. NOTE: Many holes in fence fabric.							
<b>815-Drainage</b>	3 - Mod.	2	each	2	0	0	0
<b>830-Abutment Backwall</b>	3 - Mod.	143	ft.	99	36	8	0
CS2- Diagonal cracks at both ends of forward backwall & at right end of rear backwall. Other cracks. CS3- 4 sf spall at right end of forward backwall. Other spalls.							

Inspector: Persanyi,Andrea  
Inspection Date: 12/14/2022

Structure Number: 1801953  
Facility Carried: SR 14DA

**Bridge Inspection Report**

**CUY-0014D-0015\_(1801953)**

ODOT District: District 12

Major Maint: 01 - State Highway Agency

Routine Maint: 04 - City or Municipal Highway

FIPS Code: 16000 - CLEVELAND (CUY county)

Facility Carried: SR 14DA

Feature Inters: NSC RR @ EAST 93RD ST.

Inspector Persanyi,Andrea

Location: DISTRICT 12

Inspection Date 12/14/2022

Traffic On: 5 - Highway-pedestrian

Traffic Under: 2 - Railroad

APPROX .5MI S HARVARD BLV

Reviewer Seif,Youssef

Date Built: 07/01/1960

Rehab Date:

Insp. 01 - State Highway Agency

Resp A:

Insp

Resp B:

**Inspector Comments - Deck and Approach**

**Deck**

**Curbs/Sidewalk (LF)**

Cracks. Concrete patches.

**Approach**

**Approach Wearing Surface (EA)**

Cracks. Asphalt patches. Rutting asphalt.

**Approach Embankment (EA)**

Settlement to some approach walks.

**Approach Guardrail (EA)**

Collision damage at forward-left.

**Signs (EA)**

No bridge end markers.

**Inspector Comments - General Appraisal**

**Superstructure**

**Diaphragm/X-Frames (EA)**

Surface rust. Some rusted section loss to endframes.

**Substructure**

**Wingwalls (EA)**

Many leaching cracks & some concrete deterioration to forward-right. Forward-left retaining wall is badly deteriorated with cap stones undermined approximately 50' east of bridge.

**Culvert**

**Inspector:** Persanyi, Andrea  
**Inspection Date:** 12/14/2022

**Structure Number:** 1801953  
**Facility Carried:** SR 14DA

**Bridge Inspection Report**

**Inspector Comments - Waterway**

**Waterway Adequacy**

**Channel**

**Scour Critical**