



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER	DISTRICT	GPS COORDINATES	
			LATITUDE:	LONGITUDE:
3002918	GUE-77-0804R	5	40.00429873	-81.56047304
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTED	
1965		93 ft	TR 452	

**SPECIAL ASSUMPTIONS & COMMENTS**

Re-issued by BPN, Dec. 2021, to include SHV's & EV's. Used modified EV live load factors. [EV2=1.3, EV3=1.2]

Continuous RC Slab (28'-35'-28'). Parapets with type A railing as per AR-1-57. Deck width of 51'10" o-o and 47'6" t-t of parapets. Deck thickness 16" RC. Wearing surface 5" asphalt(2005). Curved alignment, 02D30M RT, with no skew. (Modeled by JF, 2014)

PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON	
<b>LOAD RATING PURPOSE :</b>	8 - Update Analysis Model and Software
<b>GENERAL APPRAISAL (0-9) :</b>	6
<b>(708) LOAD RATING SOFTWARE :</b>	3 - AASHTO BrR (VIRTIS)
<b>SOFTWARE VERSION :</b>	7.1.1.3001
<b>(709) RATING SOURCE :</b>	1 - Plan information available for load rating analysis
<b>(63)(65) RATING METHOD :</b>	6 - Load Factor (LF) rating reported by rating factor (RF)
<b>(31) ORIGINAL DESIGN LOADING :</b>	5 - HS20

#### STRUCTURE RATING SUMMARY

OHIO LEGAL VEHICLES				DESIGN VEHICLE		
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)	Loading Type	Rating by RF	
					Operating	Inventory
2F1	15	2.685	15.00	HS20 Loading	1.440	0.862
3F1	23	1.913	23.00			
4F1	27	1.787	27.00			
5C1	40	1.590	40.00			
					<b>Overall Legal Posting Rating</b>	125%
				<b>Posting Recommendation</b>	No Load Posting is Recommended	
SPECIALIZED HAULING VEHICLES (SHV)				Sign Posting Recommendation:		
SU4	27	1.740	27.00			
SU5	31	1.657	31.00			
SU6	34.75	1.518	34.75			
SU7	38.75	1.420	38.75			
EMERGENCY VEHICLES (EV)						
Check box if this is an NBI bridge <input checked="" type="checkbox"/>						
EV2	28.75	1.744	28.75			
EV3	43	1.236	43.00			

<b>AGENCY/FIRM/OFFICE</b>	ODOT-Office of Structural Engineering	<b>Report Date</b>	12/1/2021
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	Rated By	Reviewed By
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