STATE OF OHIO
BRIDGE INSPECTION REPORT

Structure File Number: 1801074

Inventory Bridge Number: CUY-0006A-0042 _(1801074)

USR 6A over ROCKY RIVER

Inspection Type: Routine

Inspection Date: 07/16/2020

District: 12

County: 18 - Cuyahoga

Place Code (FIPS): 68056

Bridge Type:

3 - Steel

03 - Girder and Floorbeam System

N- Not Applicable

Type of Service:

5 - Highway-pedestrian

Maintenance Responsibility:

01 - State Highway Agency

Inspection Responsibility:

01 - State Highway Agency

Routine Maintenance Responsibility:

04 - City or Municipal Highway Agency

Lead Inspector: Persanyi,Andrea

Reviewed by: Youssef Seif

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225 Routine Main A/B	04 - City or Municipal Highway Agency /	6: Feature Ints	ROCKY RIVER
221 Inspection A/B	01 - State Highway Agency /	9: Location	400FT. E. USR20
220: Inv. Location	CUY		

Condition

58: Deck	**6 - Satisfactory Condition**
58.01 Wearing Surface	6 - Satisfactory (1-10% distress)
58.02 Joint	6- Satisfactory (isolated leaking)
59: Superstructure	**6 - Satisfactory Condition**
59.01 Paint & PCS	6 - Satisfactory (5-10% corr.)
60: Substructure	**7 - Good Condition**
61: Channel	**8 - Banks are protected**
61.01 Scour	**7 - Good**
62: Culverts	**N - Not Applicable**
67.01 GA	**6**

Appraisal

36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	9 - Foundations above flood waters
71: Waterway Adequacy	8 - Bridge Above Approaches

Geometric

48: Max Span Length (ft)	265.0
49: Structure Length (ft)	640.0
52: Deck Width, Out-To-Out (ft)	80.0
424: Deck Area (sf)	51204.0
32: Appr Roadway Width (ft)	64.0
51: Road Width, Curb-Curb (ft)	74.0
50A: Curb/SW Width: Left (ft)	7
50A: Curb/SW Width: Right (ft)	7
34: Skew (deg)	0
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	0
336A: Min Vert Clrnce IR Cardinal (ft)	99
336B: Min V Clr IR Non-Cardinal (ft)	0
578: Culvert Length (ft)	0

Load Posting

41: Op/Post/Closed	A - Open
70: Posting	5 - Equal to or above legal loads
70.01: Date	
70.02: Sign Type	
734: Percent Legal (%)	150
704: Analysis Date	07/01/1900
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Structure Type

43: Bridge Type	3 - Steel 03 - Girder and Floorbeam System N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	N - Non-composite Construction
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	2 - Integral Concrete (separate non-modified layer of concrete added to structural deck) 2- MicroSilica
422: WS Date	01/01/2001
423: WS Thick (in)	3.2
482: Protective Coating	2 - Unpainted Weathered Steel
483: PCS Date	01/01/1980
453: Bearing Type 1	2 - Rockers & Bolsters
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab	1980 /
42A: Service On	5 - Highway-pedestrian
42B: Service Under	5 - Waterway
28A: Lanes on	04
28B: Lanes Under	00
19: Bypass Length	2
29: ADT	15856
109: % Trucks (%)	17

Inspections

		Months	
90: Routine Insp.		12	07/16/2020
92A: FCM Insp.	N		
92B: Dive Insp.	N		
92C: Special Insp.	N		
92D: UBIT Insp.	Y	12	06/19/2019
92E: Drone Insp.			

Inspector Persanyi,Andrea

Location Map

Executive Summary

CUY-0006A-0042 _(1801074)

ODOT District:	12			Date Built:	07/01/1980
Major Maint:	01 - State Highway Agency	Facility Carried:	USR 6A	Traffic On:	5 - Highway-pedestrian
Routine Maint:	04 - City or Municipal Highway Agency	Feature Inters:	ROCKY RIVER	Traffic Under:	5 - Waterway
FIPS Code:	68056 - ROCKY RIVER (CUY county)	Location:	CUY 400FT. E. USR20	Insp. Resp A:	01 - State Highway Agency
				Insp Resp B:	

Inspector Persanyi,Andrea Inspection Date 07/16/2020 Reviewer Youssef Seif

National Bridge Inventory

Status 0 - ND

Sufficiency Rating 97.8

Identification

(1) State Code	395 - Ohio
(8) Structure File Number (SFN)	1801074
(7) Facility Carried	USR 6A
(208) Route on the Bridge	10 - State (ODOT) (Toll Free)
(2) Highway Agency District	12
(3) County Code	18 - Cuyahoga
(209) Interstate Mile Marker	
(201) Special Designation	
(4) Place Code (FIPS)	68056 - ROCKY RIVER (CUY county)
(5) Inventory Route	
(A) Record Type On/Under Always "On"	1: Route carried "on" the structure
(B) Route Signing Prefix (Highway System)	2 - U.S. NUMBERED HIGHWAY
(C) Designated Level of Service (Highway Designation)	1 - MAINLINE
(D) Route Number	0006A
(E) Directional Suffix	0 - NOT APPLICABLE
(6) Features Intersected	ROCKY RIVER
(9) Location	400FT. E. USR20
(11) Milepoint	00.420
(12) Base Highway Network	Inventory Route is not on the Base Network
(13A) LRS Inventory Route	
(13B) Subroute Number	
(16) Latitude	41.48247 Degrees
(17) Longitude	-81.83252 Degrees
(16.01) Latitude - Ohio	41.482472
(17.01) Longitude - Ohio	-81.832522
(98A) Border Bridge State Code	
(98B) Border Bridge State Percent Responsibility	
(99) Border Bridge Struct No.	

Inspections

(90) Inspection Date			07/16/2020
(91) Designated Inspection Frequency			12
(92) Critical Feature Inspection			(93) CFI Date
A. Fracture Critical Detail	N		
B. Underwater Inspection	N		
C. Other Special Inspection	N		
D.01 Snooper Inspection	Y	12	06/19/2019
E.01 Drone Inspection			

Condition

(58) Deck	6 - Satisfactory Condition
(58.01) Wearing Surface	6 - Satisfactory (1-10% distress)
(58.02) Expansion Joint	6- Satisfactory (isolated leaking)
(59) Superstructure	6 - Satisfactory Condition
(59.01) Protective Coating System (PCS)	6 - Satisfactory (5-10% corr.)
(60) Substructure	7 - Good Condition
(61) Channel & Channel Protection	8 - Banks are protected
(61.01) Scour	7 - Good
(62) Culvert	N - Not Applicable
(67.01) General Appraisal	6 - Satisfactory Condition (minor deterioration)

ODOT District: 12

CUY-0006A-0042 _(1801074)

Date Built: 07/01/1980

Major Maint: 01 - State Highway Agency | Facility Carried: USR 6A | Traffic On: 5 - Highway-pedestrian | Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency | Feature Inters: ROCKY RIVER | Traffic Under: 5 - Waterway | Insp. Resp A: 01 - State Highway Agency

FIPS Code: 68056 - ROCKY RIVER (CUY county) | Location: CUY 400FT. E. USR20 | Insp Resp B:

Inspector Persanyi,Andrea | Inspection Date 07/16/2020 | Reviewer Youssef Seif

Structure Type and Material

(43) Main Structure Type	A.	3 - Steel
	B.	03 - Girder and Floorbeam System
	C.	N- Not Applicable
(44) Approach Type	A.	0 - Other
	B.	00 - Other
	C.	N- Not Applicable
(45) Number of Spans in Main Unit		3
(46) Number of Approach Spans		0
(107) Deck Structure Type		1 - Concrete Cast-in-Place
(107.01)		
(108B) External Deck Protection		3 - Epoxy
(108C) Internal Deck Protection		N - NA
(422) Wearing Surface Date		01/01/2001
(108A) Wearing Surface Type		2 - Integral Concrete (separate non-modified layer of concrete added to structural deck)
(108A.01)		2- MicroSilica
(423) Wearing Surface Thickness		3.2 in
(483) Protective Coating System Date		01/01/1980

Age of Service

(27) Year Built	1980
(263) Date Built	07/01/1980
(106) Year Reconstructed	
(264) Major Reconstruction Date	
(42) Type of Service	
On	5 - Highway-pedestrian
Under	5 - Waterway
(28) Lanes	On 04 Under 00
(29) Average Daily Traffic	15856
(30) ADT Yr.	2015
(109) Truck Percentage	17 % Truck
(114) Future Avg Daily Traffic	22008
(115) Future ADT Yr.	2038
(19) Bypass Detour Length	2 mi.

Load Rating and Posting

(31) Design Load	6 - HS 20+Mod
(63) Operating Rating Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.
(64) Operating Rating Factor	1.3
(65) Inventory Rating Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.
(66) Inventory Rating Factor	1
(41) Structure Open, Posted, or Closed to Traffic	A - Open
(70) Bridge Posting	5 - Equal to or above legal loads
(70.01) Date Posted	
(70.02) Posted Sign Type	
(70.03) Posted Weight	

Appraisal

(67) Structural Evaluation	6 - Equal to present minimum criteria
(68) Deck Geometry	9 - Superior to present desirable criteria
(69) Underclearances, Horizontal and Vertical	N - Not applicable
(71) Waterway Adequacy	8 - Bridge Above Approaches
(72) Approach Roadway Alignment	8 - Equal to present desirable criteria
(36) Traffic Safety Feature	
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
(113) Scour Critical	9 - Foundations above flood waters

CUY-0006A-0042 _(1801074)

ODOT District: 12
Major Maint: 01 - State Highway Agency
Routine Maint: 04 - City or Municipal Highway Agency
FIPS Code: 68056 - ROCKY RIVER (CUY county)
Facility Carried: USR 6A
Feature Inters: ROCKY RIVER
Location: CUY
Traffic On: 5 - Highway-pedestrian
Traffic Under: 5 - Waterway
400FT. E. USR20
Date Built: 07/01/1980
Rehab Date:
Insp. Resp A: 01 - State Highway Agency
Insp Resp B:

Inspector Persanyi,Andrea Inspection Date 07/16/2020 Reviewer Youssef Seif

Classification

(112) NBIS Bridge	Yes
(104) Highway System of the Inventory Route	0 - Structure/Route is NOT on NHS
(26) Functional Classification of Inventory Route	16 - Urban - Minor Arterial
(100) Strahnet Highway Designation	Not a STRAHNET route
(101) Parallel Structure Designation	N - No parallel structure
(102) Direction of Traffic	2-way traffic
(103) Temporary Structure Design	
(105) Federal Lands Highways	Not Applicable
(110) Designated National Network	Inventory route not on network
(20) Toll	3 - On Free Road
(225) Routine Maintenance Responsibility	A. 04 - City or Municipal Highway Agency B.
(21) Maintenance Responsibility	01 - State Highway Agency
(21B) Major Maint. Responsibility B	
(221) Inspection Program Responsibility	A. 01 - State Highway Agency B.
(22) Owner	01 - State Highway Agency
(37) Historical Significance	5 - Not eligible

Navigation Data

(38) Navigation Control	0 - No navigation control on waterway (bridge permit not required)	
(39) Nav Vert Clearance	0.0	Ft.
(40) Nav Horizontal Clearance	0.0	Ft.
(111) Pier or Abutment Protection		
(116) Minimum Navigation Vertical Clearance, Vertical Lift Bridge	0.0	Ft.

Geometric Data

(48) Longest Span	265.0	Ft.
(49) Structure Length	640.0	Ft.
(50A) Curb/Sidewalk Left Side - Width	7	Ft.
(50B) Curb/Sidewalk Right Side - Width	7	Ft.
(51) Brdg Roadway Width Curb-to-Curb	74.0	Ft.
(52) Deck Width, Out-to-Out	80.0	Ft.
(32) Approach Roadway Width	64.0	Ft.
(33) Bridge Median	0 - No median	
(34) Skew	0	Deg.
(35) Structure Flared	0 - No flare	

Clearances

(10) Practical Maximum Vertical Clearance	99	Ft.
(53) Minimum Vertical Clearance Over Bridge Roadway	99	Ft.
(47) Total Horizontal Clearance (Inventory Route)	64	Ft.
(54) Minimum Vertical Under Clearance	B. 0	Ft.
	A. N - Feature not a highway or railroad	
(56) Minimum Lateral Under Clearance on Left	0	Ft.
(55) Minimum Lateral Under Clearance on Right	B. 0	Ft.
	A. N - Feature not a highway or railroad	

Inventory Route Clearances

NBI 005A: On/Under 1: Route carried "on" the structure

NBI 005D: Route No. 0006A

	Cardinal Direction		Non-Cardinal Direction	
(336) Minimum Vertical Clearance on IR	99	Ft.	0	Ft.
(335) Minimum Horizontal Clearance on IR	64	Ft.	0	Ft.

Ohio Bridge Inventory

General

(203) Bridge Name (Dedicated Name)	
(204) Ohio Designated MPO	08 - NOACA (Cleveland)
(205) Route Number Extension	
(206) Inventory Preferred Route	P - Inventory route is the preferred route in an overlap area.
(5.01) Priority System Code (Inventory Route)	
(213) NLF_ID Inventory Route	SCUYUS00006*AC
(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	1 - Yes
(246) Aperture Cards Original	1 - Yes
(247) Aperture Cards Repair	2 - No
(248) Original Construction Project Number	065178
(251) Standard Drawing Number	SD-1-69
(252) Microfilm Reel Number	
(261) Bridge Remarks	

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(265) Electric Line Present	U - Unknown
(266) Gas Line Present	Y - Bridge carries this utility
(269) Sanitary Sewer Present	U - Unknown
(306) NBIS Bridge Length	640
(207) Route Under the Bridge	99

Inventory Route Clearances

Inventory Route		Cardinal	Non-Cardinal	
(336) Minimum Vertical Clearance	99		0	ft.
(335) Minimum Horizontal Clearance	64		0	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	07/01/1900
(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	N - None	N - Non Barrier	N - No Joint

(407) Bridge Railing Type	1 - Reinforced Concrete Parapet
(408) Composite Deck Code	N - Non-composite Construction
(419) Expansion Joint with Trough Retrofit 2	N - No
(421) Joint Trough (Y/N)	N - No
(431) Fence	Y - The bridge includes 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	51204.0
(427) Left Sidewalk/Curb Material	1 - Concrete
(428) Left Sidewalk/Curb Type	2 - Sidewalk (greater than 2' in width)
(429) Right Sidewalk/Curb Material	1 - Concrete
(430) Right Sidewalk/Curb Type	2 - Sidewalk (greater than 2' in width)

Substructure

(526) Abutment Forward Type	5 - Stub Gravity
(527) Abutment Forward Material Type	2 - Concrete
(528) Abutment Forward - Foundation Type	1 - Steel H Piles (Other size)
(531) Abutment Rear Type	5 - Stub Gravity
(532) Abutment Rear Material Type	2 - Concrete
(533) Abutment Rear - Foundation Type	1 - Steel H Piles (Other Size)
(534) Pier 1 (Predominate) Type	2 - Cantilever (Tee) Open Panel
(535) Pier 1 (Predominate) Material	2 - Concrete
(536) Pier 1 Type - Foundation Type	1 - Steel H Piles (Other size)
(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	5 - Fabric bags filled with concrete

Superstructure

(711) Live Load Response	S - Satisfactory		
(468) Hinges/Pins/Hangers Type	N - Not Applicable (structures with no hinges)		
(409) Deck Drainage Type	3 - Scuppers and downspouts		
(411) Deck Concrete Type	U - Unknown		
	A	B	C
(414) Expansion Joint Type	8 - Elastomeric Strip Seal	N - None	N - None
(301) Horizontal Curve Degree			
(453) Bearing Device 1, Type	2 - Rockers & Bolsters		
(455) Bearing Device 2, Type	N - None		
(465) Framing Type	4 - Straight Beams/Girders		
(466) Haunched Girder	N - Bridge does not contain a haunched girder		
(467) Haunched Girder Depth	0		
(474) Main Structure System	3 - Four or More Girder Bridge		
(475) Main Member Type	3 - Welded Built-Up Steel		
(482) Protective Coating System Type	2 - Unpainted Weathered Steel		
(487) Structural Member Steel Type	1 - A588 (Weathering Steel)		
(498) Protective Coating System Surface Area	41301		
(499) Structural Steel Paint	N - None (i.e. steel = A588, unpainted)		
(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	3 - Sheet Piling
(663) Stream Velocity	5.6
(672) pH	

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	50800	sq. ft.	48800	1000	1000	0
510 - Wearing Surfaces		40640	sq. ft.	28640	12000	0	0
107 - Steel Open Girder/Beam	3 - Mod.	3175	ft.	3075	100	0	0
515 - Steel Protective Coating		93270	sq. ft.	88770	1500	3000	0
205 - Reinforced Concrete Column	3 - Mod.	4	each	3	1	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	159	ft.	158	1	0	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	157	ft.	152	5	0	0
305 - Assembly Joint without Seal	3 - Mod.	128	ft.	118	0	10	0
311 - Movable Bearing	3 - Mod.	15	each	6	9	0	0
313 - Fixed Bearing	3 - Mod.	5	each	2	3	0	0
321 - Reinforced Concrete Approach Slab	3 - Mod.	3840	sq. ft.	3775	65	0	0
331 - Reinforced Concrete Bridge Railing	3 - Mod.	1280	ft.	640	640	0	0
815 - Drainage	3 - Mod.	20	each	5	0	0	15
830 - Abutment Backwall	3 - Mod.	159	ft.	124	20	15	0

ODOT District: 12

CUY-0006A-0042 _(1801074)

Date Built: 07/01/1980

Major Maint: 01 - State Highway Agency | Facility Carried: USR 6A | Traffic On: 5 - Highway-pedestrian | Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency | Feature Inters: ROCKY RIVER | Traffic Under: 5 - Waterway | Insp. Resp A: 01 - State Highway Agency

FIPS Code: 68056 - ROCKY RIVER (CUY county) | Location: CUY 400FT. E. USR20 | Insp Resp B:

Inspector Persanyi,Andrea | Inspection Date 07/16/2020 | Reviewer Youssef Seif

Inspector Comments - Deck and Approach

Deck

Some bridge components were inspected from snooper on June 4, 2020 by Matt Stefanik, remaining elements by Andrea Persanyi on July 16, 2020.

Floor/Slab (SF)

Transverse cracks, approximately 500+ sf of spalls & 350+ sf of delams. A few spalls into netting.*Note: netting installed below floor (netting end clasps are not completely closed).*

Edge of Floor/Slab (LF)

A few cracks, some with stalactites.

Bridge Wearing Surface (SF)

Many longitudinal cracks, map cracking throughout.

Curbs/Sidewalk (LF)

Cracks.

Bridge Railing (LF)

Cracks, scaling, a few delams, rust stains, concrete patches, areas of torn/damaged fence fabric, spall and delaminations to light pole bases and exterior of railing.

Deck Drainage (EA)

North curb: 4/5 plugged scuppers over P1. South curb: 4/5 plugged scuppers over P1 & 5/5 plugged scuppers over P2.

Expansion Joint (LF)

Damage to forward armor in EB lane 1.

Approach

Approach Wearing Surface (EA)

Cracks, asphalt patches, asphalt breaking up.

Approach Slab (SF)

Longitudinal cracks, asphalt & concrete patches, areas of concrete break up, map cracking. Slight bounce onto & off bridge at forward.

Approach Embankment (EA)

Note: rear left curb deterioration adjacent to steel curb plate.

Inspector Comments - General Appraisal

Superstructure

Beams/Girders (LF)

Rusting section loss at both abutments with rusted thru holes in base of web of both fascia beam ends at rear. Gouge to outside left fascia near pier 1.

Diaphragm/X-Frames (EA)

Endframe rusting section loss, many rusting thru holes to end k-frame in bay 1 at forward.

Stringers (LF)

Rusting section loss.

Floorbeams (LF)

Rusting section loss at exjts.

Lateral Bracing (EA)

Rusting section loss at abutments with rusted thru holes in webs in left bay of span 3. Pack rust to gusset plates of beams 4 and 5 over pier 2.

Bearing Devices (EA)

Rusting section loss.

Protective Coating System (LF)

Note: A588 steel with beam ends & fascia beams painted. Areas painted over scale, peeling, drips & runs. Reactive rusting at beam ends. Other areas of rust throughout.

Fatigue (LF)

Tack welded backer bars used for lateral bracing gusset plate to web connection. Longitudinal stiffener welded to web.

Utilities (LF)

Separation & corrosion to leaking conduits in bay 4 at forward abutment with heavy deterioration & thru holes to utility support beam. Other areas of disconnected conduits. Hanging grounding cable at splice plate on beam 1 in span 3.

Substructure

Abutment Walls (LF)

Debris from expansion joint repair at forward abutment obscures most of it.

Pier Caps (LF)

Cracks. South end of P2 cap has been patched and fiber wrapped. Minor delams.

Pier Columns/Bents (EA)

Cracks, delams, east face of p2c2 has been patched and fiber wrapped.

Backwalls (LF)

Cracks, delams to both backwalls, some large.

Wingwalls (EA)

Construction joint at forward-right has opened as much as 2 1/4" at top. Delamination at forward right.

Slope Protection (EA)

Some undermining and shifting to grout bags at rear.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

CUY-0006A-0042 _(1801074)

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Major Maint:	01 - State Highway Agency	Facility Carried:	USR 6A	Traffic On:	5 - Highway-pedestrian	Rehab Date:	
Routine Maint:	04 - City or Municipal Highway Agency	Feature Inters:	ROCKY RIVER	Traffic Under:	5 - Waterway	Insp. Resp A:	01 - State Highway Agency
FIPS Code:	68056 - ROCKY RIVER (CUY county)	Location:	CUY	400FT. E. USR20		Insp Resp B:	
Inspector	Persanyi,Andrea	Inspection Date	07/16/2020	Reviewer	Youssef Seif		

Under Records

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:

Pictures

Sketches

CUY-0006A-0042 _(1801074)

ODOT District:	12					Date Built:	07/01/1980
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FIPS Code:	68056 - ROCKY RIVER (CUY county)	Location:	CUY	400FT. E. USR20		Insp Resp B:	
Inspector	Persanyi,Andrea	Inspection Date	07/16/2020	Reviewer	Youssef Seif		

Summary Recommendations

CUY-0006A-0042 _(1801074)

ODOT District:	12					Date Built:	07/01/1980
Major Maint:	01 - State Highway Agency	Facility Carried:	USR 6A	Traffic On:	5 - Highway-pedestrian	Rehab Date:	
Routine Maint:	04 - City or Municipal Highway Agency	Feature Inters:	ROCKY RIVER	Traffic Under:	5 - Waterway	Insp. Resp A:	01 - State Highway Agency
FIPS Code:	68056 - ROCKY RIVER (CUY county)	Location:	CUY	400FT. E. USR20		Insp Resp B:	
Inspector	Persanyi,Andrea	Inspection Date	07/16/2020	Reviewer	Youssef Seif		

Governing Members

CUY-0006A-0042 _(1801074)

ODOT District:	12					Date Built:	07/01/1980
Major Maint:	01 - State Highway Agency	Facility Carried:	USR 6A	Traffic On:	5 - Highway-pedestrian	Rehab Date:	
Routine Maint:	04 - City or Municipal Highway Agency	Feature Inters:	ROCKY RIVER	Traffic Under:	5 - Waterway	Insp. Resp A:	01 - State Highway Agency
FIPS Code:	68056 - ROCKY RIVER (CUY county)	Location:	CUY	400FT. E. USR20		Insp Resp B:	
Inspector	Persanyi,Andrea	Inspection Date	07/16/2020	Reviewer	Youssef Seif		

Complex Bridge Superstructure Comments

Historic Bridge Data

Status

(8) Structure File Number (SFN)	1801074	(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)			

Identification

(825) Historical Bridge Name		(7) Facility Carried	USR 6A	
(22) Owner	01 - State Highway Agency	(6) Feature Intersected	ROCKY RIVER	
(4) Place Code (FIPS)	68056 - ROCKY RIVER (CUY county)	(5) Inventory Route		
(3) County (Parish) Code	18 - Cuyahoga	(B) Route Signing Prefix	2 - U.S. NUMBERED HIGHWAY	
(2) Highway Agency District	12	(D) Route Number	0006A	
(9) Location	400FT. E. USR20	(16) Latitude at Rear Abutment	41.48247	degrees
(883) UTM		(17) Longitude at Rear Abutment	-81.83252	degrees

Structural Information

(43) Main Structure Type	3 - Steel	03 - Girder and Floorbeam System	N- Not Applicable	(827) Historical Year Built
(828) Historical Bridge Type				(836) Historical Data Source
(49) Structure Length	640.0	ft		(831) Historical Builder
(45) No. of Main Spans	3			(842) Historical Bridge Designer
(407) Bridge Railing Type	1 - Reinforced Concrete Parapet			(106) Year Reconstructed
				(829) Previous Inventory Date

Classification of Service

(26) Functional Class of Inventory Route	16 - Urban - Minor Arterial	(29) Average Daily Traffic (ADT)	15856
(104) Highway System of the Inventory Route	0 - Structure/Route is NOT on NHS	(30) Year of ADT	2015
(71) Waterway Adequacy	8 - Bridge Above Approaches	(109.01) Avg. Daily Truck Traffic (ADTT)	2696
		(102) Direction of Traffic	2-way traffic

Historical Significance

(843) Historical Setting/Context

(844) Historical Physical Description

(845) Historical Integrity

(846) Historical Significant Description

(847) Historical Bridge Remarks

(860) Justification

Capacity

(51) Bridge Rdwy Width Curb-Curb	74.0	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 Rdway Width	64.0	ft	(877) Inventory Rating Load - Adequate	Y	
(841) Bridge Wider	Y		(28) Lanes On	04	
(52) Deck Width Out-Out	80.0	ft	(880) Lanes On - Required		ft
(50A) Curb/Sidewalk Left Side - Width	7	ft	(879) Lanes On - Adequate	Y- Yes	
(50B) Curb/Sidewalk Right Side - Width	7	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