



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER		DISTRICT
3002438	GUE-77-0111 R		5
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTED
1968		112 ft	Seneca Fork Creek
SPECIAL ASSUMPTIONS & COMMENTS	<p>Three span (34'0"-42'6"-34'0" c-c bearings) continuous RC slab bridge as per plans and standard drawing CS-2-65(61-65). Deck width 42'0" out-out and 39'0" toe-toe of the Jersey-style parapets (1993). The slab is modeled as its original depth of 18.75" with a net wearing surface of 1" SDC. Tangent alignment, no skew. The original design loading is CF-2000 (HS20 and alt. military)</p>		
PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON			
LOAD RATING PURPOSE:	8 - Update Analysis Model and Software		
LOAD RATING SOFTWARE:	3 - AASHTO BrR (VIRTIS)		
RATING SOURCE:	1 - Plan information available for load rating analysis (Default)		
RATING METHOD:	6 - Load Factor (LF) rating reported by rating factor (RF)		
ORIGINAL DESIGN LOADING:	6 - HS20-44 & Alternate Military Loading		
STRUCTURE RATING SUMMARY			
OHIO LEGAL VEHICLES			
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)
2F1	15	3.334	15.00
3F1	23	2.383	23.00
4F1	27	2.176	27.00
5C1	40	1.747	40.00
SPECIALIZED HAULING VEHICLES (SHV)			
SU4	27	2.143	27.00
SU5	31	2.017	31.00
SU6	34.75	1.839	34.75
SU7	38.75	1.740	38.75
EMERGENCY VEHICLES (EV) - Check box to include EV <input checked="" type="checkbox"/>			
EV2	28.75	2.111	28.75
EV3	43	1.668	43.00
DESIGN VEHICLE			
Loading Type	Design Rating - RF		
	Operating	Inventory	
HS20 Loading	1.741	1.043	
Overall Legal Posting Rating (Does not include EV's)		150%	
BRIDGE POSTING RECOMMENDED BY RATING		No Load Posting is Recommended	
Sign Posting Recommendation:			
AGENCY/FIRM/OFFICE	ODOT OSE		REPORT DATE:
			2/27/2018
RATED BY	PE NUMBER	PHONE NUMBER	EMAIL
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REVIEWED BY	PE NUMBER	PHONE NUMBER	EMAIL