



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:
3103064	HAM-00050-1980R	8	39.100507	-84.532626
Original Year Built	Year Re-built	Total length	Structure Type XXX	Feature Intersected
1966	N/A	784 ft	402	NSRR;CSRR;LINN STREET
SPECIAL ASSUMPTIONS & COMMENTS	Modeled from original plans (1962), rehab plans (2010), and other plans (1992), ODOT standard drawings, and inspection records.			
	Eight-Span (64'-1.375", 80'-4.4375", 64'-3.1875" 122'-1.625", 148'-2.0625", 130'-11.75", 99'-7.375", 69'-11.4375 c/c brgs) steel beams with composite reinforced concrete deck on a curved alignment. (Two units, spans 1-3 and 4-9 modeled as separate superstructures)			
	Wearing surface of 2.50" thick integral concrete included per PLANS.			
	Minimum Legal Rating = 2.314, Live Load = SU7, Member = B3 (Interior (Span 1-3)) @ Span 1 - (40.0%) (25.52ft along the member) : Limit State = STRENGTH-I 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> Vincent Traini	 <i>Vincent Traini</i>
Bridge Appraisal Rating (0-9):	7			
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:	5 - HS20			
STRUCTURE RATING SUMMARY				
OHIO & AASHTO LEGAL VEHICLES				
Legal Load	GVW (Tons)	No of Axles	Rating Factor RF	Safe Weight (Tons)
2F1	15	2	5.073	15.00
3F1	23	3	3.451	23.00
5C1	40	5	2.713	40.00
Type 3	25	3	3.427	25.00
Type 3-3	40	6	2.704	40.00
Type 3S2	36	5	2.896	36.00
SPECIALIZED HAULING VEHICLES (SHV)				
SU4/4F1	27	4	3.029	27.00
SU5	31	5	2.752	31.00
SU6	34.75	6	2.490	34.75
SU7	38.75	7	2.314	38.75
DESIGN AND OPERATING RATINGS				
Loading Type		Rating by RF		
		Inventory	Operating	
HL93 Loading		1.181	1.531	
Recommendation		No Load Posting is Recommended		
Sign Posting Recommendation:				
EMERGENCY VEHICLES (EV) Check box if rating for EV3 ☒				
EV2	28.75	2	3.261	28.75
EV3	43	3	2.160	43.00
Permit Load (PL) Analysis **				
Loading Type	GVW (Tons)	No of Axles	Rating Factor	Calculated Load (Tons)
PL 60T	60	6	3.259	195.54
PL 65T	65	7	2.945	191.43
Controlling Legal Load RF				
		150%	1.50	
PL Analysis Method				
		Load & Resistance Factor Rating (LRFR)		
AGENCY/FIRM/OFFICE		Gannett Fleming		
	Name	PE Number	Phone Number	Email
				Report Date:
				2024-02-16
Rated By	Isabella Puleo		(614) 794-9424	ipuleo@gfnet.com
Reviewed By	Vincent Traini	84491	(614) 794-9424	vtraini@gfnet.com

** ODOT bridges to be analyzed for permit trucks by policy.

BR-100 (01/2024)

Analysis for permit trucks is optional for non-ODOT bridges and at owner's discretion.