



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

11777

SFN	BRIDGE NUMBER	DISTRICT	
3003361	GUE-70-16.74	5	
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTED
1968		237 ft	TR 8360

SPECIAL ASSUMPTIONS & COMMENTS

4 span continuous, non-composite steel beam superstructure with 7.75" reinforced concrete deck. Spans at 49'-0" - 69'-6" - 69'-6" - 49'-0" with a typical section of 24'-0" f/f curbs and 30'-0" o/o deck, 0 degree skew. Type A aluminum railing on concrete parapets with 10" thick sidewalks on each side. Rated from original plans. Girder 2 controls rating in steel flexure.

PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON

LOAD RATING PURPOSE:	8 - Update Analysis Model and Software
(708) LOAD RATING SOFTWARE:	3 - AASHTO BrR (VIRTIS)
SOFTWARE VERSION:	6.8.3.3001
(709) RATING SOURCE:	1 - Plan information available for load rating analysis
(63)(65) RATING METHOD:	8 - Load & Resistance Factor Rating (LRFR) reported by rating factor (RF)
(31) ORIGINAL DESIGN LOADING:	C - Other (includes railroad bridges w/track removed)

STRUCTURE RATING SUMMARY

OHIO LEGAL VEHICLES				DESIGN VEHICLE		
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)	Loading Type	#NAME?	
					Operating	Inventory
2F1	15	1.633	15.00	HL93 Loading	0.537	0.414
3F1	23	1.075	23.00			
4F1	27	0.927	25.03			
5C1	40	0.943	37.72			
					Overall Legal Posting Rating	60%
				Posting Recommendation	LOAD POSTING IS RECOMMENDED	
SPECIALIZED HAULING VEHICLES (SHV)				Sign Posting Recommendation:	WEIGHT LIMIT SINGLE UNIT	
SU4	27	0.930	25.11		2 AXLE	15 T
SU5	31	0.824	25.54		3 AXLE	23 T
SU6	34.75	0.740	25.72		4 AXLE	25 T
SU7	38.75	0.673	26.08		5 AXLE	26 T
					6+ AXLE	26 T
						38 T
EMERGENCY VEHICLES (EV)						
Check box if this is an NBI bridge <input checked="" type="checkbox"/>						
EV2	28.75	0.883	25.39			
EV3	43	0.594	25.54			

AGENCY/FIRM/OFFICE	AECOM		REPORT DATE:	3/5/2019
RATED BY	PE NUMBER	PHONE NUMBER	EMAIL	
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