



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

<b>SFN</b>	<b>BRIDGE NUMBER</b>		<b>DISTRICT</b>						
1830783	Miles Road 1210		12						
<b>ORIGINAL CONSTRUCTION YEAR</b>	<b>REHABILITATION YEAR</b>	<b>OVERALL STRUCTURE LENGTH</b>	<b>FEATURE INTERSECTED</b>						
1915	1978	89 ft	Chagrin River						
<b>SPECIAL ASSUMPTIONS &amp; COMMENTS</b>	Chapter 14 of ACI 318 was utilized to determine the axial and flexural capacities. Legal Load Factors per Ohio BDM 2007 (2004) were used for ratings.								
<b>PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON</b>									
<b>LOAD RATING PURPOSE:</b>	1 - Initial Load Rating								
<b>(708) LOAD RATING SOFTWARE:</b>	7 - Combination								
<b>SOFTWARE VERSION:</b>									
<b>(709) RATING SOURCE:</b>	1 - Plan information available for load rating analysis								
<b>(63)(65) RATING METHOD:</b>	8 - Load & Resistance Factor Rating (LRFR) reported by rating factor (RF)								
<b>(31) ORIGINAL DESIGN LOADING:</b>	0 - Unknown								
<b>STRUCTURE RATING SUMMARY</b>									
<b>OHIO LEGAL VEHICLES</b>									
<b>Loading Type</b>	<b>GVW (Tons)</b>	<b>Operating Rating RF</b>	<b>Legal Weight (Tons)</b>						
2F1	15	1.699	15.00						
3F1	23	1.290	23.00						
4F1	27	1.196	27.00						
5C1	40	1.524	40.00						
<b>DESIGN VEHICLE</b>									
<b>Loading Type</b>	<b>Operating Design - RF</b>								
	<b>Operating</b>	<b>Inventory</b>							
HL93 Loading	1.158	0.844							
<b>Overall Legal Posting Rating</b>		85%							
<b>Posting Recommendation</b>		EV Posting Recommended							
<b>SPECIALIZED HAULING VEHICLES (SHV)</b>									
SU4	27	1.179	27.00						
SU5	31	1.130	31.00						
SU6	34.75	1.067	34.75						
SU7	38.75	1.001	38.75						
<b>EMERGENCY VEHICLES (EV)</b>									
<i>Check box if this is an NBI bridge</i> <input checked="" type="checkbox"/>									
EV2	28.75	1.233	28.75						
EV3	43	0.854	36.72						
<b>Sign Posting Recommendation:</b>		<table border="1" style="margin: auto;"> <tr><td colspan="2" style="text-align: center;">EMERGENCY VEHICLE WEIGHT LIMIT</td></tr> <tr><td style="text-align: center;">2 AXLE</td><td style="text-align: center;">29 T</td></tr> <tr><td style="text-align: center;">3 AXLE</td><td style="text-align: center;">37 T</td></tr> </table>		EMERGENCY VEHICLE WEIGHT LIMIT		2 AXLE	29 T	3 AXLE	37 T
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<b>AGENCY/FIRM/OFFICE</b>		<b>REPORT DATE:</b>	1/29/2019						
<b>RATED BY</b>	<b>PE NUMBER</b>	<b>PHONE NUMBER</b>	<b>EMAIL</b>						
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