



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER	DISTRICT
3002497	GUE-77-0143 R	5
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH
1968		129 ft
FEATURE INTERSECTED		
Over SR 313		

SPECIAL ASSUMPTIONS & COMMENTS	3 span (36'9", 52'5", 36'7" c/c bearings) continuous steel beam with a 8.75" thick non-composite deck. The deck has a width of 42' o-o and 39' t-t of 32" Parapets. The bridge has a 0°22' curve left (beams tangent) and a 34°48'44" LF skew. Design based on CF=2000(57) loading.		
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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				DESIGN VEHICLE		
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)	Loading Type	Design Rating - RF	
					Operating	Inventory
2F1	15	3.261	15.00	HS20 Loading	1.885	1.129
3F1	23	2.312	23.00			
4F1	27	2.102	27.00			
5C1	40	1.993	40.00			
					Overall Legal Posting Rating (Does not include EV's)	150%
SPECIALIZED HAULING VEHICLES (SHV)				BRIDGE POSTING RECOMMENDED BY RATING		
SU4	27	2.072	27.00	No Load Posting is Recommended		
SU5	31	1.941	31.00			
SU6	34.75	1.780	34.75	Sign Posting Recommendation:		
SU7	38.75	1.664	38.75			
EMERGENCY VEHICLES (EV) - Check box to include EV <input checked="" type="checkbox"/>						
EV2	28.75	2.041	28.75			
EV3	43	1.359	43.00			

AGENCY/FIRM/OFFICE	ODOT- Office of Structural Engineering		REPORT DATE:	1/31/2018
RATED BY	PE NUMBER	PHONE NUMBER	EMAIL	
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