

Unit of Measure: **English**  
 Structure File Number: 4301358  
 Sufficiency Rating: 078.8 fo

**Bridge Inventory Information**

Report Date: 08-26-2013 BM-191 Page: 1 of 2

Inventory Bridge Number: LAK 00002 1428

BR. Type: STEEL/BEAM/CONTINUOUS

**SINGLE RT UNDER STRUCTURE CR 335 (NEWELL ST)**

Date of Last Inventory Update: 11/9/2012

District: 12	County: LAKE	(101) Location: 0.48 MI W OF JCT SR 283	(102) Facility Carried: NEWELL ST
(2) FIPS Code: PAINESVILLE TWP		(103) Route On Bridge: COUNTY	(104) Route Under Bridge: STATE (ODOT)
(9) Direction of Traffic: 2-WAY TRAFFIC	(10) Temporary: N	(11) Truck Network: N	(12) Parallel: N
		(100) Type Serv: (On): HIGHWAY	(Under): HIGHWAY, WITH OR WITHOUT PEDESTRIAN

Inventory Route Data			
(3) Route On/Under: SINGLE RT UNDER STRUCTUR	Hwy Sys: STATE HIGHWAY		
Route No: 00002	Dir:	Des: MAINLINE	Pref:
(4) Feature Inspected: CR 335 (NEWELL ST)			
(5) County: LAK	Mileage: 1428	Special Desig:	
(6) Avg. Daily Traffic(ADT): 35,360		(7) ADT Year: 2011	
(8) Truck Traf: 1,880	(14) NHS: NON-NHS BRG E	(15) Corridor: N	
(16) Functional Class: OTHER FREEWAY OR EXPRESSWAY-	(19) Strahnt: Not Applicable (Not a Strahnet Brid		

(63) Main Spans Number: 4	Type: STEEL/BEAM/CONTINUOUS		
Approach Spans Number: 0	Type: NONE/NONE/NONE		
Total Spans: 4	(65) Max Span: 70 Ft		(66) Overall Leng: 243 Ft
(70) Substructure	(71) Foundation and Scour Information		
Abut-Rear	Matl: CONCRETE	Type: STUB GRAVITY	Fnd: SPREAD FOOTING
Abut-Fwd	Matl: CONCRETE	Type: STUB GRAVITY	Fnd: SPREAD FOOTING
Pier-Pred	Matl: CONCRETE	Type: CAPPED COLUMN	Fnd: SPREAD FOOTING
Pier-Other	Matl: NONE	Type: NONE	Fnd: OTHER
Pier-Other	Matl: NONE	Type: NONE	Fnd: OTHER
No of Piers Predominate: 03	Other: NN		Other: NN
(86) Stream Velocity: NNN	(74) Scour: BRIDGE NOT OVER WATERWAY		
(189) Dive: N Freq: 0	Probe: N Freq: 0		(75) Chan Prot: N/A
(189) Date of last Dive Insp:	(152) Drainage Area: NNN Sq Mi		

Intersected Route Data			
(22) Route On/Under: ROUTE CARRIED BY STRUCT	Hwy Sys: COUNTY/TOWNSHIP HIGHW		
Route No: 00335	Dir:	Des: 1	Pref:
(23) Feature Intersected: SR 2			
(24) County: LAK	Mileage: 0091	Special Desig:	
(25) Avg. Daily Traffic(ADT): 1,000		(26) ADT Year: 2002	
(27) Truck Traf: 0	(28) NHS: NON-NHS BRG EXC	(29) Corridor: N	
(30) Functional Class: COLLECTOR-URBAN	(36) Strahnt: Not Applicable (Not a Strahnet Brid		

Clearance Under the Bridge			
(156) Min. Horiz Under Clear:	NC: 0.0 Ft		Card: 28.0 Ft
(157) Prac Max Vrt Under Clear:	14.8 Ft		
(77) Min Vert Under Clear:	NC: 14.8 Ft		Card: 14.8 Ft
(78) Min Lat Under Clear:	NC: 13.0/30.0 Ft		Card: 30.0/13.0 Ft

Clearance On the Bridge			
(154) Min. Hriz on Bridge:	NC: 67.0		Card: 67.0 Ft
(155) Prac Max Vert On Brq:	9999.9 Ft		
(67) Min Vrt Clr On Brq:	NC: 0.0		Card: 9999.9 Ft
(80) Min Latl Clr:	NC: 0.0/0.0 Ft		Card: 4.0/7.0 Ft
(81) Vrt Clr Lft:	0.0 Ft		

Load Rating Information		(88-89) Appraisal
(48) Design Load: H/20		(Including calculated Items)
Opr Rat Fact: 1.250 LD: HS20 LOADING		
Inv Rat Fact: 1.000 LD: HS20 LOADING		
(83) Ohio Percent of Legal Load: 150		(88) Waterway Adequacy: N
Year of Rating: 1973		(89) Approach Alignment: 8
(84) Analysis: LOAD FACTOR (LF)		Calc Gen Appraisal: 6
(85) Rate Soft: BARS		Calc Deck Geometry: 4
Analysis on Bars: LOAD FACTOR ANALYSIS		Calc Underclearance: 3
PE#: 0		

Structure Information			
(38) Bypass Length: 02 Miles			
(39) Latitude: 41 Deg 43 Min 32.52 Sec	Longitude: 81 Deg 16 Min 08.60 Sec		
(40) Toll: ON FREE ROAD			
(41) Date Built: 7/1/1963	(42) Major Rehabilitation:		
(43) No. Lanes On: 2	No. Lanes Under: 4		
(44) Horiz Curve:	(45) Skew: 0 Deg		
(49) App. Rdw Width: 24 Ft	(50) Brq. Rdw Width: 24.0 Ft		
(51) Deck Width: 37.3 Ft	Deck Area: 9074 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 2.2 Ft	(right) 5.2 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: CONCRETE	Type: SAFETY CURB(<=2')		
(Right) Matl: CONCRETE	Type: SAFETY CURB(<=2')		
(56) Flared: N	(57) Composite: N - NON_COMPOSITE		
(58) Railing: REINF CONCR SAFETY CURB&PRPT W.ALUM RAIL			
(59) Deck Drainage: SCUPPERS & DWNSPTS			
(60) Deck Type: REINF CONCRT (PRESTRSD, PRECAST			
(61) Deck Protection: External: NONE			
Internal: EPOXY COATED REINFORCING (TOP)			
(62) Wearing Surface: LATEX MODIFIED CONCRETE OVERLAY			
Thickness: 1.2 in	(119) Date of Wearing Surface: 7/1/1983		
Slope Protection: CONCRETE (CAST-IN-PLACE)			

Approach Information	
(109) Approach Guardrail: STEEL BEAM	
(110) Approach Pavement: BITUMINOUS	(111) Grade: GOOD

Culvert Information	
(131) Culvert Type: NONE/NOT APPLICBLE	(127) Length: 0.0 Ft
(129) Depth of Fill: 0.0 Ft	(130) Headwalls: NONE

General Information			
(121) Main Member: ROLLED STEEL		(122) Moment Plate: NONE	
(169) Expansion Joint: SLIDING METAL PLATE ANGLE			
(124) Bearing Devices: ROCKERS			
(126) Navigation: Control-X	Vert Clr: 0.0 Ft	Horiz Clear: 0.0 Ft	
(193) Spec Insp: N	Freq: 0	Date:	
(188) Fracture Critical Insp: N	Freq: 0	Date:	
(138) Long Member: NOT APPLICABLE		(135) Hinges: NOT APPLICABLE	
(141) Structural Steel Memb: UNKNOWN		(139) Framing:	
		Railing: U	
Pay Wt: 0 pounds	Prime Loc: FIELD	Paint: OTHER	
Bridge Dedicated Name:			

Unit of Measure: **English**  
 Structure File Number: 4301358  
 Sufficiency Rating: 078.8 fo

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**SINGLE RT UNDER STRUCTURE CR 335 (NEWELL ST)**

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**BR. Type: STEEL/BEAM/CONTINUOUS**  
 Date of Last Inventory Update: 11/9/2012

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC		(69) NBIS: Y		(142) Fabricator: FT PITT BRIDGE			
(---) Hist Builder:		Hist Build Year:		(143) Contractor: ALLEGHENY CONT			
(69) Hist Type:				(144) Ohio Original Construction Project No: 025461			
(161) Special Features (see below):				(---) Microfilm Reel: LAK011			
(105) Border Bridge State: Resp: %(106) SFN:				(151) Standard Drawing:			
Proposed Improvements		Programming Info		Aperture Cards: Orig: Y Repair: Y Fabr: Y			
(90) Type Work: -		PID Number: 24170		Plan Information Available: 1 PLAN INFORMATION AVAILABLE			
(90) Length: Ft		PID Status: IA-OTHER		(153) Repair Projects:			
(90) Bridge Cost (\$1000s):		PID Date: 5/1/2003		1) / 020		2) 830355 / 044	
(90) Roadway Cost (\$1000s):				4) / 020		5) 890323 / 044	
(90) Total Project Cost (\$1000s):		(90) Year:		7) / 039		3) 860598 / 020	
(91) Future ADT (On Bridge): 57297		(92) Year of Future ADT: 2033				6) / 043	
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	6	Railings:	MEETS CURRENT STANDARDS	(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	6	Transitions:	DOES NOT MEET CURRENT STANDARD	Gas:	U	Fencing:	Y
(I-42) Substructure:	6	Guardrail:	MEETS CURRENT STANDARDS	Sanitary Sewer:	U	Glare-Screen:	N
(I-50) Culvert:		Rail Ends:	MEETS CURRENT STANDARDS	Telephone:	U	Splash-Guard:	N
(I-54) Channel:		In Depth:	NONE N/A	TV Cable:	U	Catwalks:	N
(I-60) Approaches:	6	Fracture Critical:	NONE N/A	Water:	U	Other-Feat:	U
(I-66) General Appraisal:	6	Scour Critical:	NONE N/A	Other:	U	(184) Signs-On:	N
(I-66) Operational Status:	A	Critical Findings:	NONE N/A			Signs-Under:	N
Inspection Date:	5/31/2013	Insp. Update Date:	8/16/2013			(162) Fence-Ht:	0.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: LAK - 00002 - 1428 -			
SFNs That were replaced by this bridge: -				INT Field Bridge Marker: LAK - 00335 - 0091 -			
This bridge was retired and copied to:							
The bridge was copied from:							
(95) Insp: OHIO TRAN DEPT		2nd: NONE	3rd: NONE				
(96) Maint: OHIO TRAN DEPT		2nd: NONE	3rd: NONE				
(97) Routine: OHIO TRAN DEPT		2nd: NONE	3rd: NONE				

**PONTIS CoRe elements and Conditions States**

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
12	CONCRETE DECK - BARE	0		0	0	0	0	0
26	CONCRETE DECK - PROTECTED W/COATED BARS	1		0	0	0	0	0
107	PAINTED STEEL OPEN GIRDER	0		0	0	0	0	0
205	REINFORCED CONC COLUMN OR PILE EXTENSION	0		0	0	0	0	0
215	REINFORCED CONC ABUTMENT	75		0	0	0	0	0
234	REINFORCED CONC CAP	112		0	0	0	0	0
304	OPEN EXPANSION JOINT	75		0	0	0	0	0
311	MOVEABLE BEARING (ROLLER, SLIDING, ETC.)	0		0	0	0	0	0
321	REINFORCED CONCRETE APPROACH SLAB	2		0	0	0	0	0
333	MISCELLANEOUS - BRIDGE RAILING	486		0	0	0	0	0

(\*) Percentages should add to 100%