

STATE OF OHIO  
BRIDGE INSPECTION REPORT

Structure File Number: 4305647

Inventory Bridge Number: LAK-00283-0458 \_(4305647)

SR 283 over OVERFLOW FOR CHAGRIN  
RIV

Inspection Type: Routine

Inspection Date: 07/14/2020

District: 12

County: 43 - Lake

Place Code (FIPS): 23618

Bridge Type:

2 - Concrete continuous

01 - Slab

N- Not Applicable

Type of Service:

1 - Highway

Maintenance Responsibility:

01 - State Highway Agency

Inspection Responsibility:

01 - State Highway Agency

Routine Maintenance Responsibility:

04 - City or Municipal Highway Agency

Lead Inspector: Persanyi, Andre  
a

Reviewed by: Youssef Seif

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# Ohio Bridge Inspection Summary Report

**LAK-00283-0458 (4305647)**

2: District 12 23618 - EASTLAKE (LAK county)  
 21: Major Maint A/B 01 - State Highway Agency /  
 225 Routine Main A/B 04 - City or Municipal Highway /  
 Agency  
 221 Inspection A/B 01 - State Highway Agency /  
 220: Inv. Location LAK

5A: Inventory Route 1 00283  
 7: Facility On SR 283  
 6: Feature Ints OVERFLOW FOR CHAGRIN RIV  
 9: Location 3.15 MI E SR640

Condition	
<b>58: Deck</b>	<b>4 - Poor Condition</b>
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	N- Not Applicable
<b>59: Superstructure</b>	<b>4 - Poor Condition</b>
59.01 Paint & PCS	N - Not Applicable
<b>60: Substructure</b>	<b>5 - Fair Condition</b>
<b>61: Channel</b>	<b>7 - Bank protection needs minor repairs</b>
<b>61.01 Scour</b>	<b>7 - Good</b>
<b>62: Culverts</b>	<b>N - Not Applicable</b>
<b>67.01 GA</b>	<b>4</b>

Structure Type	
43: Bridge Type	2 - Concrete continuous 01 - Slab 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	N - None
414B: Joint Type 2	N - None
108A: Wearing Surface	6 - Bituminous N- Not Applicable
422: WS Date	09/11/2017
423: WS Thick (in)	2.0
482: Protective Coating	N - None or Not Applicable
483: PCS Date	
453: Bearing Type 1	0 - Other
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	4 - Spread Footing
533: Foundn: Abut Rear	4 - Spread Footing
536: Foundn: Pier 1	4 - Spread Footing
539: Foundn: Pier 2	0 - Other

Appraisal				
36: Rail, Tr, Gd, Term Std	0	0	1	1
72: Approach Alignment	8 - Equal to present desirable criteria			
113: Scour Critical	5 - Scour within limits of footing or piles			
71: Waterway Adequacy	7 - Slight Chance of Overtopping Bridge			

Geometric	
48: Max Span Length (ft)	17.0
49: Structure Length (ft)	51.0
52: Deck Width, Out-To-Out (ft)	39.5
424: Deck Area (sf)	2013.0
32: Appr Roadway Width (ft)	30.0
51: Road Width, Curb-Curb (ft)	30.0
50A: Curb/SW Width: Left (ft)	3.4
50A: Curb/SW Width: Right (ft)	3.4
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

Age and Service	
27: Year Built/ 106 Rehab	1932 /
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	2
29: ADT	13813
109: % Trucks (%)	6

Load Posting	
41: Op/Post/Closed	A - Open
70: Posting	5 - Equal to or above legal loads
70.01: Date	
70.02: Sign Type	
734: Percent Legal (%)	150
704: Analysis Date	07/01/1973
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections		
	Months	
90: Routine Insp.	12	07/14/2020
92A: FCM Insp.	N	
92B: Dive Insp.	N	
92C: Special Insp.	N	
92D: UBIT Insp.	N	
92E: Drone Insp.		
Inspector	Persanyi,Andrea	

**Inspector:** Andrea Persanyi  
**Inspection Date:** 07/14/2020

**Structure Number:** 4305647  
**Facility Carried:** SR 283

**Bridge Inspection Report**

**Location Map**

**Inspector:** Andrea Persanyi  
**Inspection Date:** 07/14/2020

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**Bridge Inspection Report**

**Executive Summary**

ODOT District: 12

# LAK-00283-0458\_(4305647)

Date Built: 07/01/1932

Major Maint: 01 - State Highway Agency

Facility Carried: SR 283

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: OVERFLOW FOR CHAGRIN RIV

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 23618 - EASTLAKE (LAK county)

Location: LAK

3.15 MI E SR640

Insp

Inspector Persanyi,Andrea

Inspection Date 07/14/2020

Reviewer Youssef Seif

Resp B:

## National Bridge Inventory

Status 1 - SD Sufficiency Rating 40.2

Identification	Inspections
----------------	-------------

(1) State Code	395 - Ohio	(90) Inspection Date	07/14/2020
(8) Structure File Number (SFN)	4305647	(91) Designated Inspection Frequency	12
(7) Facility Carried	SR 283	(92) Critical Feature Inspection	(93) CFI Date
(208) Route on the Bridge	10 - State (ODOT) (Toll Free)	A. Fracture Critical Detail	N
(2) Highway Agency District	12	B. Underwater Inspection	N
(3) County Code	43 - Lake	C. Other Special Inspection	N
(209) Interstate Mile Marker		D.01 Snooper Inspection	N
(201) Special Designation		E.01 Drone Inspection	

Condition
-----------

(4) Place Code (FIPS)	23618 - EASTLAKE (LAK county)	(58) Deck	4 - Poor Condition
(5) Inventory Route		(58.01) Wearing Surface	7 - Good (1% distress)
(A) Record Type On/Under Always "On"	1: Route carried "on" the structure	(58.02) Expansion Joint	N- Not Applicable
(B) Route Signing Prefix (Highway System)	3 - STATE HIGHWAY	(59) Superstructure	4 - Poor Condition
(C) Designated Level of Service (Highway Designation)	1 - MAINLINE	(59.01) Protective Coating System (PCS)	N - Not Applicable
(D) Route Number	00283	(60) Substructure	5 - Fair Condition
(E) Directional Suffix	0 - NOT APPLICABLE	(61) Channel & Channel Protection	7 - Bank protection needs minor repairs
(6) Features Intersected	OVERFLOW FOR CHAGRIN RIV	(61.01) Scour	7 - Good
(9) Location	3.15 MI E SR640	(62) Culvert	N - Not Applicable
(11) Milepoint	04.580	(67.01) General Appraisal	4 - Poor Condition (advanced deterioration)
(12) Base Highway Network	Inventory Route is not on the Base Network		
(13A) LRS Inventory Route			
(13B) Subroute Number			
(16) Latitude	41.66690 Degrees		
(17) Longitude	-81.42566 Degrees		
(16.01) Latitude - Ohio	41.666899		
(17.01) Longitude - Ohio	-81.425663		
(98A) Border Bridge State Code			
(98B) Border Bridge State Percent Responsibility			
(99) Border Bridge Struct No.			

ODOT District: 12

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Feature Inters: OVERFLOW FOR CHAGRIN RIV

Traffic Under: 5 - Waterway

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 23618 - EASTLAKE (LAK county)

Location: LAK

3.15 MI E SR640

Insp Resp B:

Inspector Persanyi,Andrea

Inspection Date 07/14/2020

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#### Structure Type and Material

#### Load Rating and Posting

(43) Main Structure Type A. 2 - Concrete continuous  
 B. 01 - Slab  
 C. N- Not Applicable

(31) Design Load 2 - H 15  
 (63) Operating Rating Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.  
 (64) Operating Rating Factor 1

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

(65) Inventory Rating Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.  
 (66) Inventory Rating Factor 0.8  
 (41) Structure Open, Posted, or Closed to Traffic A - Open

(45) Number of Spans in Main Unit 3

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

(46) Number of Approach Spans 0

(70.01) Date Posted

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

(70.02) Posted Sign Type

(107.01)

(70.03) Posted Weight

(108B) External Deck Protection N - NA

(108C) Internal Deck Protection N - NA

(422) Wearing Surface Date 09/11/2017

(108A) Wearing Surface Type 6 - Bituminous

#### Appraisal

(108A.01) N- Not Applicable

(67) Structural Evaluation 4 - Meets minimum tolerable limits

(423) Wearing Surface Thickness 2.0 in

(68) Deck Geometry 3 - Intolerable - high priority of corrective action

(483) Protective Coating System Date

(69) Underclearances, Horizontal and Vertical N - Not applicable

#### Age of Service

(27) Year Built 1932

(71) Waterway Adequacy 7 - Slight Chance of Overtopping Bridge

(263) Date Built 07/01/1932

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

(106) Year Reconstructed

(36) Traffic Safety Feature

(264) Major Reconstruction Date

A. Bridge Railings: 0 - Does not meet acceptable standards/safety feature is required

(42) Type of Service On 1 - Highway

B. Transitions: 0 - Does not meet acceptable standards/safety feature is required

Under 5 - Waterway

C. Approach Guardrail 1 - Meets acceptable standards

D. Approach Guardrail Ends 1 - Meets acceptable standards

(28) Lanes On 02 Under 00

(113) Scour Critical 5 - Scour within limits of footing or piles

(29) Average Daily Traffic 13813 (30) ADT Yr. 2015

(109) Truck Percentage 6 % Truck

(114) Future Avg Daily Traffic 19172 (115) Future ADT Yr. 2038

(19) Bypass Detour Length 2 mi.

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Traffic Under: 5 - Waterway

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 23618 - EASTLAKE (LAK county)

Location: LAK

3.15 MI E SR640

Insp Resp B:

Inspector Persanyi,Andrea

Inspection Date 07/14/2020

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Classification	Geometric Data
----------------	----------------

(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

(48) Longest Span 17.0 Ft.

(49) Structure Length 51.0 Ft.

(50A) Curb/Sidewalk Left Side - Width 3.4 Ft.

(50B) Curb/Sidewalk Right Side - Width 3.4 Ft.

(51) Brdg Roadway Width Curb-to-Curb 30.0 Ft.

(52) Deck Width, Out-to-Out 39.5 Ft.

(32) Approach Roadway Width 30.0 Ft.

(33) Bridge Median 0 - No median

(34) Skew 0 Deg.

(35) Structure Flared 0 - No flare

Clearances
------------

(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

(10) Practical Maximum Vertical Clearance 99 Ft.

(53) Minimum Vertical Clearance Over Bridge Roadway 99 Ft.

(47) Total Horizontal Clearance (Inventory Route) 30 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

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.

### Inventory Route Clearances

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

NBI 005D: Route No. 00283

	<u>Cardinal</u> <u>Direction</u>		<u>Non-Cardinal</u> <u>Direction</u>	
(336) Minimum Vertical Clearance on IR	99	Ft.	0	Ft.
(335) Minimum Horizontal Clearance on IR	30	Ft.	0	Ft.



## Ohio Bridge Inventory

<b>General</b>
----------------

(203) Bridge Name (Dedicated Name)	
(204) Ohio Designated MPO	08 - NOACA (Cleveland)
(205) Route Number Extension	
(206) Inventory Preferred Route	NP - Non Preferred Route
(5.01) Priority System Code (Inventory Route)	
(213) NLF_ID Inventory Route	SLAKSR00283**C
(218) Major Bridge	N - No
(220) Inventory Location	LAK
(226) Seismic Susceptibility	N - not applicable
(227) GASB	Y - Yes
(236) Future Traffic Factor	1.388
(245) Aperture Cards Fabrication	2 - No
(246) Aperture Cards Original	2 - No
(247) Aperture Cards Repair	2 - No
(248) Original Construction Project Number	UNKNWN
(251) Standard Drawing Number	
(252) Microfilm Reel Number	LAK003
(261) Bridge Remarks	

LAK-00283-04580-

(265) Electric Line Present	U - Unknown
(266) Gas Line Present	U - Unknown
(269) Sanitary Sewer Present	U - Unknown
(306) NBIS Bridge Length	51
(207) Route Under the Bridge	99

<b>Inventory Route Clearances</b>
-----------------------------------

<u>Inventory Route</u>	<u>Cardinal</u>	<u>Non-Cardinal</u>	
(336) Minimum Vertical Clearance	99	0	ft.
(335) Minimum Horizontal Clearance	30	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	07/01/1973
(708) Load Rating Software	1 - BARS
(709) Rating Source	1 - Plan information available for load rating analysis (Default)

**Inspection Access**

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

<b>Deck &amp; Approach</b>
----------------------------

(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	7 - Steel Guardrail on Steel, Concrete or Timber Posts	
(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	N - The bridge does not include this feature	
(432) Fence Height on Bridge	0	
(433) Glare Screen	N - The bridge does not include this feature	
(434) Noise Barrier Walls	N - The bridge does not have Noise Barrier Walls	
(424) Deck Area	2013.0	
(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)	

<b>Substructure</b>
---------------------

(526) Abutment Forward Type	1 - Gravity	
(527) Abutment Forward Material Type	2 - Concrete	
(528) Abutment Forward - Foundation Type	4 - Spread Footing	
(531) Abutment Rear Type	1 - Gravity	
(532) Abutment Rear Material Type	2 - Concrete	
(533) Abutment Rear - Foundation Type	4 - Spread Footing	
(534) Pier 1 (Predominate) Type	1 - Gravity	
(535) Pier 1 (Predominate) Material	2 - Concrete	
(536) Pier 1 Type - Foundation Type	4 - Spread Footing	
(537) Pier 2 Type	N - None	
(538) Pier 2 Material	N - None	
(539) Pier 2 Type - Foundation Type	0 - Other	
(547) Slope Protection Type	N - None	

<b>Superstructure</b>
-----------------------

(711) Live Load Response	S - Satisfactory	
(468) Hinges/Pins/Hangers Type	N - Not Applicable (structures with no hinges)	
(409) Deck Drainage Type	1 - Over the side (without drip strip)	
(411) Deck Concrete Type	U - Unknown	
	A	B
(414) Expansion Joint Type	N - None	N - None
		C
(301) Horizontal Curve Degree	5	
(453) Bearing Device 1, Type	0 - Other	
(455) Bearing Device 2, Type	N - None	
(465) Framing Type	N - None or Not Applicable	
(466) Haunched Girder	N - Bridge does not contain a haunched girder	
(467) Haunched Girder Depth	0	
(474) Main Structure System	N - Not Applicable (i.e. Culvert, Beam, Slab, etc.)	
(475) Main Member Type	0 - Other (Concrete Rigid Frame)	
(482) Protective Coating System Type	N - None or Not Applicable	
(487) Structural Member Steel Type	N - None	
(498) Protective Coating System Surface Area	0	
(499) Structural Steel Paint	N - None (i.e. steel = A588, unpainted)	
(478) Post Tensioned Main Member Code	N - Bridge is not Post Tensioned	

<b>Culvert and Waterway</b>
-----------------------------

(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	N - None	
(663) Stream Velocity	7.5	
(672) pH		

Inspector: Andrea Persanyi  
 Inspection Date: 07/14/2020

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Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>38 - Reinforced Concrete Slab</b>	3 - Mod.	2184	sq. ft.	1981	76	127	0
510 - Wearing Surfaces		1144	sq. ft.	1134	10	0	0
<b>210 - Reinforced Concrete Pier Wall</b>	3 - Mod.	84	ft.	61	19	4	0
<b>215 - Reinforced Concrete Abutment</b>	3 - Mod.	84	ft.	70	7	7	0
<b>330 - Metal Bridge Railing</b>	3 - Mod.	104	ft.	0	104	0	0
<b>815 - Drainage</b>	3 - Mod.	2	each	2	0	0	0
<b>840 - Approach Slab: Termination or Joint</b>	3 - Mod.	60	ft.	60	0	0	0

ODOT District: 12

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Traffic On: 1 - Highway

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Routine Maint: 04 - City or Municipal Highway  
Agency

Feature Inters: OVERFLOW FOR CHAGRIN  
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Traffic Under: 5 - Waterway

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FIPS Code: 23618 - EASTLAKE (LAK county)

Location: LAK

3.15 MI E SR640

Resp A:

Insp

Resp B:

Inspector

Persanyi,Andrea

Inspection Date 07/14/2020

Reviewer Youssef Seif

### **Inspector Comments - Deck and Approach**

#### **Deck**

##### **Floor/Slab (SF)**

See Slab Comments

##### **Edge of Floor/Slab (LF)**

Heavy deterioration / many deep spalls with 25' of 360° exposure of transverse & longitudinal rebar of bottom mat. Some spalls encroach into left sidewalk surface.

##### **Curbs/Sidewalk (LF)**

Cracks, spalls, scaling. Area of heavy deterioration at rear-left.

##### **Bridge Railing (LF)**

Consecutive post anchors exposed due to deck edge spalls. Rusting section loss to lower guardrail panels.

#### **Approach**

##### **Approach Slab (SF)**

Paved over with asphalt.

##### **Approach Embankment (EA)**

Erosion rut behind rear-left wingwall.

##### **Approach Guardrail (EA)**

Collision damage with missing spacer to forward-right.

##### **Signs (EA)**

No bridge end markers.

### **Inspector Comments - General Appraisal**

#### **Superstructure**

##### **Slab (SF)**

Many mottled areas. Leaching cracks with stalactites. Spalls, some with exposed rebar, under traveled lanes. Rust stains, many delams.

#### **Substructure**

**Abutment Walls (LF)**

Spalls, some with exposed rebar. Full height vertical cracks. Other leaching cracks.

**Pier Walls (LF)**

Leaching cracks. Spalls. minor delams. Honeycombing. Heavy concrete deterioration of pier ends.

**Wingwalls (EA)**

Cracks, spalls.

**Substructure Scour (EA)**

*NOTE: Water is stagnant in all spans. no flow when river is not in flood stage.*

**Culvert**

**Inspector Comments - Waterway**

**Waterway Adequacy**

**Channel**

**Scour Critical**

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Location: LAK

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Resp A:

Insp

Resp B:

Inspector

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**Under Records**



**Inspector:** Andrea Persanyi  
**Inspection Date:** 07/14/2020

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**Bridge Inspection Report**

**Channel Measurement**

Date of Channel Measurements:

Distance Measured From:

Depth Measured From:

Number of Measurement Points Taken:

Number of Fixed Objects in Channel:

Water Level:

High Water Mark:

Measurement Type:







**Inspector:** Andrea Persanyi  
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**Bridge Inspection Report**

**Pictures**

**Inspector:** Andrea Persanyi  
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**Bridge Inspection Report**

**Sketches**

ODOT District: 12

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Resp B:

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### Summary Recommendations

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### Governing Members

ODOT District: 12

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Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: OVERFLOW FOR CHAGRIN RIV

Traffic Under: 5 - Waterway

Insp: 01 - State Highway Agency

FIPS Code: 23618 - EASTLAKE (LAK county)

Location: LAK

3.15 MI E SR640

Resp A:

Insp

Resp B:

Inspector

Persanyi,Andrea

Inspection Date 07/14/2020

Reviewer Youssef Seif

### Complex Bridge Superstructure Comments



## Historic Bridge Data

### Status

(8) Structure File Number (SFN)	4305647	(37) Historical Significance Code	5 - Not eligible
(826) NR Recommendation		(837) Historical District	
(840) Historical National Register Listed		(834) Reviewed By	
(850) In Management Plan (2009)	N- No		

### Identification

(825) Historical Bridge Name	(7) Facility Carried	SR 283	
(22) Owner	01 - State Highway Agency	(6) Feature Intersected	OVERFLOW FOR CHAGRIN RIV
(4) Place Code (FIPS)	23618 - EASTLAKE (LAK county)	(5) Inventory Route	
(3) County (Parish) Code	43 - Lake	(B) Route Signing Prefix	3 - STATE HIGHWAY
(2) Highway Agency District	12	(D) Route Number	00283
(9) Location	3.15 MI E SR640	(16) Latitude at Rear Abutment	41.66690 degrees
(883) UTM		(17) Longitude at Rear Abutment	-81.42566 degrees

### Structural Information

(43) Main Structure Type	2 - Concrete continuous	01 - Slab	N- Not Applicable	(827) Historical Year Built	1932
(828) Historical Bridge Type				(836) Historical Data Source	
(49) Structure Length	51.0	ft		(831) Historical Builder	192
(45) No. of Main Spans	3			(842) Historical Bridge Designer	126
(407) Bridge Railing Type	7 - Steel Guardrail on Steel, Concrete or Timber Posts			(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)	13813
(104) Highway System of the Inventory Route	0 - Structure/Route is NOT on NHS	(30) Year of ADT	2015
(71) Waterway Adequacy	7 - Slight Chance of Overtopping Bridge	(109.01) Avg. Daily Truck Traffic (ADTT)	829
		(102) Direction of Traffic	2-way traffic

### Historical Significance

(843) Historical Setting/Context

(844) Historical Physical Description

(845) Historical Integrity

(846) Historical Significant Description

The bridge is an excluded bridge type that has been recommended not eligible based on the context of its type/design and date of construction.

(847) Historical Bridge Remarks

(860) Justification

<b>Capacity</b>
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(51) Bridge Rdwy Width Curb-Curb	30.0	ft	(66) Inventory Rating Load	0.8	
(873) Bridge Rdwy Width Required		ft	(64) Operating Rating Load	1	
(872) Bridge Rdwy Width Adequare	Y		(878) Inventory Rating Load - Required		
(32) Approach Rdwy Width	30.0	ft	(877) Inventory Rating Load - Adequate	Y	
(841) Bridge Wider	N		(28) Lanes On	02	
(52) Deck Width Out-Out	39.5	ft	(880) Lanes On - Required		ft
(50A) Curb/Sidewalk Left Side - Width	3.4	ft	(879) Lanes On - Adequate	Y- Yes	
(50B) Curb/Sidewalk Right Side - Width	3.4	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

<b>Preservation Potential</b>
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(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

