



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER	DISTRICT	
3002586	GUE-77-0517 L	5	
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTION
1968		151 ft	Over SR209
SPECIAL ASSUMPTIONS & COMMENTS			
3 Span (42'10", 60' 3", 41' 7.75" c/c bearings) rolled steel beam with a 9" thick noncomposite deck. Asphalt wearing surface thickness = 5" Deck width = 42' o-o and 38' t-t of parapets; Steel Grade = Assumed time period steel, 36ksi; Girder Spacing = 9.5' for bays 1-3 and variable for bay 4; Alignment = 2° curve left; Skew = 38° 38' 11" LF; Design Loading = CF2000(57) and AASHTO Alternate Loadng.			

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					SPECIALIZED HAULING VEHICLES (SHV)			
Loading Type	GVW (Tons)	Rating Factor - RF		Legal Weight (Tons)	Loading Type	GVW (Tons)	Rating Factor - RF	Legal Weight (Tons)
		Inv.	Oper.				Oper.	
HS20 Loading	36	1.017	1.698	36.00				
Ohio - 2F1	15	X	3.223	15.00	SU4	27	1.951	27.00
Ohio - 3F1	23	X	2.197	23.00	SU5	31	1.800	31.00
Ohio - 4F1	27	X	1.977	27.00	SU6	34.75	1.623	34.75
Ohio - 5C1	40	X	1.726	40.00	SU7	38.75	1.509	38.75

EMERGENCY VEHICLES (EV) - Check box to include in rating <input checked="" type="checkbox"/>					Sign Posting Recommendation:
EV2	28.75	X	1.935	28.75	
EV3	43	X	1.263	43.00	
Overall Posting Rating (Does not include EV's)		150%			
BRIDGE POSTING REQUIRED BY RATING		No Load Posting is Recommended			

AGENCY/FIRM	ODOT - Office of Structural Engineering		REPORT DATE:	2/13/2017
RATED BY	PE #	PHONE NUMBER	EMAIL	
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