

STATE OF OHIO
BRIDGE INSPECTION REPORT

Structure File Number: 1808346

Inventory Bridge Number: CUY-00090-2069_(1808346)

IR90 OVER E.72ND over SR-283 DA (0014) E. 72 S

Inspection Type: Routine

Inspection Date: 04/01/2020

District: 12

County: 18 - Cuyahoga

Place Code (FIPS): 16000

Bridge Type:

3 - Steel

02 - Stringer/Multi-beam or Girder

N- Not Applicable

Type of Service:

1 - Highway

Maintenance Responsibility:

01 - State Highway Agency

Inspection Responsibility:

01 - State Highway Agency

Routine Maintenance Responsibility:

01 - State Highway Agency

Lead Inspector: Persanyi, Andre
a

Reviewed by: Youssef Seif

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Inspector: Andrea Persanyi
Inspection Date: 04/01/2020

Structure Number: 1808346
Facility Carried: IR90 OVER E.72ND

Bridge Inspection Report

Location Map

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Bridge Inspection Report

Executive Summary

ODOT District: 12

CUY-00090-2069_(1808346)

Date Built: 07/01/1951

Major Maint: 01 - State Highway Agency

Facility Carried: IR90 OVER E.72ND

Traffic On: 1 - Highway

Rehab Date: 08/02/2005

Routine Maint: 01 - State Highway Agency

Feature Inters: SR-283 DA (0014) E. 72 S

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

Insp. 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: CUY

SR283DA AND IR90 JCT

Resp A:

Insp

Resp B:

National Bridge Inventory

Status 2 - FO Sufficiency Rating 81.0

Identification		Inspections	
(1) State Code	395 - Ohio	(90) Inspection Date	04/01/2020
(8) Structure File Number (SFN)	1808346	(91) Designated Inspection Frequency	12
(7) Facility Carried	IR90 OVER E.72ND	(92) Critical Feature Inspection	(93) CFI Date
(208) Route on the Bridge	10 - State (ODOT) (Toll Free)	A. Fracture Critical Detail	N
(2) Highway Agency District	12	B. Underwater Inspection	N
(3) County Code	18 - Cuyahoga	C. Other Special Inspection	N
(209) Interstate Mile Marker	176.5	D.01 Snooper Inspection	N
(201) Special Designation		E.01 Drone Inspection	
(4) Place Code (FIPS)	16000 - CLEVELAND (CUY county)	Condition	
(5) Inventory Route		(58) Deck	7 - Good Condition (some minor problems)
(A) Record Type On/Under Always "On"	1: Route carried "on" the structure	(58.01) Wearing Surface	7 - Good (1% distress, minor rutting)
(B) Route Signing Prefix (Highway System)	1 - INTERSTATE HIGHWAY	(58.02) Expansion Joint	N- Not Applicable
(C) Designated Level of Service (Highway Designation)	1 - MAINLINE	(59) Superstructure	6 - Satisfactory Condition (minor deterioration)
(D) Route Number	00090	(59.01) Protective Coating System (PCS)	6 - Satisfactory (5-10% surface area rust)
(E) Directional Suffix	0 - NOT APPLICABLE	(60) Substructure	7 - Good Condition (some minor problems)
(6) Features Intersected	SR-283 DA (0014) E. 72 S	(61) Channel & Channel Protection	N - Not Applicable
(9) Location	SR283DA AND IR90 JCT	(61.01) Scour	N - Not Applicable
(11) Milepoint	20.690	(62) Culvert	N - Not Applicable
(12) Base Highway Network	Inventory Route is on the Base Network	(67.01) General Appraisal	6 - Satisfactory Condition (minor deterioration)
(13A) LRS Inventory Route	90		
(13B) Subroute Number	0		
(16) Latitude	41.53865 Degrees		
(17) Longitude	-81.63845 Degrees		
(16.01) Latitude - Ohio	41.53865		
(17.01) Longitude - Ohio	-81.638447		
(98A) Border Bridge State Code			
(98B) Border Bridge State Percent Responsibility			
(99) Border Bridge Struct No.			

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Insp. Resp A: 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: CUY

SR283DA AND IR90 JCT

Insp Resp B:

Structure Type and Material

Load Rating and Posting

- (43) Main Structure Type
 - A. 3 - Steel
 - B. 02 - Stringer/Multi-beam or Girder
 - C. N- Not Applicable

- (31) Design Load 5 - HS 20
- (63) Operating Rating Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.
- (64) Operating Rating Factor 1.3

- (44) Approach Type
 - A. 0 - Other
 - B. 00 - Other
 - C. N- Not Applicable

- (65) Inventory Rating Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.
- (66) Inventory Rating Factor 1

(45) Number of Spans in Main Unit 1

(41) Structure Open, Posted, or Closed to Traffic A - Open

(46) Number of Approach Spans 0

(70) Bridge Posting 5 - Equal to or above legal loads

(107) Deck Structure Type 1 - Concrete Cast-in-Place

(70.01) Date Posted

(107.01)

(70.02) Posted Sign Type

(108B) External Deck Protection 1 - Built-up

(70.03) Posted Weight

(108C) Internal Deck Protection N - NA

(422) Wearing Surface Date 08/02/2005

(108A) Wearing Surface Type 4 - Low Slump Concrete

Appraisal

(108A.01) N- Not Applicable

(67) Structural Evaluation 6 - Equal to present minimum criteria

(423) Wearing Surface Thickness 2.0 in

(68) Deck Geometry 9 - Superior to present desirable criteria

(483) Protective Coating System Date 01/01/1993

(69) Underclearances, Horizontal and Vertical 3 - Intolerable - high priority of corrective action

Age of Service

(27) Year Built 1951

(71) Waterway Adequacy N - Not Applicable

(263) Date Built 07/01/1951

(72) Approach Roadway Alignment 8 - Equal to present desirable criteria

(106) Year Reconstructed 2005

(36) Traffic Safety Feature

(264) Major Reconstruction Date 08/02/2005

(42) Type of Service

On 1 - Highway

A. Bridge Railings: 1 - Meets acceptable standards

B. Transitions: 1 - Meets acceptable standards

C. Approach Guardrail 1 - Meets acceptable standards

D. Approach Guardrail Ends 1 - Meets acceptable standards

Under 1 - Highway, with or w/out pedestrian

(28) Lanes On 08 Under 04

(113) Scour Critical N - Not over waterway

(29) Average Daily Traffic 118899

(30) Year of Average Daily Traffic 2015

(109) Average Daily Truck Traffic Percentage 4

(19) Bypass Detour Length 2

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Insp. Resp A: 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: CUY

SR283DA AND IR90 JCT

Insp Resp B:

Classification	Geometric Data
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(112) NBIS Bridge	Yes	(48) Longest Span	100.0 Ft.
(104) Highway System of the Inventory Route	1 - Structure/Route is on NHS	(49) Structure Length	106.0 Ft.
(26) Functional Classification of Inventory Route	11 - Urban - Principal Arterial - Interstate	(50A) Curb/Sidewalk Left Side - Width	0 Ft.
		(50B) Curb/Sidewalk Right Side - Width	0 Ft.
(100) Strahnet Highway Designation	Is on an Interstate STRAHNET route	(51) Brdg Roadway Width Curb-to-Curb	132.4 Ft.
(101) Parallel Structure Designation	N - No parallel structure	(52) Deck Width, Out-to-Out	135.4 Ft.
(102) Direction of Traffic	2-way traffic	(32) Approach Roadway Width	132.0 Ft.
(103) Temporary Structure Design		(33) Bridge Median	3 - Closed median with non-mountable barriers
(105) Federal Lands Highways	Not Applicable	(34) Skew	36 Deg.
(110) Designated National Network	Inventory route on National Truck Network	(35) Structure Flared	0 - No flare
(20) Toll	3 - On Free Road	(10) Practical Maximum Vertical Clearance	99 Ft.
(225) Routine Maintenance Responsibility	A. 01 - State Highway Agency	(53) Minimum Vertical Clearance Over Bridge Roadway	99 Ft.
	B.	(47) Total Horizontal Clearance (Inventory Route)	66.3 Ft.
(21) Maintenance Responsibility	01 - State Highway Agency	(54) Minimum Vertical Under Clearance	B. 14.3 Ft.
(21B) Major Maint. Responsibility B			A. H - Highway beneath structure
(221) Inspection Program Responsibility	A. 01 - State Highway Agency	(56) Minimum Lateral Under Clearance on Left	5 Ft.
	B.	(55) Minimum Lateral Under Clearance on Right	B. 5 Ft.
(22) Owner	01 - State Highway Agency		A. H - Highway beneath structure
(37) Historical Significance	5 - Not eligible		

Navigation Data	Proposed Improvements
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(38) Navigation Control	N - Not applicable, no waterway	(75) Type of Work	
(39) Nav Vert Clearance	0.0 Ft.	A.	
(40) Nav Horizontal Clearance	0.0 Ft.	B.	
(111) Pier or Abutment Protection		(76) Length of Structure Improvement (FT)	
(116) Minimum Navigation Vertical Clearance, Vertical Lift Bridge	0.0 Ft.	(94) Bridge Improvement Cost	\$ 0
		(95) Roadway Improvement Cost	\$ 0
		(96) Total Project Cost	\$ 0
		(97) Year of Improvement Cost Estimate	
		(114) Future Average Daily Traffic	165032
(115) Year of Future Average Daily Traffic	2038		

Ohio Bridge Inventory

General

(203) Bridge Name (Dedicated Name)	
(204) Ohio Designated MPO	08 - NOACA (Cleveland)
(205) Route Number Extension	
(206) Inventory Preferred Route	NP - Non Preferred Route
(5.01) Priority System Code (Inventory Route)	
(213) NLF_ID Inventory Route	SCUYIR00090**C
(218) Major Bridge	N - No
(220) Inventory Location	CUY
(226) Seismic Susceptibility	N - not applicable
(227) GASB	Y - Yes
(236) Future Traffic Factor	1.388
(245) Aperture Cards Fabrication	2 - No
(246) Aperture Cards Original	1 - Yes
(247) Aperture Cards Repair	2 - No
(248) Original Construction Project Number	050050
(251) Standard Drawing Number	
(252) Microfilm Reel Number	CUY054
(261) Bridge Remarks	

CUY-00090-20690-

(265) Electric Line Present	Y - Bridge carries this utility
(266) Gas Line Present	U - Unknown
(269) Sanitary Sewer Present	U - Unknown
(306) NBIS Bridge Length	106
(207) Route Under the Bridge	

Inventory Route Clearances

<u>Inventory Route</u>	<u>Cardinal</u>	<u>Non-Cardinal</u>	
(336) Minimum Vertical Clearance	99	0	ft.
(335) Minimum Horizontal Clearance	66.333	66.333	ft.

Load Rating

(717) 2F1 Operating Rating Factor (GVW 15 T)	
(720) 3F1 Operating Rating Factor (GVW 23 T)	
(723.01) 4F1 Operating Factor (GVW 27 T)	
(726.01) 5C1 Operating Rating Factor (GVW 40 T)	
(723.02) SU4 Operating Rating Factor (GVW 27 T)	
(726.02) SU5 Operating Rating Factor (GVW 31 T)	
(732.01) SU6 Operating Rating Factor (GVW 34.75 T)	
(732.02) SU7 Operating Rating Factor (GVW 38.75 T)	
(735) EV2 Operating Rating Factor (GVW 28.75 T)	
(738) EV3 Operating Rating Factor (GVW 43 T)	
(734) Ohio Percent Legal	150
(705) Load Rater First Name	
(706) Load Rater Last Name	
(707) Load Rater PE Number	0
(704) Load Rating Date	07/01/1973
(708) Load Rating Software	1 - BARS
(709) Rating Source	1 - Plan information available for load rating analysis (Default)

Inspection Access

(92.02) Snooper Inspection Traffic Control	
(92.03) Snooper Inspection Est. Crew Hours	
(459) Inspection Access	N - The bridge does not include this feature

Deck & Approach

(224) Temporary Subdecking	N - No		
(404) Approach Slab Type	1 - Reinforced Concrete		
(405) Approach Slab Length	0		
	1	2	3
(406) Bridge Median Type	2 - Raised Median	1 - Steel Barrier (Rail)	1 - Open Joint
(407) Bridge Railing Type	1 - Reinforced Concrete Parapet		
(408) Composite Deck Code	N - Non-composite Construction		
(419) Expansion Joint with Trough Retrofit 2			
(421) Joint Trough (Y/N)			
(431) Fence	N - The bridge does not include this feature		
(432) Fence Height on Bridge	0		
(433) Glare Screen	N - The bridge does not include this feature		
(434) Noise Barrier Walls	N - The bridge does not have Noise Barrier Walls		
(424) Deck Area	14354.2		
(427) Left Sidewalk/Curb Material	N - None		
(428) Left Sidewalk/Curb Type	N - None or N/A (RR, Pedestrian, etc.)		
(429) Right Sidewalk/Curb Material	N - None		
(430) Right Sidewalk/Curb Type	N - None or N/A (RR, Pedestrian, etc.)		

Substructure

(526) Abutment Forward Type	3 - Solid Wall
(527) Abutment Forward Material Type	2 - Concrete
(528) Abutment Forward - Foundation Type	2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
(531) Abutment Rear Type	3 - Solid Wall
(532) Abutment Rear Material Type	2 - Concrete
(533) Abutment Rear - Foundation Type	2 - Cast-in-Place reinforced Concrete Piles (Other diameter)
(534) Pier 1 (Predominate) Type	N - None
(535) Pier 1 (Predominate) Material	N - None
(536) Pier 1 Type - Foundation Type	N - None (Such as most Culverts)
(537) Pier 2 Type	N - None
(538) Pier 2 Material	N - None
(539) Pier 2 Type - Foundation Type	N - None (Such as most Culverts)
(547) Slope Protection Type	N - None

Superstructure

(711) Live Load Response	S - Satisfactory	
(468) Hinges/Pins/Hangers Type	N - Not Applicable (structures with no hinges)	
(409) Deck Drainage Type	0 - Other (Natural-off the bridge ends)	
(411) Deck Concrete Type	U - Unknown	
	A	B
	C	
(414) Expansion Joint Type	N - None	N - None
		N - None
(301) Horizontal Curve Degree	2	
(453) Bearing Device 1, Type	2 - Rockers & Bolsters	
(455) Bearing Device 2, Type	N - None	
(465) Framing Type	N - None or Not Applicable	
(466) Haunched Girder	N - Bridge does not contain a haunched girder	
(467) Haunched Girder Depth	0	
(474) Main Structure System	N - Not Applicable (i.e. Culvert, Beam, Slab, etc.)	
(475) Main Member Type	2 - Riveted Built-Up Steel	
(482) Protective Coating System Type	5 - Paint System OZEU	
(487) Structural Member Steel Type	U - Unknown	
(498) Protective Coating System Surface Area	0	
(499) Structural Steel Paint	2 - Field	
(478) Post Tensioned Main Member Code	N - Bridge is not Post Tensioned	

Culvert and Waterway

(575) Culvert Type	N - Not a Culvert or Rigid Frame	
(578) Culvert Length Inlet_to_Outlet	0	
(580) Fill Depth Over Culvert	0	
(651) Scenic River	N - Waterway is not classified as Scenic River	
(587) Rise		
(588) Shape		
(655) Channel Protection Type	X - Not Applicable	
(663) Stream Velocity	0.0	
(672) pH		

Inspector: Andrea Persanyi
 Inspection Date: 04/01/2020

Structure Number: 1808346
 Facility Carried: IR90 OVER E.72ND

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	14355	sq. ft.	13489	722	144	0
510 - Wearing Surfaces		14037	sq. ft.	13897	140	0	0
107 - Steel Open Girder/Beam	3 - Mod.	2300	ft.	1605	575	115	5
515 - Steel Protective Coating		30300	sq. ft.	0	28785	1515	0
215 - Reinforced Concrete Abutment	3 - Mod.	335	ft.	284	34	17	0
311 - Movable Bearing	3 - Mod.	46	each	46	0	0	0
321 - Reinforced Concrete Approach Slab	3 - Mod.	3960	sq. ft.	3762	198	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	212	ft.	191	21	0	0
815 - Drainage	3 - Mod.	4	each	4	0	0	0

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Feature Inters: SR-283 DA (0014) E. 72 S

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

Insp: 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: CUY

SR283DA AND IR90 JCT

Resp A:

Insp

Resp B:

Under Records

Under Record 1

Identification

(1) State Code	395	(6) Features Crossed	I-90 (CUY-90-2069)
(11.01) Milepoint		(7) Facility Carried	IR90 OVER E.72ND
(201) Special Designation		(8) Structure No.	1808346
(5A) Roadway On/Under	2	(12) Base Highway Network	1
(5B) Route Type	3	(13A) LRS Inventory Route	
(5C) Level of Service	2	(13B) Subroute Number	
(5D) Route Number	0283D	(213) NLF_ID Under Route	SCUYSR00283*DC
(5E) Directional Suffix		(206) Preferred Under Route	

Age of Service

(19) Bypass Detour Length		(42A) Type of Service On Bridge	1
(29) Est Average Daily Traffic	3361	(42B) Type of Service Under Bridge	1
(30) Year of Average Daily Traffic	2015	(381) Intersected Route Daily Truck Traffic	155
		(109) Average Daily Truck Traffic	22

Geometric Data

(10) Min Vert Clearance	15.19	(48) Longest Span	100
(47) Total Horizontal Clearance	50	(49) Structure Length	106
	<u>CARDINAL</u>		<u>NON-CARDINAL</u>
(336A) Minimum Vertical Clearance	15.19	(336B) Minimum Vertical Clearance	14.3
(335A) Minimum Horizontal Clearance	50	(335B) Minimum Horizontal Clearance	50

Classification

(20) Toll		(102) Direction of Traffic	2
(26) Functional Classification	16	(103) Temp Structure	
(209) Interstate Mile Marker		(104) Highway System of the Under Route	0
(100) STRAHNET Highway	0	(110) Designated National Network	0
(101) Parallel Highway	N		

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Bridge Inspection Report

Channel Measurement

Date of Channel Measurements:
Distance Measured From:
Depth Measured From:
Number of Measurement Points Taken:

Number of Fixed Objects in Channel:
Water Level:
High Water Mark:
Measurement Type:



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Bridge Inspection Report

Pictures

Inspector: Andrea Persanyi
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Bridge Inspection Report

Sketches

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pedestrian

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Summary Recommendations

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SR283DA AND IR90 JCT

Resp A:

Insp
Resp B:

Inspector Comments

Deck Summary

Floor/Slab (SF)

A few leaching cracks. Two small spalls in bay 5 near forward abutment. Areas of shallow haunch spalls over west sidewalk.

Edge of Floor/Slab (LF)

A few cracks.

Bridge Wearing Surface (SF)

Minor scaling of EB wearing surface along right rail. Light map cracks.

Bridge Median (LF)

Collision scrapes.

Bridge Railing (LF)

Minor spall to top of right rail. Minor cracks, collision scrapes, area of peeling sealer to top of left rail.

Deck Drainage (EA)

Some dirt & debris in WB left berm.

Superstructure Summary

Beams/Girders (LF)

Areas of surface rust & rusted section loss. Scrapes & gouges in lower flanges of beam 20-23 over NB & SB lanes. Rusted thru holes as large as 3" in web of left fascia above lower flange at rear abutment and at center span. Damage stiffener to exterior of left fascia at forward abutment. Note: 6"x 6" plates welded to webs and flanges where some xframes are attached.

Diaphragm/X-Frames (EA)

Surface rust, rusted section loss, areas of bent angles over SB lane 2 near scraped lower flanges. Broken angle weld in bay 7 over SB lane 2.

Protective Coating System (LF)

Areas of surface rust throughout. Surface dulling. Minor peeling.

Utilities (LF)

Areas of misaligned and missing conduit with exposed wires in bay 2.

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Resp B:

Substructure Summary

Abutment Walls (LF)

Delam and leaching crack below left fascia and delam below beam 22 at forward abutment. Spall at center line of both abutments. Other cracks, rust stains.

Wingwalls (EA)

Cracks.

Channel Summary

Culvert Summary

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Insp
Resp B:

Waterway Adequacy Summary

Approach Roadway Alignment Summary

Approach Wearing Surface (EA)

A few cracks and areas of breaking up mainly along edges of slabs.

Approach Slab (SF)

Cracks.

Approach Relief Joint (LF)

Paved over.

Approach Guardrail (EA)

4 SF spall to outside base of forward-right concrete approach parapet. Collision scrapes at rear-right Note: spalled areas to rear and forward approach median.

Signs (EA)

Note: non-cardinal vertical clearance is <14'-6". Warning sign is posted. Collision damage to B.E.M. in median EB. No B.E.M. on the median wall WB

Scour Critical Summary

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SR283DA AND IR90 JCT

Insp

Resp B:

Governing Members

Historic Bridge Data

Status

(8) Structure File Number (SFN)	1808346	(37) Historical Significance Code	5 - Not eligible
(826) NR Recommendation		(837) Historical District	
(840) Historical National Register Listed		(834) Reviewed By	
(850) In Management Plan (2009)	N- No		

Identification

(825) Historical Bridge Name		(7) Facility Carried	IR90 OVER E.72ND
(22) Owner	01 - State Highway Agency	(6) Feature Intersected	SR-283 DA (0014) E. 72 S
(4) Place Code (FIPS)	16000 - CLEVELAND (CUY county)	(5) Inventory Route	
(3) County (Parish) Code	18 - Cuyahoga	(B) Route Signing Prefix	1 - INTERSTATE HIGHWAY
(2) Highway Agency District	12	(D) Route Number	00090
(9) Location	SR283DA AND IR90 JCT	(16) Latitude at Rear Abutment	41.53865 degrees
(883) UTM		(17) Longitude at Rear Abutment	-81.63845 degrees

Structural Information

(43) Main Structure Type	3 - Steel	02 - Stringer/ Multi-beam or Girder	N- Not Applicable	(827) Historical Year Built	1951
(828) Historical Bridge Type				(836) Historical Data Source	014 - ODOT
(49) Structure Length	106.0	ft		(831) Historical Builder	192
(45) No. of Main Spans	1			(842) Historical Bridge Designer	126
(407) Bridge Railing Type	1 - Reinforced Concrete Parapet			(106) Year Reconstructed	2005
				(829) Previous Inventory Date	2004

Classification of Service

(26) Functional Class of Inventory Route	11 - Urban - Principal Arterial - Interstate	(29) Average Daily Traffic (ADT)	118899
(104) Highway System of the Inventory Route	1 - Structure/Route is on NHS	(30) Year of ADT	2015
(71) Waterway Adequacy	N - Not Applicable	(109.01) Avg. Daily Truck Traffic (ADTT)	4756
		(102) Direction of Traffic	2-way traffic

Historical Significance

(843) Historical Setting/Context

(844) Historical Physical Description

No photographs are available.

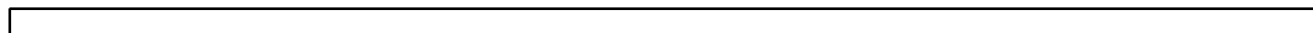
(845) Historical Integrity

(846) Historical Significant Description

The bridge was built in 1951 as part of one of Cleveland's expressways (Memorial Shoreway) that was later incorporated into the Interstate system. The bridge is not historically distinguished by its technology or setting/context.

(847) Historical Bridge Remarks

(860) Justification



Capacity

(51) Bridge Rdwy Width Curb-Curb	132.4	ft	(66) Inventory Rating Load	1	
(873) Bridge Rdwy Width Required		ft	(64) Operating Rating Load	1.3	
(872) Bridge Rdwy Width Adequare	Y		(878) Inventory Rating Load - Required		
(32) Approach Rdwy Width	132.0	ft	(877) Inventory Rating Load - Adequate	Y	
(841) Bridge Wider	Y		(28) Lanes On	08	
(52) Deck Width Out-Out	135.4	ft	(880) Lanes On - Required		ft
(50A) Curb/Sidewalk Left Side - Width	0	ft	(879) Lanes On - Adequate	Y- Yes	
(50B) Curb/Sidewalk Right Side - Width	0	ft	(876) Geometry Adequate		
(10) Minimum Vertical Clearance On, Cardinal	99	ft	(871) Alignment/Sight Distance Adeqaute		

(874) Conformance Comments

(882) Structural Deficiency Summary

(875) Crash Data

Historic Bridge Management Plan

(853) Historical Management Summary

Preservation Potential

(861) Prudent and Feasible to Leave Bridge in Place

(862) Preservation Potential

(863) Preservation Summary

(864) No Build Alternative Consideration

(881) Rehab Without Adverse Effect

(865) Historic Bypass Information

(866) Other Preservation Options

(867) Preservation Recommendation

(868) Comment Recommendation

(869) Comment Date

(870) Plan Comment

