



STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

USR 6 over (1499)CUY. RIVER & RTA

Inspection Type: Routine

Inspection Date: 12/23/2015

District: 12

County: CUYAHOGA

Place Code (FIPS): CLEVELAND

Bridge Type: STEEL

Type of Service: HIGHWAY-PEDESTRIAN

Owner: OHIO STATE TRANSPORTATION DEPARTMENT

Inspection Responsibility: OHIO STATE TRANSPORTATION
DEPARTMENT

Maintenance Responsibility: OHIO STATE TRANSPORTATION
DEPARTMENT

Lead Inspector: Vermes, William

Reviewed By: Vermes, William

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
LOCATION MAP**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

No photos have been uploaded for this report.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
GENERAL ELEVATION PHOTOS**

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District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

Unit of Measure: ENGLISH
 Structure File Number: 1800930
 Sufficiency Rating: 66.0

Bridge Inventory and Appraisal
 Inventory Bridge Number: CUY 00006 14.560 N
 1 (1499)CUY. RIVER & RTA

Report Date: 12/23/2015
 BR. TYPE: 3 - STEEL/5 - ARCH/4 - THRU
 Date of Last Inventory Update: 02/15/2016

(2) District: 12 (4) FIPS Code: 16000 - CLEVELAND (102) Direction of Traffic: 2 - 2-way traffic	(3) County: 18 - CUYAHOGA (216) Temporary:	(9) Location: DETROIT/SUPERIOR (208) Route On Bridge: 99 - Non highway traffic (110) Truck Network: 0 (42A) Type Serv (On): 5 - Highway-pedestrian	(7) Facility Carried: USR 6 (207) Route Under Bridge: 10 - State (ODOT) (Toll) (101) Parallel: N (42B) Type Serv (Under): 7 - Railroad - waterway		
Inventory Route Data		(45) Main Spans Number: 1 (46) Approach Spans Number: 12 (307) Total Spans: 0	Type: 3 - STEEL/5 - ARCH/4 - THRU Type: 1 - CONCRETE/5 - ARCH/3 - DECK (48) Max Span: 591 Ft (49) Overall Leng: 2656 Ft		
(5A) Route On/Under: 1 - Route carried "on" the (5D) Route No: 00006 (6) Feature Intersected: (1499)CUY. RIVER & RTA (3) County: CUY (200) Mileage: 14.560 (201) Special Desig: N (209)Mile Marker: (29) Avg. Daily Traffic (ADT): 15,930 (235) Truck Traf: 990 (210) Corridor: N (26) Functional Class: 14 - Urban - Other	(5B) Hwy Sys: 2 - U.S. Numbered Highway (5C) Des: 1 - Mainline (30) ADT Year: 2010 (104) NHS: 1- NHS BRIDGE (100) Strahnt: 0 - NOT STRAHNET	Substructure: Abut-Rear (532) Matl: 2 - Concrete Abut-Fwd (527) Matl: 2 - Concrete Pier-Pred (535) Matl: 2 - Concrete Pier-Other (538) Matl: N - None Pier-Other (541) Matl: N - None (545) Pier, Total Count: 12 (663) Stream Velocity: 5.6 fps (92B) Dive: Y Freq: 60 (93B) Date of Last Dive Insp: 07/14/2015	Foundation and Scour Information: (531) Type: 3 - Solid Wall (533) Fnd: 4 - Spread Footing (526) Type: 3 - Solid Wall (528) Fnd: 4 - Spread Footing (534) Type: B - Tower (536) Fnd: N - None (Such as most Culverts) (537) Type: N - None (539) Fnd: N - None (Such as most Culverts) (540) Type: N - None (542) Fnd: N - None (Such as most Culverts)		
Intersected Route Data		Clearance Under the Bridge			
(370A) Record Type: (370D) Route No: (373) Feature Intersected: (3) County: CUY (379) Avg. Daily Traffic (ADT): (381) Truck Traf: (375) Functional Class:	(370B) Hwy Sys: (370E) Dir: (370C) Des: (371) Mile Marker: (387) Special Desig: (380) ADT Year: (378) NHS: (386) Strahnt:	Min. Horiz Under Clear: (328) Prac Max Vrt Under Clear: Min. Vert Under Clear: Min Lat Under Clear:	(326) NC: 0 Ft 30 Ft (327) NC: 0 Ft (329) Right NC: 0 Ft (330) Left NC: 0 Ft (325) CARD: 0 Ft (54) CARD: R 30 Ft (55) Right CARD: R 99.99 Ft (56) Left CARD: 99.99 Ft		
Clearance On the Bridge		Load Rating Information			
Min. Hriz on Bridge: (53) Prac Max Vert On Brg: Min Vrt Clr On Brg: Min Latl Clr: (39) Vrt Clr Lft:	(335) NC: 0 Ft 14 Ft (336) NC: 0 Ft (338) Right NC: 1 Ft (340) Left NC: 1 Ft 99 Ft	(47) CARD: 72 Ft (10) CARD: 14 Ft (337) Right CARD: 1 Ft (339) Left CARD: 1 Ft	(31) Design Load: C - Other (includes railroad bridges w/track removed) (64) Opr Rat Fact: 1.310 (66) Inv Rat Fact: 0.790 (734) Ohio Percent Legal 135 (704) Year of Rating: 7/1/2012 (63) Analysis: 6 - Load Factor (LF) rating reported by RF using HS20 (708) Rate Soft: 5 - Finite Element (FE) Program (707) PE# 69991		
Structure Information		(71-72) Appraisal			
(19) Bypass Length: 2 Miles (16) Latitude: 41.491794 (20) Toll: 3 - On Free Road, the structure is toll (27) Date Built: 1917 (28A) No. Lanes On: 6 (301) Horiz Curve: (32) App. Rdw Width: 84 Ft (52) Deck Width: 85.167 Ft (406) Median Type: 2 - RAISED MEDIAN/1 - STEEL BARRIER (RAIL)/N - NO JOINT (33) Bridge median: 3 - Closed median with non-mountable barriers Sidewalks: Type Curb or Sidewalk: (425) Left Matl: 1 - Concrete (427) Right Matl: 1 - Concrete (412) Flared: Y (407) Railing: 5 - Reinforced Concrete Post and Concrete Panel (409) Deck Drainage: 3 - Scuppers and downspouts (107) Deck Type: 1 - Reinforced concrete Deck Protection: (108A) Wearing Surface: 2 - Integral Concrete (Monolithic) - Not an Overlay (420) Thickness: 1.0 in (547) Slope Protection: 0 - Other	(17) Longitude: -81.7061 (106) Major Rehabilitation: 1997 Major Reconstruction Date: 01/01/1997 (28B) No. Lanes Under: 0 (34) Skew: 0 Deg (51) Brg. Rdw Width: 72 Ft Deck Area: 226203.55 (50A) Left: 5 Ft (50B) Right: 5 Ft (426) Type: 2 - Sidewalk (greater than 2' in (428) Type: 2 - Sidewalk (greater than 2' in (408) Composite: Y - Composite Construction (40) Horiz Clear: 142 Ft (93C) Special Inspection Date: 01/07/2013 (93A) Special Inspection Date: 05/23/2014 (468) Hinges: 1 - Pins & Hangers (465) Framing: N - None or Not Applicable (407) Railing: 5 - Reinforced Concrete Post and Concrete Panel (482) Paint: 5 - Paint System OZEU	(71) Waterway Adequacy: 8 (72) Approach Alignment: 8 (67) Calc Str Appraisal: 5 - Somewhat better than (68) Calc Deck Geometry: 3 - Intolerable - high priority (69) Calc Underclearance: 9 - Superior to present			
Approach Information		General Information			
(401) Approach Guardrail: 0 - Other (403) Approach Pavement: 2 - Bituminous		(402) Grade: 1 - Good			
Culvert Information		(475) Main Member: 5 - Concrete Girder (414) Expansion Joint: 8 - ELASTOMERIC STRIP SEAL// (453) Bearing Devices: 8 - FIXED ARCH-RIB/3 - SLIDING (BRONZE// (38) Navigation: 1 - Yes Navigation control on (92C) Spec Insp: Y Freq: 6 (92A) Fracture Critical Insp: Y Freq: 24 (474) Long Member: B - Two or more Steel Arches (Riveted) (486) Structural Steel Memb: U - Unknown (203) Bridge Dedicated VET. MEMORIAL,DETROIT/SUPERIOR		(575) Culvert Type: N - Not a Culvert or Rigid Frame (580) Depth of Fill: 0 Ft (578) Length: 0 Ft (582) Headwalls: N - None or Not Applicable (Not a	

Unit of Measure: ENGLISH
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 Sufficiency Rating: 66.0

Bridge Inventory and Appraisal
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Report Date: 12/23/2015
 BR. TYPE: 3 - STEEL/5 - ARCH/4 - THRU
 Date of Last Inventory Update: 02/15/2016

General Information (Continued)		Original Plans Information	
(37) Hist Significance: 4 - Not determinable (112) NBIS: Yes (842) Hist/Designer: 097 - KING BRIDGE CO (827) Hist Build Year: 1917 (828) Hist Type: 361 - THREE HINGE (98A) Border Bridge (98B) Resp: (99) SFN:		(250) Fabricator: (249) Contractor: (248) Ohio Original Construction Project Number: (252) Microfilm Reel: (251) Standard Drawing: Aperture Cards: (246) Orig: N (247) Repair: Y (245) Fabr: Y (709) Rating Score: 1 - Plan information available for load rating analysis (Default)	
Proposed Improvements		Utilities	Special Features
(114) Future ADT (On Bridge): 22111 (115) Year of Future ADT: 2033		(265) Electric Line: Y (266) Gas Line: N (269) Sanitary Sewer: N (267) Telephone Line: Y (268) TV Cable: N (270) Water Line: N (271) Other Utilities: Y	(283) Lighting: Y (430) Fence: Y (432) Glare Screen: N (435) Splash Guard: N (459) Catwalk: Y (271) Other-Feat: Y (279) Signs on Bridge: Y (281) Signs Under Bridge: N (431) Fence Height: 6 Ft (433) Noise Barrier: N
Programming Info			
PID Number: PID Status: PID Date:			
Inspection Summary	Survey Items		
(58) Deck: 6 (59) Superstructure: 5 (60) Substructure: 5 (62) Culvert: N (61) Channel: 6 (c6) Approaches: 6 General Appraisal: 5 (41) Operational Status: A (90) Inspection Date: 12/23/2015 (91) Desig Insp Freq: 12 Months	(36A) Railings: 1 - Meets acceptable standards (36B) Transitions: N - NA/Safety feature not required (36C) Guardrail: 1 - Meets acceptable standards (36D) Rail Ends: 0 - Does not meet acceptable (92A) Fracture Critical: Y (113) Scour Critical: 8 - Bridge foundations determined to Inspection Review Date:		
SFNs Replacing this retired bridge: - SFNs That were replaced by this bridge: - This bridge was retired and copied to: The bridge was copied from:		Insp 1st: 1 - Ohio State Transportation Department 2nd: X - None 3rd: X - None (21) Major Maint 1st: 1 - Ohio State Transportation Department 2nd: X - None 3rd: X - None (225) Routine Maint 1st: 4 - City or other Local Agency 2nd: X - None 3rd: X - None	

STATE OF OHIO DEPARTMENT OF TRANSPORTATION IDENTIFICATION

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
 Sufficiency Rating: 66.0 Date Built: 7/1/1917
 District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

IDENTIFICATION

(1) State Code: 395 (8) Structure File Number (SFN): 1800930 (7) Facility Carried: USR 6 (2) Highway Agency District: 12 (3) County (Parish) Code: 18 (200) County Log Point (CL): 14.560 (201) Special Designation: N (4) Place Code (FIPS): 16000 (202) Bridge Inventory Status: 3 (203) Bridge Name (Dedicated): VET. MEMORIAL,DETROIT/SUPERIOR (204) Ohio Designated MPO: 08 (5) Inventory Route: (A) Record Type On/Under: 1 (B) Route Signing Prefix (Highway System): 2 (C) Designated Level of Service (Highway Design.): 1 (D) Route Number: 00006 (E) Directional Suffix: 0 (205) Route Number Extension: (206) Inventory Preferred Route: NP (6) Feature Intersected: (1499)CUY. RIVER & RTA (207) Route Under the Bridge: 99 (208) Route On the Bridge: 10 (209) Interstate Mile Marker: mile (210) Macro Level Corridor: N	(9) Location: DETROIT/SUPERIOR BRIDGE (11) Kilometerpoint: 23.427 (12) Base Highway Network: 1 (13A) LRS Inventory Route: 6 (13B) Subroute Number: 0 (42) Type of Service: On 5 Under 7 (28) Lanes: On 6 Under 0 (19) Bypass Detour Length: 2 miles (16) Latitude at Rear Abutment: 41.491794 degrees (17) Longitude at Rear Abutment: -81.7061 degrees (211) Latitude at Forward Abutment: degrees (212) Longitude at Forward Abutment: degrees (98A) Border Bridge State Code: (98B) Border Bridge State % (99) Border State Bridge Number: (213) NLF_ID Inventory Route: SCUJUS00006**C (214) Railroad Identification: 90 (215) AARDOT Number: (218) Major Bridge: Y (219) Temporary Barrier: (220) Inventory Location: CUY (222) Temporary Debris Net: (223) Temporary Shored: (224) Temporary Sub-Decking:
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CLASSIFICATION

(20) Toll Bridge: 3 (21) Major Maint. Responsibility: 1 X X (225) Routine Maint. Responsibility: 4 X X (22) Owner: 1 (26) Functional Class of Inventory Route: 14 (43) Main Structure Type: 3 5 4 (44) Approach Type: 1 5 3	(100) STRAHNET Highway Designation: 0 (101) Parallel Highway Designation: N (103) Temporary Structure Designation: (104) Highway System of the Inventory: 1 (105) Federal Lands Highway: 0 (110) Designated National Network: 0 (226) Seismic Susceptible: N (227) GASB: Y
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TRAFFIC

(29) Average Daily Traffic (ADT): 15930 (30) Year of ADT: 2010 (235) Avg. Daily Truck Traffic (ADTT): 990 (102) Direction of Traffic: 2	(236) Future Traffic Factor: 1.388 (114) Future Avg. Daily Traffic: 22111 (115) Year of Future Avg. Daily Traffic: 2033 (109) Average Daily Truck: 6
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BRIDGE WORK HISTORY

Date Built: 7/1/1917 (27) Year Built: 1917 (245) Aperture Cards Fabrication: Y (246) Aperture Cards Original: N (247) Aperture Cards Repair: Y (248) Original Construction Project #: (249) Name of Contractor: (250) Name of Fabricator: (251) Standard Drawing Number: (252) Microfilm Reel Number: (75) Type of Work: 36 1 (76) Length of Structure Improvement: 2800.00 (94) Bridge Improvement Cost: 5400 (261) Bridge Remarks: SPECIAL INSPECTION: MONITORING WEST APPROACH TOWER B SETTLEMENT.	(253) SFN REPLACING THIS RETIRED BRIDGE 1: (254) SFN REPLACING THIS RETIRED BRIDGE 2: (255) SFN(s) THAT WERE REPLACED BY THIS BRIDGE 1: (256) SFN(s) THAT WERE REPLACED BY THIS BRIDGE 2: (106) Year Reconstructed: 1997 Major Reconstruction Date: 01/01/1997 (257) Record Retiring Reason: (258) Bridge(s) Copied From: (259) Record Add Date: 1/1/1900 (260) Record Update Date: (262) Bridge(s) Copied To: (95) Roadway Improvement Cost: 430 (96) Total Project Cost: 5830 (97) Year Of Improvement Cost: 1990
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SIGNS & UTILITIES:

(265) Electric Line:	Y	(272) Total Length:	8000	ft.	(279) Signs on Bridge:	Y	
(266) Gas Line:	N	(273) Total Length:		ft.	(280) Signs Supports, Total		each
(267) Telephone Line:	Y	(274) Total Length:	4000	ft.	(281) Signs Under Bridge:	N	
(268) TV Cable Bridge:	N	(275) Total Length:		ft.	(282) Warning/Regulatory Signs		
(269) Sanitary Sewer:	N	(276) Total Length:	600	ft.	(283) Lighting:	Y	
(270) Water Line:	N	(277) Total Length:		ft.			
(271) Other Utilities:	Y	(278) Total Length:		ft.			

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
GEOMETRIC**

Structure File Number: 1800930

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GEOMETRIC DATA

(34) Skew:	0	deg.	(300) Skew Direction:	3
(35) Structure Flared:	1		(301) Horizontal Curve:	deg/min

SPAN DATA

(305) Total Span Length:		ft.	(45) No. of Main Spans:	1
(48) Longest Span:	591	ft.	(46) No. of Approach Spans:	12
(306) NBIS Bridge Length:	2656	ft.	(112) NBIS Bridge:	Y
(49) Structure Length:	2656	ft.		
(307) Total Number of Spans:	0			

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CLEARANCES**

Structure File Number: 1800930

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UNDER CLEARANCES

(325) Minimum Horizontal Clearance Under, Cardinal:	0	ft.
(326) Minimum Horizontal Clearance Under, Non-Cardinal:	0	ft.
(54) Minimum Vertical Clearance Under, Cardinal:	R 30	ft.
(327) Minimum Vertical Clearance Under, Non-Cardinal:	0	ft.
(328) Practical Maximum Vertical Clearance Under Bridge:	30	ft.
(55) Minimum Lateral Clearance Under Right, Cardinal:	R 99.99	ft.
(329) Minimum Lateral Clearance Under Right, Non-Cardinal:	0	ft.
(56) Minimum Lateral Clearance Under Left, Cardinal:	99.99	ft.
(330) Minimum Lateral Clearance Under Left, Non-Cardinal:	0	ft.

ON CLEARANCES

(47) Minimum Horizontal Clearance On, Cardinal:	72	ft.
(335) Minimum Horizontal Clearance On, Non-Cardinal:	0	ft.
(10) Minimum Vertical Clearance On, Cardinal:	14	ft.
(336) Minimum Vertical Clearance On, Non-Cardinal:	0	ft.
(53) Practical Maximum Vertical Clearance On Bridge:	14	ft.
(337) Minimum Lateral Clearance On Right, Cardinal:	1	ft.
(338) Minimum Lateral Clearance On Right, Non-Cardinal:	1	ft.
(339) Minimum Lateral Clearance On Left, Cardinal:	1	ft.
(340) Minimum Lateral Clearance On Left, Non-Cardinal:	1	ft.

RAMP CLEARANCES

(345) Ramp Lateral Clearance Left Under, Cardinal:	0	ft.
(346) Ramp Lateral Clearance Left Under, Non-Cardinal:	0	ft.
(347) Ramp Lateral Clearance Right Under, Cardinal:	0	ft.
(348) Ramp Lateral Clearance Right Under, Non-Cardinal:	0	ft.
(349) Ramp Roadway Width, Cardinal:	0	ft.
(350) Ramp Roadway Width, Non-Cardinal:	0	ft.
(351) Ramp Vertical Clearance Under, Cardinal:	0	ft.
(352) Ramp Vertical Clearance Under, Non-Cardinal:	0	ft.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
INTERSECTED ROUTES**

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STATE OF OHIO DEPARTMENT OF TRANSPORTATION

DECK

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DECK AND APPROACH

(36C) Approach Guardrail:	1	(107) Deck Structure Type:	1
(36D) Approach Guardrail Terminal:	0	(411) Deck Concrete Type:	3
(400) Approach Guardrail Length:	1	ft. (412) Deck Flared	Y
(401) Approach Guardrail Type:	0	(413) Embankment, Total Length:	4 ft.
(402) Approach Guardrail Grade:	1	(108B) External Deck Protection:	8
(403) Approach Pavement Wearing Surface Type:	2	(108C) Internal Deck Protection:	1
(72) Approach Roadway Alignment:	8	(414) Expansion Joint Type:	8
(32) Approach Rdwy Width:	84	ft. (415) Expansion Joints Total Length:	ft.
(404) Approach Slab Type:	3	(416) Joint Retro Fit Type, Joint 1:	N
(405) Approach Slab Length:	0	ft. (417) Expansion Joint W/Through Retrofit 1:	
(36B) Approach Guardrail Transitions:	N	(418) Joint Retro Fit Type, Joint 2:	N
(33) Bridge Median:	3	(419) Expansion Joint W/Through Retrofit 2:	
(406) Bridge Median Type:	2	1 N (420) Joint Retro Fit Type, Joint 3:	N
(36A) Bridge Railings:	1	(421) Expansion Joint W/Through Retrofit 3:	
(407) Bridge Railing Type:	5	(422) Wearing Surface Date:	11/15/1996
(51) Bridge Rdwy Width Curb-Curb:	72	ft. (108A) Wearing Surface Type:	2
(408) Composite Deck Code:	Y	(423) Wearing Surface Thickness:	1.0 in.
(409) Deck Drainage Type:	3	(424) Deck Area:	226203.55 sq ft.
(410) Deck Drainage Total Count:		(425) Other Feature:	N
(52) Deck Width Out-Out:	85.167	ft. (426) Bridge Railing Steel:	

CURB/SIDEWALK

(427) Curb/Sidewalk Left Side - Material:	1	(429) Curb/Sidewalk Right Side - Material:	1
(428) Curb/Sidewalk Left Side - Type:	2	(430) Curb/Sidewalk Right Side - Type:	2
(50A) Curb/Sidewalk Left Side - Width:	5	ft. (50B) Curb/Sidewalk Right Side - Width:	5 ft.

FENCING

(431) Fence:	Y	(434) Noise Barrier Walls:	N
(432) Fence Height on Bridge:	6	ft. (435) Noise Barrier Walls Type:	
(433) Glare Screen:	N	(436) Splash Guard:	N

STATE OF OHIO DEPARTMENT OF TRANSPORTATION SUPERSTRUCTURE

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SUPERSTRUCTURE

(450) Arch Columns or Hangers, Count:		(475) Main Member Type:	5
(451) Arch Length:	ft.	(476) Main Member Depth:	0 ft.
(452) Arch, Spandrel Walls Area:	sq ft	(477) Moment Plates Type:	N
(453) Bearing Device 1, Type:	8	(478) Post Tensioned Main Member Code:	N
(454) Bearing Device 1, Total Count:	each	(479) Post Tensioned Elem: Box Segment. Ext Count:	each
(455) Bearing Device 2, Type:	3	(480) Post Tensioned Elem: Box Segment. Int Count:	each
(456) Bearing Device 2, Total Count:	each	(481) Post Tensioned Elem: Ext Tendon Count:	each
(457) Bearing Device 3, Type:		(482) Protective Coating System Type:	5
(458) Bearing Device 3, Total Count:	each	(483) Protective Coating System Date:	07/15/1999
(459) Catwalk:	Y	(484) Protective Coating System Supplier:	
(460) Diaphragms, Cross Frames, Total Count:	each	(485) Spandrel Walls Total Length:	ft.
(461) End Blocks & End Dams, Total Count:	each	(486) Stringers Length:	ft.
(462) Floor Beams Size:		(487) Structural Member Steel Type:	U
(463) Floor Beams Total Length:	ft.	(488) Structural Steel Pay Weight:	0 lbs.
(464) Floor Beams, Maximum Spacing:	ft.	(489) Joists/Stringers Total Length:	ft.
(465) Framing Type:	N	(490) Diagonals Member Count:	0
(466) Haunched Girder:	N	(491) End Posts Member Count:	0 each
(467) Haunched Girder Depth:	0 ft.	(492) Lower Chord Member Count:	0 each
(468) Hinges/Pins/Hangers Type:	1	(493) Sway/Portal Bracing Member Count:	each
(469) Hinges/Pins/Hangers Total Count:	30 each	(494) Upper and Lower Lateral Bracing Member Count:	36 each
(470) Main Beam Lines Total Count:	each	(495) Upper Chords Member Count:	0 each
(471) Main Beam Size:		(496) Verticals Member Count:	0 each
(472) Main Beam Spacing:	ft.	(497) Gusset Plates, Total Count:	0 each
(473) Main Beam Total Length:	ft.	(498) Protective Coating System Surface Area:	0 sq ft.
(474) Main Structure System:	B	(499) Structural Steel Paint:	2

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SUBSTRUCTURE**

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SUBSTRUCTURE

(525) Abutment Columns or Bents, Total Count:		(539) Pier 2 Type - Foundation Type:	N
(526) Abutment Forward Type:	3	(540) Pier 3 Type:	N
(527) Abutment Forward Material Type:	2	(541) Pier 3 Material:	N
(528) Abutment Forward - Foundation Type:	4	(542) Pier 3 Type - Foundation Type:	N
(529) Abutment Foundation, Average Length:	0	(543) Pier Columns/Bents, Total Count:	
	ft.	(544) Pier Foundation, Average Length:	0
(530) Abutment Pile Load Testing:			ft.
(531) Abutment Rear Type:	3	(545) Pier, Total Count:	12
(532) Abutment Rear Material Type:	2	(546) Pile Log:	N
(533) Abutment Rear - Foundation Type:	4	(547) Slope Protection Type:	0
(534) Pier 1 (Predominate) Type:	B	(548) Wingwalls, Total Length:	
(535) Pier 1 (Predominate) Material:	2		ft.
(536) Pier 1 Type - Foundation Type:	N	(549) Protective Coating System-Major:	
(537) Pier 2 Type:	N	(550) Protective Coating System-Major Date:	
(538) Pier 2 Material:	N	(551) Protective Coating System-Minor:	
		(552) Protective Coating System-Minor Date:	

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CULVERT**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

CULVERT

(575) Bridge/Culvert Type:	N	(585) Number of Cells:	
(576) Culvert Headwall Area:		sq ft (586) Outlet End Treatment:	
(577) Culvert Headwalls or Endwalls, Length:		ft. (587) Rise:	in.
(578) Culvert Length Inlet_to_Outlet:	0	ft. (588) Shape:	
(579) Culvert Seams Total Count:		(589) Slope of Pipe:	%
(580) Fill Depth Over Culvert:	0	ft. (590) Wall Thickness:	in.
(581) Gage:		no. (591) Modification Type:	
(582) Headwalls or Endwalls Type:	N	(592) Modification Material Type:	
(583) Inlet End Treatment:		(593) Modification Size:	in.
(584) Material:		in. (594) Year Modified:	

EXTENSION - INLET

(600) Inlet Extension Length:	ft.	(604) Inlet Extension Year:	
(601) Inlet Extension Material Type:		(605) Inlet Rise:	in.
(602) Inlet Extension Shape:		(606) Inlet Gage:	no.
(603) Inlet Extension Span Length:	ft.	(607) Inlet Wall Thickness:	in.

EXTENSION - OUTLET

(610) Outlet Extension Length:	ft.	(614) Outlet Extension Year:	
(611) Outlet Extension Material Type:		(615) Outlet Rise:	in.
(612) Outlet Extension Shape:		(616) Outlet Gage:	no.
(613) Outlet Extension Span Length:	ft.	(617) Outlet Wall Thickness:	in.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
WATERWAY**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

NAVIGATION DATA

(38) Navigation Control:	1	(39) Navigation Vertical Clearance:	99	ft.
(650) Navigation Lights, Total Count:	6	(40) Navigation Horizontal Clearance:	142	ft.
(111) Pier Protection:	3	(116) Minimum Navigation Vertical Clearance, Vertical Lift Bridge:	0	ft.
(651) Scenic River:	N			

WATERWAY

(655) Channel Protection Type:	3	(113) Scour Critical Bridge:	8	
(656) Channel Protection, Total Length:		(661) Slope Protection, Total Length:		ft.
(657) Drainage Area:	813	(662) Hydraulic Opening Area:		sq ft
(658) Flow Volume:		(663) Stream Velocity:	5.6	fps
(659) Flow Year:		(664) Water Flow Direction:	L	
(660) Culvert Scour Length:		(71) Waterway Adequacy:	8	

HYDROLOGY/HYDRAULICS

(670) Abrasive Conditions:	(672) pH:
(671) Culvert Channel Protection (Inlet):	(673) Culvert Channel Protection (Outlet):

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
LOAD RATING**

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
 Sufficiency Rating: 66.0 Date Built: 7/1/1917
 District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

LOAD RATING			
(31) Design Load:	C - Other (includes railroad bridges w/track removed)	(703) Inventory Rating Load GVW:	tons
(63) Operating Rating Method:	6 - Load Factor (LF) rating reported by RF using HS20 loading	(704) Load Rating Date:	7/1/2012
(64) Operating Rating Factor:	1.310	(705) Load Rater First Name:	WESLEY
(700) Operating Rating Load:	2 - HS20 Loading	(706) Load Rater Last Name:	WEIR
(701) Operating Rating Load GVW:	tons	(707) Load Rater Ohio PE Number:	69991
(65) Inventory Rating Method:	6 - Load Factor (LF) rating reported by RF using HS20 loading	(708) Load Rating Software:	5 - Finite Element (FE) Program
(66) Inventory Rating Factor:	0.790	(709) Rating Source:	1 - Plan information available for load rating analysis (Default)
(702) Inventory Rating Load:	2 - HS20 Loading	(711) Live Load Response:	S - Satisfactory
(41) Open, Posted or Closed:	A - OPEN, NO RESTRICTION		

OHIO LEGAL LOADS			
(715) Ohio Legal Load 1:	2F1	(724) Ohio Legal Load 4:	
(716) Ohio Legal Load 1 GVW:	15.000 tons	(725) Ohio Legal Load 4 GVW:	40.000 tons
(717) Ohio Legal Load 1 Rating Factor:		(726) Ohio Legal Load 4 Rating Factor:	
(718) Ohio Legal Load 2:	3F1	(727) Ohio Legal Load 5:	
(719) Ohio Legal Load 2 GVW:	23.000 tons	(728) Ohio Legal Load 5 GVW:	tons
(720) Ohio Legal Load 2 Rating Factor:		(729) Ohio Legal Load 5 Rating Factor:	
(721) Ohio Legal Load 3:	4F1	(730) Ohio Legal Load 6:	
(722) Ohio Legal Load 3 GVW:	27.000 tons	(731) Ohio Legal Load 6 GVW:	
(723) Ohio Legal Load 3 Rating Factor:		(732) Ohio Legal Load 6 Rating Factor:	
(70) Bridge Posting:	5 - Equal to or above legal loads	(733) Posting Required by Rating:	
		(734) Ohio Percent Legal:	135 %

Governing Member(s)

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
COMPLEX**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

CABLE STAYED

(750) Anchorage/Saddle at Tower, Total Count:	each	(753) Delta Frames, Total Count:	each
(751) Back Span Anchorage, Total Count:	each	(754) Stay Cable, Total Count:	each
(752) Dampeners, Total Count:	each	(755) Wind Ties, Total Count:	each

MOVEABLE

(760) Auxiliary Engines, Total Count:	each	(769) Limit Switches, Total Count:	each
(761) Bearings, Total Count:	each	(770) Shafts, Total Count:	each
(762) Brackets, Total Count:	each	(771) Sockets, Total Count:	each
(763) Buffers, Total Count:	each	(772) Span Balance, Total Count:	each
(764) Center Locks, Total Count:	each	(773) Tail Locks, Total Count:	each
(765) Circuit Breakers, Total Count:	each	(774) Traffic Gages/Lights, Total Count:	each
(766) Electric Motors, Total Count:	each	(775) Transformers, Total Count:	each
(767) Gears, Total Count:	each	(776) Movable: Wire Ropes, Total Count:	each
(768) General Operation, Total Count:	each		

SUSPENSION

(780) Anchorage, Total Count:	each	(784) Suspender Connections, Total Count:	each
(781) Bent Posts, Total Count:	each	(785) Suspenders, Total Count:	each
(782) Cable Bands, Total Count:	each	(786) Tower Saddles, Total Count:	each
(783) Main Cables, Total Count:	each	(787) Towers, Total Length:	ft.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE HISTORY**

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
Sufficiency Rating: 66.0 Date Built: 7/1/1917
District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

HISTORICAL BRIDGE

(825) Historical Bridge Name:

(826) NR Recommendation: (827) Historical Year Built: 1917 (828) Historical Bridge Type: 361

(829) Previous Inventory/Date: 1980 (830) Historical Owner: (831) Historical Builder: 061

(832) Previous NR Status: Y (833) Score:

(834) Reviewed By:

(37) Historical Significance Code: 4

(835) Level of Significance Code: 2

(836) Historical Data Source: 014 (837) Historical District:

(838) Historical Review Date: 2/1/2008 (839) Historical Standard ODOT Design: N

(840) Historical National Register Listed:

(841) Historical Bridge/Designer: 097

(842) Historical Setting/Context:

When built in 1917-18, the double-deck bridge carried streetcars on its lower deck and pedestrian/automobile traffic on its upper deck. It was also a high-level bridge with 93'- clearance over the river, thus eliminating the delays associated with the p

(843) Historical Physical Description:

The double-deck Detroit-Superior High Level Bridge is a 591'-long, three-hinge, trussed, steel thru arch main span with reinforced-concrete open-spandrel arch approach spans ranging in length from 58' to 181'.

(844) Historical Integrity:

Widened in 1969 by adding a cantilevered deck section.

(845) Historical Significant Description:

The Detroit Superior High Level Bridge is NR listed (1974). It was rehabilitated in 1997 and 2005 without adverse effect. It is technologically significant for its three-hinge trussed steel thru arch, as well as its open-spandrel arch spans. It is als

(846) Historical Bridge Remarks:

Rehabilitation completed 1997. Plans to construct a bike/pedestrian path across the bridge and modify the intersection west of the structure. Conversion to two lane pedestrian bridge - TEA 21 (2002). Previous ODOT inventory form was not located. PID 242

MANAGEMENT PLAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE HISTORY**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

(850) In Management Plan (2009): N

(851) Historical Management Plan Substructure:

(852) Historical Management Plan Superstructure:

(853) Historical Management Summary:

PRESERVATION

(860) Justification:

(861) Prudent and Feasible to Leave Bridge in Place?:

(862) Preservation Potential:

(863) Preservation Summary:

(864) No Build Alternative Consideration:

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE HISTORY**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

(865) Historic Bypass Information:

(866) Other Preservation Options:

(867) Preservation Recommendation:

(868) Comment Recommendation:

(869) Comment Date:

(870) Plan Comment:

STATE OF OHIO DEPARTMENT OF TRANSPORTATION APPROACH INSPECTION

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

APPROACH

(c6) Approach Summary: 6

Recommended: 6

c1. Approach Wearing Surface (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
2	0	2			2.00

This bridge lacks conventional approach slabs so the asphalt area the width of the tunnels and extending 30' beyond the tunnel bulkhead was rated. Though the approach tunnels on the west end of the bridge diverge to the south, only the approach surfaces on the main route US 6 were considered in the rating of this item. These regions lie just west of the intersection with West 28th and east of the intersection with West Huron Road. Overall, these areas are in fair condition with some cracking and isolated patched areas.

c4. Embankment (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
4	3	0	1		2.50

The SE embankment has been shored at its interface with the parking lot below where some erosion has occurred. No settlement along the south wall of the East Station is present.

At the NE embankment, where the bridge shares the embankment with the old Superior Viaduct there are some sink holes possibly due to a faulty water or sewer line below. These sinkholes do not affect the performance of the embankment.

The NW embankment is the County bridge garage parking lot and in good condition.

The SW embankment adjacent to the abandoned Riverbed Road is experiencing slope movement and is being monitored. This failure has led to the movement and cracks of the south west approach wingwall between Tower A and Tower B.

c5. Guardrail (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
1	1	0			1.00

For approach guardrail, only the portion at the SE end of the bridge adjacent to the parking lot was considered. The guardrail is composed of a concrete parapet topped with an aluminum picket. The guardrail is in good condition with only very minor shrinkage cracks noted. (Note median impact attenuator is rated with the median)

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
APPROACH INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DECK INSPECTION**

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
Sufficiency Rating: 66.0 Date Built: 7/1/1917
District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

DECK

(58) NBIS Deck Summary: 6 **Recommended:** 9

c7.1 Floor/Slab (SF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
226203.55	217703.6	7500	1000		1.12

This item includes the floor slab of the Detroit Avenue Tunnel, the West 25th Street Tunnel, the West Station, Upper deck floor in Spans 1A, 1B and 1 through 13, and the East Station. The top of floor is covered by wearing surface, curb, walk, or railing, thus this rating is governed primarily by the underside inspection.

A structural floor slab was placed on top of the Detroit Avenue Tunnel during the 1995-97 rehabilitation, and is considered to be in CS 1.

West 25th Street Tunnel: One location of exposed bottom mat rebar, say CS 3, 100 SF.

The West Station floor slab has areas of CS 2 and CS 3 primarily beneath the south curb line and along deficient floor joints. CS 2 - 7342 SF, CS 3 - 832 SF. Top of West Station slab was extensively patch in Fall 1995. Waterproofing placed in 1995 is not effective. Slab is 16 inches thick in most areas.

Main Spans: No deficiencies noted except as follows:
Span 8, Center Bay: Water dripping during rain events.
Span 9: One full depth patch was performed in November 2015

many of the same deficiencies were observed. Many cracks had rows of stalactites. Active dripping in these areas also led to deposition mounds or corrosion in utilities below. In spall areas with rebar showing, sometimes up to about 50% of the bar circumference was exposed. An estimated 20% of the ceiling was saturated and stained.

East of the Detroit Station, the slab on the main concrete and steel spans was in good condition. Having been replaced in a recent rehabilitation, the slab in these areas was dry with only minimal hairline cracking. In Span 9, a full-depth The slab There were some very isolated areas with cracks, moisture, or efflorescence in the main steel span slab. The most notable deficiencies occurred in the stay in place forms adjacent to the locations where the main steel arch or hangers penetrate the deck. The east approach tunnel slab was also in very good condition with only some small isolated cracks with efflorescence noted.

c7.2 Edge of Floor/Slab (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
5312	5312	0			1.00

The edge of floor quantity applies only to the concrete bridge sections was rated. With 18 years of service, the slab edge is still in good condition with only minor cracks noted.

c8. Wearing Surface (SF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
191232	0	191232	0	0	2.00

The wearing surface quantity includes the four lanes of concrete wearing surface on the bridge as well as the asphalt overlay of the West Station and tunnels.

Overall, portions of the the concrete wearing surface were repaired in 2014 and 2015. condition with isolated spalls,

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

DECK INSPECTION

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
 Sufficiency Rating: 66.0 Date Built: 7/1/1917
 District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

DECK

patches, and plow damage. Local sounding of the concrete wearing surface revealed 2 to 5% of total WS area unsound. Open longitudinal cracks are also present in the concrete WS. On asphalt patch is present in Span 4, interior WB lane. Contractor also performed one additional large WS patch in Span 9 that revealed significant section loss of top mat rebar.

c9. Curb/Sidewalk/Walkway (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
5312.00	0	5312.00			2.00

The bridge has two walks that run its length. No walk quantities paralleling the tunnel sections were considered. The walk concrete has local spalls and delaminations, mostly on the north walk added in 2003.. This is primarily along the trench drain that runs for much of its length. Some of the drain cover panels are damaged and much of the drain is filled with sediment or vegetation. There is also plow debris accumulating on the walk at several points along the bridge.

c10. Median (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
675	635	40		0	1.09

The bridge has a single median at the point where the southern eastbound lane diverges around the steel arch superstructure. The median received a poor rating due to the condition of the attenuator on the eastbound leading edge. As shown in the pictures below, several of the attenuator bays show evidence of collision damage. The visibility paint on the west end of the barrier is also nearly gone.

c11. Railing (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
5312	5312		0		1.00

The entire length of concrete railing on the bridge was considered in this item. There was also Type 5 railing on the north side of Span 4 protecting the bridge truss and hangers. All concrete railing was in good condition with minor cracking, staining, and isolated distress.

c12. Drainage (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0	0.00	2		3.00

This item encompassed the entire drainage system of the bridge moving from the deck scuppers to the outlets at the bases of the piers. During rainfall the deck had little to no ponding. The majority of the deficiencies occurred at the drainage outlets. Some of the downspouts or the basins into which they drained were completely clogged. There was also one catchbasin with dislodged lid. The south drain outlet at pier 1 is clogged up to the downspout and is preventing drainage from the structure.

At the south side of Pier 3, the plastic downspout the lower 10 feet up is broken.

Most of the curb drains are partially clogged, but drainage is not impacted.

c13. Expansion Joint (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0	0.00	40		3.00

The bridge has expansion joints within the tunnel sections, concrete spans, and main steel arch. Expansion joints are not present in the west approach tunnels, West Station or East Station. The concrete arches sections have expansion joints

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DECK INSPECTION**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499) CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

DECK

between spans. Most joints are in good condition. The Tower B expansion joint membrane is torn. The armor above is in good condition, but some surrounding concrete has occasional delaminations and spalls on both the leading and trailing edges. The joints are nearly full of debris. There are four joints within the steel arch section. On the deck these joints show similar concrete damage and debris accumulation with minimal staining at the interface with the concrete spans. There is some plow damage.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DECK INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

STATE OF OHIO DEPARTMENT OF TRANSPORTATION SUPERSTRUCTURE INSPECTION

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
 Sufficiency Rating: 66.0 Date Built: 7/1/1917
 District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

SUPERSTRUCTURE

(59) NBIS Superstructure Summary: 5 **Recommended:** 8

c14. Alignment (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
13	13				1.00

c15.1 Beams/Girders (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
1200	1000	200			1.23

This item is the concrete beams between the columns in the tunnel section. Overall these are in fair condition. Some were repaired during our inspection process.

c16. Diaphragm/Cross Frames (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0				

c17. Stringers (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
10638	10638	0			1.00

This quantity only includes upper deck stringers. Normal vehicular and pedestrian traffic is not dependent on the lower deck stringers.

c18. Floorbeams (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
37468	36266	1000	200	2	1.13

Rating of this item includes all concrete and steel floorbeams in both the upper and lower decks. Concrete floorbeams are supported by columns in the spans approaching the central steel arch. Floorbeams in the steel section are supported from hangers from the lower arch chord.

Most of the concrete floorbeams in the spans approaching the central steel span are in good condition. Hairline cracks are common and larger cracks have been previously repaired using epoxy injection. There are a few isolated spalls which are already marked for repair in the current rehabilitation.

The steel floorbeams in Span 4 are in poor condition. All show severe corrosion and section loss especially around the verticals connecting the decks. Pack rust is common between the plates that compose the members. Through holes in the web, flanges, and stiffeners were also noted.

c19. Truss Verticals (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating

STATE OF OHIO DEPARTMENT OF TRANSPORTATION SUPERSTRUCTURE INSPECTION

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

SUPERSTRUCTURE

50	50	0			1.00
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Minor corrosion on lacing bars

c20. Truss Diagonals (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
48	48	0			1.00

Minor section loss on lacing bars.

c21. Truss Upper Chord (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
48	48				1.00

Minor corrosion present at U12 hinge cover plate

c22. Truss Lower Chord (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
48	36	12			1.33

Minor section loss typical L0 to L3.

c23. Truss Gusset Plate (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
104	102	2	0		1.03

10% average section on both gusset plates, South L2.

c24. Lateral Bracing (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
36	0	36			2.00

Lateral bracing below upper deck has minor section loss.

c25. Sway Bracing (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
28	28	0.00			1.00

c26. Bearing Devices (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
4	0	4			2.00

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE INSPECTION

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
 Sufficiency Rating: 66.0 Date Built: 7/1/1917
 District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

SUPERSTRUCTURE

Steel Arch bearing has minor deterioration. Steel shot blast material not removed during the 1997 painting is present within the chambers of all bearings. The bearing pin covers have cracks, at all four bearing locations. Appear to be growing at the South West Bearing. Cracks do not affect the performance of the bearing.

c27. Arch (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
5558	5358	0.00	200		1.50

This item consists 5558 feet of concrete arch ribs. (See truss items for steel arch condition rating.) Overall the concrete arch ribs are in fair condition with about 5% areas with spalls.

Except Span 12, all arches have no shear reinforcement and top and bottom mat of reinforcement is discontinuous.

Span 3 NE, NI & SE arches, Span 5 NE and SE arches: Evidence present that the arches are cracked vertically through full section centered on the 1/4 point of the arches.

Evidence also present that concrete patches are cracked and spalling due to continued rebar corrosion. Removed portions of shotcrete patches shows signs of sufficient adhesion to original concrete.

See detailed report for additional information.

c28. Arch Column/Hanger (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
1118	1068	50.0			1.07

See c31 Pins/Hangers/Hinges for steel hangers in Span 4..

Overall the Concrete Columns are in fair condition, with the ones that were replaced with the 1994 rehab in fair condition. Most of the deteriorated columns from the 2013 bridge inspection are being repaired under the current construction project. Current rehabilitation work patched only columns over public areas.

c30. Protective Coating System (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
14469	12869	1200	400		1.49

Above Upper Deck: Minor paint PCS deficiencies are present, including the oxidized top coat, are present.

At upper and lower deck levels: PCS has been restored and is in good condition.

Below lower deck, L0 to L3 and lateral bracing connections: Local PCS failure on lower chord and lateral bracing connections.

c31. Pins/Hangers/Hinges (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
30	30				1.00

Quantity The bridge has a single pin on each side at the center of each lower steel arch chord. From PP 5 to PP 5', the steel hangers were replaced during the 1994 Rehab and are in good condition.

Original hanger at PP4 and PP4' were not removed in 1995 since these elements were contained steel, are redundant elements and not included in this condition rating.

One hanger set on South Truss exhibits unequal tension.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE INSPECTION**

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
Sufficiency Rating: 66.0 Date Built: 7/1/1917
District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

SUPERSTRUCTURE

c32. Fatigue (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0	0.00			

No fatigue distress was noted at the eyebar heads. Lower pins with grease fitting were greased during the 2014 inspection.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE INSPECTION

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
 Sufficiency Rating: 66.0 Date Built: 7/1/1917
 District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

SUBSTRUCTURE

(60) NBIS Substructure Summary: 5 **Recommended:** 4

c33. Abutment Walls (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
170.33	0	3289	170.33		3.00

The abutment wall include the tunnel walls. Abutment wall concrete shows signs of staining and minor cracking with some spalls. North East Approach Tunnel Wall was under construction during out initial inspections, with many areas of 360 degree rebar exposure during the repair process. These ares were repaired by the completion of the inspection and the rating is based on the repaired walls.

Overall the Pier Columns are in fair condition.

c35. Abutment Columns/Bents (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0				

c34. Abutment Caps (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
170.33	0				

c38. Pier Columns/Bents (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
40.0	0	40.0	0		2.00

Piers 1-3 and 5-12. Minor cracking and some unsound areas where previously patched with shotcrete. (Note South Tower B is rated under wingwall)

Upper and lower deck pier shafts: The Pier 5 South Upper Deck Pier Shaft was replaced in 1995-96. The Pier 5 South Lower Deck Pier Shaft is deeply scaled with indications that it is deficient deep inside.

c36. Pier Walls (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
1022.00	0	1022.00			2.00

Arch Span Abutments and Piers 3 and 4. Minor cracks with active rebar corrosion is present.

c37. Pier Caps (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
1022.00	0	1022.00			2.00

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SUBSTRUCTURE INSPECTION**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

SUBSTRUCTURE

c39. Backwalls (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
170.33	0	170.33			2.00

Tunnel Ends. Minor Staining, Wet, and isolated cracking.

c40. Wingwalls (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0	0.00	60		3.00

Soft concrete at southwest wingwall and cracking. Spalls at curtain walls typical with no significant change.

South Tower B settlement has continued. See crack monitor pictures in report.

c42. Scour (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
14	0	14			2.00

c43. Slope Protection (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0	0.00			

Stone in some areas along West Side.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SUBSTRUCTURE INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CULVERT INSPECTION**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

CULVERT

(62) NBIS Culvert Summary:

N

Recommended:

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CULVERT INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499) CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CHANNEL INSPECTION**

Structure File Number: 1800930 Inventory Bridge Number: CUY 00006 14.560 N Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU
Sufficiency Rating: 66.0 Date Built: 7/1/1917
District: 12 Place Code (FIPS): CLEVELAND USR 6 over (1499)CUY. RIVER & RTA Type of Service on: HIGHWAY-PEDESTRIAN

CHANNEL

(61) NBIS Channel Summary: 6 **Recommended:** 6

c51. Alignment (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
200.00	200	.0			1.00

Bridge has navigation lights, but SMS will not allow this item to be rated. All 6 navigation lights are not working at the time of this report.

c52. Protection (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
200.00		200.00			2.00

Sheet Pile walls at Pier 4. Small sink hole behind sheet pile wall.

There is no collision protection present at Pier 3. Former sheet pile sea wall that defined the west dock line downstream Pier 3 is partially missing, remaining section is just visible above the water.

c53. Hydraulic Opening (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
1	1				1.00

Span 4 has 96-ft minimum navigation clearance.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CHANNEL INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SIGNS/UTILITIES INSPECTION**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

SIGNS/UTILITIES

(41) Open, Posted or Closed: A

c55. Signs (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
0.00	0	0.00	1		3.00

The West Approach "X" overhead sign at the south end of the cantilever sign support, facing eastbound traffic is faded and non-functioning.

A sign is missing at the south west terminal of the steel arch sections just beyond the impact attenuator.

c56. Sign Supports (EA)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
4	4	0.00			1.00

c57. Utilities (LF)

Total Quantity	State 1	State 2	State 3	State 4	Transition Rating
12000.00	0	12000.00	0.00		2.00

UTILITY JUNCTION BOXES IN SPANS 3, 6 & 13 EXHIBIT ADVANCED CORROSION THROUGHOUT COMPONENTS WITH FAILED CORRUGATED METAL OUTER CONTAINMENT. AREAS OF LOOSELY CONNECTED/HANGING WIRES. DAMAGE TO SOME HANGERS. AREAS OF DISCONNECTED CONDUIT. RUSTED SECTION LOSS TO CONDUIT, MOSTLY IN TUNNELS.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SIGNS/UTILITIES INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SUPPLEMENTAL INSPECTION**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499) CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

SUPPLEMENTAL

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
SUPPLEMENTAL INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CRITICAL FINDINGS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
REVIEW**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
JOINT MEASUREMENT**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499) CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

Date: _____

Joints Labeled Upstation

Inspector: _____

Joints Measured Longitudinal (not perpendicular to joint armor)

Joint No.	Location:		Location:		Location:		Location:	
	Temp (F)	Msmt (in)	Temp (F)	Msmt (in)	Temp (F)	Msmt (in)	Temp (F)	Msmt (in)

STATE OF OHIO DEPARTMENT OF TRANSPORTATION MOVEABLE BEARING INSPECTION

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

Access: Inspection Date: 12/23/2015

Temperature: ° F Inspector(s)

Beams labeled left to right looking up station.

Rocker Bearing Field Documentation Summary

1. Reference Sketch:

A = Height of rocker

B = High corner of rocker plate

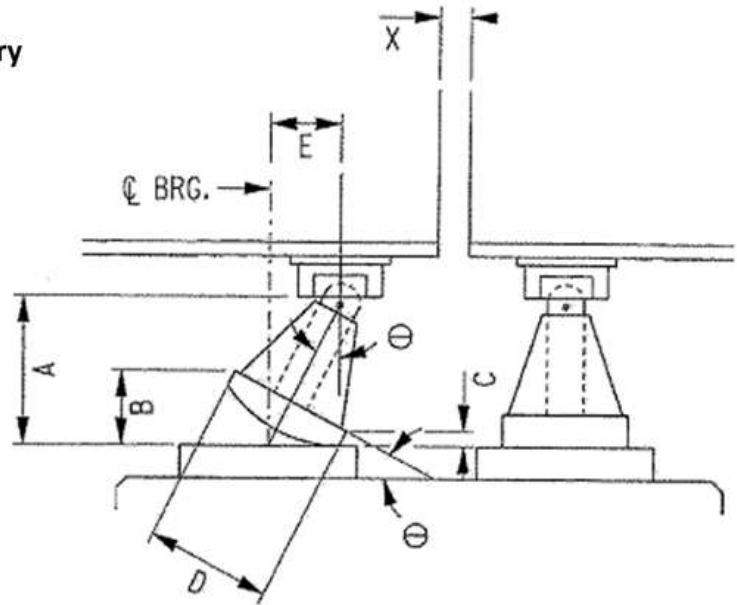
C = Low corner of rocker plate

D = width of rocker plate

θ = Angle of rotation (tilt)

E = Eccentricity (translation)

X = minimum clear distance between girders or from girder to abutment



SECTION

Substructure Unit	Beam No.	Dim "A" (in)	Dim "B" (in)	Dim "C" (in)	Dim "D" (in)	Dim "X" (in)	Angle "θ" (deg)	Dim "E" (in)

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
CROSS CHANNEL PROFILE**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

Upstream or Downstream?:

The feature from which the measurements are taken (Curb, Top of Railing):

The distance between the underside of the superstructure and the reference feature labeled above: _____ ft.

Record the number of bents, tower legs or columns in water at the time of inspection:

and/or

Record the LINEAR FEET of Pier and Abutment Walls in water at the time of inspection:

Msmt	Span	Horizontal Distance from Rear (ft)	Object Measured (abutment, pier, slope change, flowline, 1/4 span, 1/2, 3/4, etc.)	Vertical or Profile Measurement (ft)	Comments
------	------	------------------------------------	------------------------------------------------------------------------------------	--------------------------------------	----------

**PIN AND HANGER
DETAILED INSPECTION FORM**



Bridge CUY - 00006 - 14.560
Co. Rte. SLM

Inspection Date(s) 12/23/2015

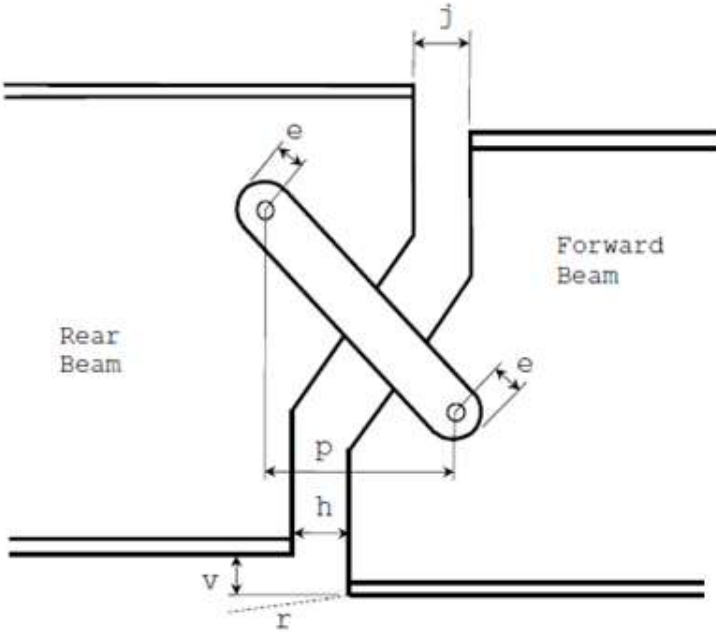
Access _____

Inspector(s) Vermes, William

Temperature _____

Beams labeled left to right looking up

Beams labeled left to right looking up station.



Values are in inches:

- h-horizontal at bottom of flange
- j-joint b/w armor at beam; longitudinal w/traffic
- v-vertical (+) value where fwd. beam is above, (-)below
- r-rotation transverse (+) value fwd. beam right, (-) left
- p-pins (+) value top pin fwd. of vertical, (-) rear
- e-hanger ends from center of pin
- t-any thickness measurements (label locations on drawing)

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DAMAGE**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

Date:

Time:

Route On:

Contacted: (ex. Owner, EMS, etc.)

Lane Closed:

Route Under:

Lane Closed:

Documents Attached:

- Accident Patrol Report
- Bridge Inspection Report
- Critical Findings Report
- Estimate of Damage (see Tables 1 and 2 below)
- Pictures

Controlling Minimum Vertical Clearance (xx' - xx") with location and additional pertinent information

Table 1 - Damaged Main Member to be Heat Straightened

Damaged Section	Beam Number	Pier/Abut Reference	B (ft)	C (ft)	D (ft)	E (ft)	F1 (ft)	F2 (ft)	G (ft)	J (ft)	Number of Nicks & Gouges to Grind

Table 2 - Damaged Secondary Member to be replaced (i.e. crossframe)

Between Beams	Pier/Abut	N	1D	2D	3S	4S
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

N = Number of crossframes from abutment or pier referenced

Notes:

STATE OF OHIO DEPARTMENT OF TRANSPORTATION DAMAGE

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

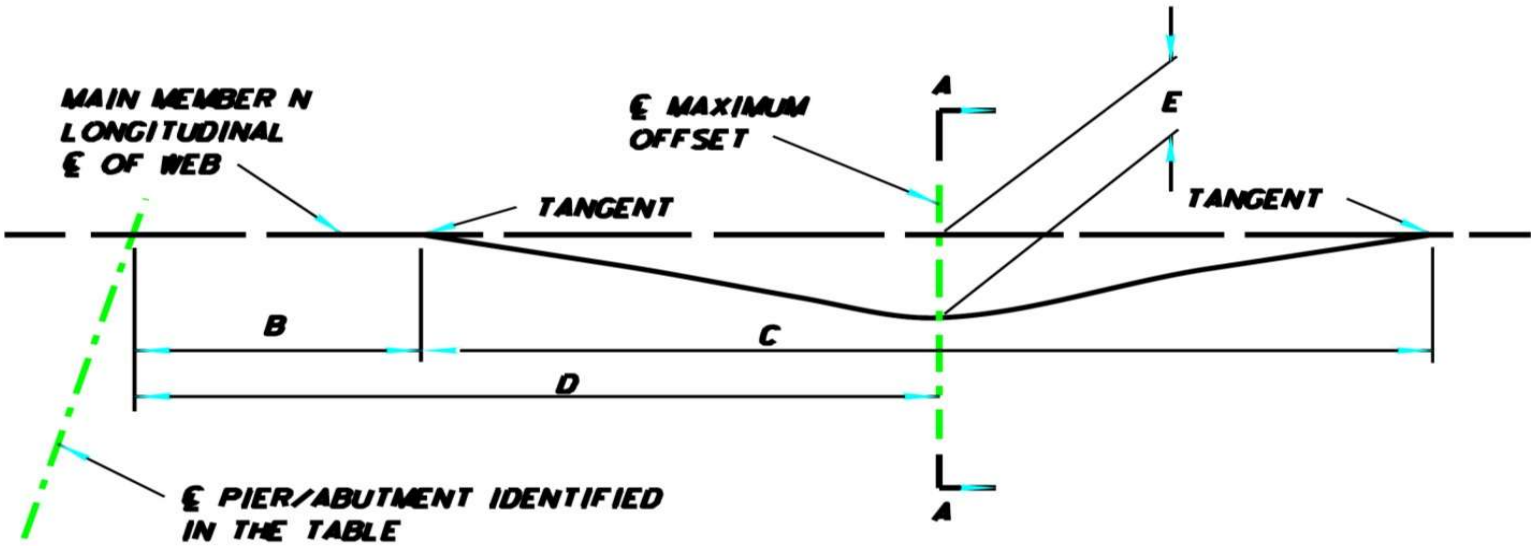
Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

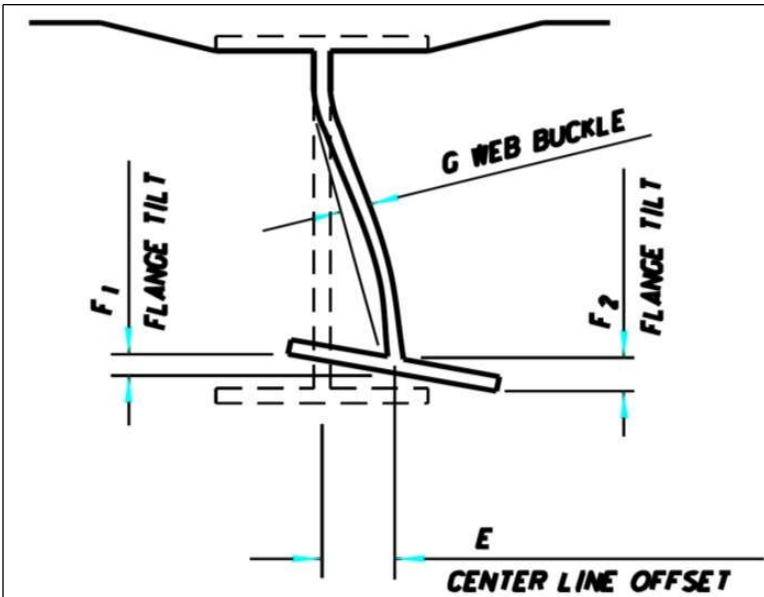
USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

Use for Table 1



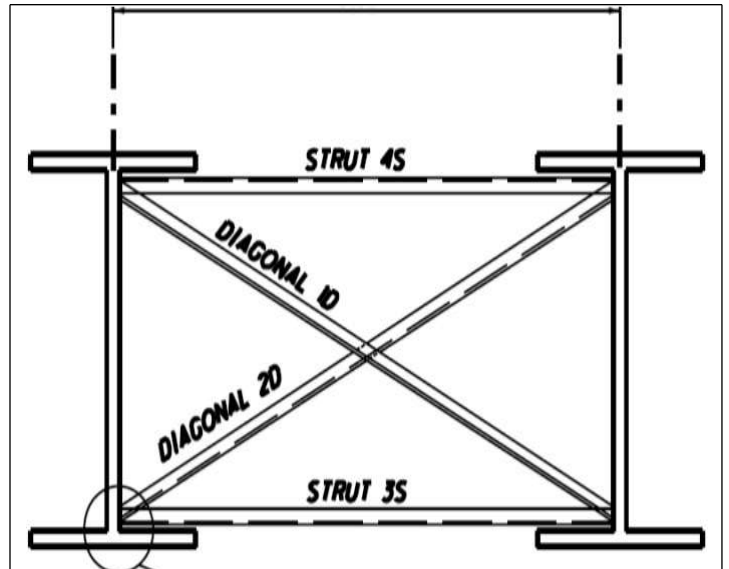
Use for Table 1



Section A-A

Negative E Values are bent left
 Negative F Values are bent down
 Negative G values are bent left
 J = Length of epoxy injection

Use for Table 2



Remove according to Item 202-Portions of secondary members removed, as per plan, replace by matching existing detail, see GSD-1-96 for additional clarification.

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
INSPECTION PHOTOS**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
MAINTENANCE**

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

Underwater Inspection

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

NO FILES HAVE BEEN UPLOADED

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

Fracture Critical Plan

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

NO FILES HAVE BEEN UPLOADED

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

Scour Critical Plan of Action

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

NO FILES HAVE BEEN UPLOADED

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

Scour Assessment Checklist

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499) CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

NO FILES HAVE BEEN UPLOADED

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

Drawings

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

NO FILES HAVE BEEN UPLOADED

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

NDT Report

Structure File Number: 1800930

Inventory Bridge Number: CUY 00006 14.560 N

Bridge Type: 3 - STEEL/5 - ARCH/4 - THRU

Sufficiency Rating: 66.0

Date Built: 7/1/1917

District: 12 Place Code (FIPS): CLEVELAND

USR 6 over (1499)CUY. RIVER & RTA

Type of Service on: HIGHWAY-PEDESTRIAN

NO FILES HAVE BEEN UPLOADED