



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER		DISTRICT
3001083	GUE-70-07.35		5
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTED
1963	1988	302 ft	CR 346

SPECIAL ASSUMPTIONS & COMMENTS

4 span continuous, non-composite steel beam superstructure with 7.75" to 7.875" reinforced concrete deck. Spans at 62'-3" - 88'-9" - 88'-9" - 62'-3" with a typical section of 24'-0" f/f curbs and 30'-6" o/o deck, 23 degree skew. Type A aluminum railing on concrete parapets with 10" thick sidewalks on each side. Rated from original plans. Interior girder 3 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:	0 - Unknown

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	2.706	15.00	HL93 Loading	0.934	0.720
3F1	23	1.843	23.00			
4F1	27	1.634	27.00			
5C1	40	1.756	40.00			
SPECIALIZED HAULING VEHICLES (SHV)				Overall Legal Posting Rating	105%	
SU4	27	1.621	27.00	Posting Recommendation	No Load Posting is Recommended	
SU5	31	1.477	31.00	Sign Posting Recommendation:		
SU6	34.75	1.336	34.75			
SU7	38.75	1.243	38.75			
EMERGENCY VEHICLES (EV)						
Check box if this is an NBI bridge <input checked="" type="checkbox"/>						
EV2	28.75	1.581	28.75			
EV3	43	1.045	43.00			

AGENCY/FIRM/OFFICE	AECOM		REPORT DATE:	3/6/2019
RATED BY	PE NUMBER	PHONE NUMBER	EMAIL	
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BR-100 SMS (9/2018)