



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER	DISTRICT
3002705	GUE-70-07.80	5
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH
1965	2016	280 ft
FEATURE INTERSECTED		
CR 35 Over I-77		

**SPECIAL ASSUMPTIONS & COMMENTS**

4 span continuous, steel beam superstructure with 8.5" composite reinforced concrete deck. Spans at 57'-0" - 82'-6" - 82'-6" - 57'-0" with a typical section of 27'-6" f/f curbs and 30'-10" o/o deck, 0 degree skew. Rated from 1965 original and 2016 rehab plans. Beam 1 controls rating in steel flexure.

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:	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	#NAME?	
					Operating	Inventory
2F1	15	5.136	15.00	HL93 Loading	1.034	0.797
3F1	23	3.411	23.00			
4F1	27	2.929	27.00			
5C1	40	2.399	40.00			
Overall Legal Posting Rating				150%		
Posting Recommendation				No Load Posting is Recommended		
SPECIALIZED HAULING VEHICLES (SHV)				Sign Posting Recommendation:		
SU4	27	2.935	27.00			
SU5	31	2.587	31.00			
SU6	34.75	2.322	34.75			
SU7	38.75	2.103	38.75			
EMERGENCY VEHICLES (EV)						
Check box if this is an NBI bridge <input checked="" type="checkbox"/>						
EV2	28.75	2.778	28.75			
EV3	43	1.865	43.00			

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