



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN (SNBI Bridge Number)	Ohio Bridge Number (Bridge Asset Name)	District	GPS Coordinates	
			LATITUDE:	LONGITUDE:
3108678	HAM-00074-1335	8	39.186622	-84.627992
Original Year Built	Year Re-built	Total length	Structure Type XXX	Feature Intersected
1969	N/A	252 ft	402	IR 74

SPECIAL ASSUMPTIONS & COMMENTS

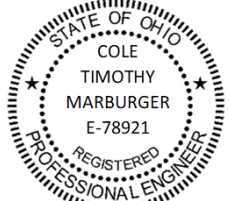
Modeled from original plans (1965), ODOT standard drawings, and inspection records.

4-Span Continuous (49'-0", 69'-6", 73'-0", 58'-0" c/c brgs) steel beams with non-composite reinforced concrete deck on a tangent alignment. Deterioration of Beams 1 & 2 included per inspection notes, Superstructure GA = 5.

Wearing surface of 2.0" thick (Integral Concrete) included per NBIS records.

Minimum Legal Rating = 1.460, Live Load = SU7, Member =B2 (Interior) @ Span 1 - (40.0%) (19.6ft along the member) :
Limit State = SERVICE-II Steel Flexure Stress

Please type or select on right using drop down arrow

Load Rating Purpose:	8 - Update Analysis Model and Software	<i>Sealed by:</i> Cole Marburger  <i>Cole Marburger</i>
Bridge Appraisal Rating (0-9):	5	
Load rating Software:	3 - AASHTO BrR	
Software version:	7.4.1.3001	
Routine Permit Load (RPL):	N - Agency does not issue routine permits	
Rating Source:	1 - Plan information available for load rating analysis	
Load Rating Method:	LRFR - Load & Resistance Factor Rating (RF) - Code 8	
Design Loading:	4 - H20	

STRUCTURE RATING SUMMARY

OHIO & AASHTO LEGAL VEHICLES					DESIGN AND OPERATING RATINGS					
Legal Load	GVW (Tons)	No of Axles	Rating Factor RF	Safe Weight (Tons)	Loading Type	Rating by RF				
						Inventory	Operating			
2F1	15	2	3.017	15.00	HL93 Loading	1.092	1.415			
3F1	23	3	2.086	23.00	Recommendation No Load Posting is Recommended Sign Posting Recommendation:	No Load Posting is Recommended				
5C1	40	5	2.137	40.00						
Type 3	25	3	2.119	25.00						
Type 3-3	40	6	2.341	40.00						
Type 3S2	36	5	2.134	36.00						
SPECIALIZED HAULING VEHICLES (SHV)										
SU4/4F1	27	4	1.847	27.00						
SU5	31	5	1.698	31.00						
SU6	34.75	6	1.547	34.75						
SU7	38.75	7	1.460	38.75						
EMERGENCY VEHICLES (EV)					Permit Load (PL) Analysis **					
Check box if rating for EV3 <input checked="" type="checkbox"/>					Loading Type	GVW (Tons)	No of Axles	Rating Factor	Calculated Load (Tons)	
EV2	28.75	2	1.808	28.75	PL 60T	60	6	2.855	171.30	
EV3	43	3	1.199	43.00	PL 65T	65	7	2.308	150.02	
Controlling Legal Load RF					146%		1.46		PL Analysis Method	
					Load & Resistance Factor Rating (LRFR)					

AGENCY/FIRM/OFFICE		Gannett Fleming				
	Name	PE Number	Phone Number	Email	Report Date:	2024-04-19
Rated By	KHP		ODOT			
Reviewed By	Cole Marburger	78921	(614) 794-9424	cmarburger@gfnet.com		

** ODOT bridges to be analyzed for permit trucks by policy.
 Analysis for permit trucks is optional for non-ODOT bridges and at owner's discretion.

BR-100 (01/2024)