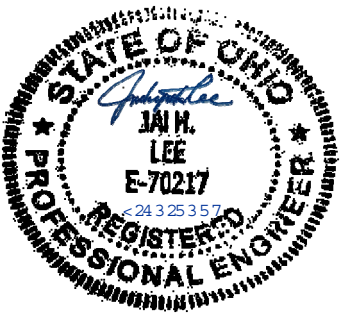




BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN (SNBI Bridge Number)	Ohio Bridge Number (Bridge Asset Name)	District	GPS Coordinates						
			LATITUDE:	LONGITUDE:					
4564014	LIC-KEYST-0010	5	39.99526944	-82.67106667					
Original Year Built	Year Re-built	Total length	Structure Type XXX	Feature Intersected					
1994	-	92 ft	605	SOUTH FORK OF LICK RIVER					
SPECIAL ASSUMPTIONS & COMMENTS	This rating represents the previous load rating done by Omar Abu-Hajar of ODOT in 2019 updated for new vehicle loads. No other changes have been made to the previous load rating.								
	The source of this load rating is from original plans dated 1990 and recent inspection reports. Three span non-composite prestressed box beam superstructure comprised of nine B17-48 boxes. Roadway width = 32' with 4' wide sidewalk. Asphalt wearing surface thickness = 4". No skew. 3 of 11 strands have been excluded due to beam deterioration.								
	Adjusted EV load factors for non-interstate bridges: EV2 = 1.0, EV3 = 0.846								
	Please type or select on right using drop down arrow								
Load Rating Purpose:	8 - Update Analysis Model and Software								
Bridge Appraisal Rating (0-9):	5								
Load rating Software:	3 - AASHTO BrR								
Software version:	7.4.1.3001								
Rating Source:	1 - Plan information available for load rating analysis								
Load Rating Method:	LFR - Load Factor Rating (RF) - Code 6								
Design Loading:	6 - HS20-44 & Alternate Military Loading								
STRUCTURE RATING SUMMARY									
OHIO & AASHTO LEGAL VEHICLES									
Legal Load	GVW (Tons)	No of Axles	Rating Factor RF	Safe Weight (Tons)					
2F1	15	2	2.981	15.00					
3F1	23	3	2.060	23.00					
5C1	40	5	2.154	40.00					
Type 3	25	3	2.429	25.00					
Type 3-3	40	6	2.916	40.00					
Type 3S2	36	5	2.319	36.00					
SPECIALIZED HAULING VEHICLES (SHV)									
SU4/4F1	27	4	1.935	27.00					
SU5	31	5	1.809	31.00					
SU6	34.75	6	1.709	34.75					
SU7	38.75	7	1.659	38.75					
DESIGN AND OPERATING RATINGS									
Rating by RF									
Loading Type	Inventory		Operating						
	HS20 Loading		1.128	1.860					
Recommendation		No Load Posting is Recommended							
Sign Posting Recommendation:									
EMERGENCY VEHICLES (EV)									
Check box if rating for EV3 ☒									
Loading Type	GVW (Tons)	No of Axles	Permit Load (PL) Analysis **						
			Rating Factor	Calculated Load (Tons)					
EV2	28.75	2	1.955	28.75					
EV3	43	3	1.591	43.00					
Controlling Legal Load RF		150%	1.50						
		PL Analysis Method							
		Load Factor Rating (LFR)							
AGENCY/FIRM/OFFICE		Burgess & Niple Inc.							
Rated By	Name	PE Number	Phone Number	Email					
	Cameron Androw, EI	-	614-459-2050	cameron.androw@burgessniple.com					
Reviewed By	Jai H. Lee, PE	70217	614-459-2050	jai.lee@burgessniple.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.