



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER		DISTRICT
3000877	GUE-70-0248 R		5
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTED
1966		112 ft	Over Crooked Creek

<b>SPECIAL ASSUMPTIONS &amp; COMMENTS</b>	3 span (34', 42.5', 34' c/c bearings) continuous RC slab. The slab has a thickness of 20.25" including 1.5" SDC overlay (1990) and a width of 42' o-o and 39' t-t of 32" parapets. The analysis includes 5.5" of asphalt wearing surface (2015). The bridge has a tangent alignment and a 30° LF skew. Design based on CF-2000(57) adequate for Alternate Military loading.
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<b>PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON</b>	
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			
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)
2F1	15	3.102	15.00
3F1	23	2.176	23.00
4F1	27	1.975	27.00
5C1	40	1.418	40.00
SPECIALIZED HAULING VEHICLES (SHV)			
SU4	27	1.960	27.00
SU5	31	1.801	31.00
SU6	34.75	1.629	34.75
SU7	38.75	1.472	38.75
EMERGENCY VEHICLES (EV) - Check box to include EV <input checked="" type="checkbox"/>			
EV2	28.75	1.930	28.75
EV3	43	1.280	43.00

DESIGN VEHICLE		
Loading Type	Design Rating - RF	
	Operating	Inventory
HS20 Loading	1.480	0.886
Overall Legal Posting Rating (Does not include EV's)	140%	
BRIDGE POSTING RECOMMENDED BY RATING	No Load Posting is Recommended	
Sign Posting Recommendation:		

AGENCY/FIRM/OFFICE	ODOT- Office of Structural Engineering		REPORT DATE:	1/12/2018
RATED BY	PE NUMBER	PHONE NUMBER	EMAIL	
Jeremy Fisher		614-466-2275	<a href="mailto:Jeremy.Fisher@dot.ohio.gov">Jeremy.Fisher@dot.ohio.gov</a>	
REVIEWED BY	PE NUMBER	PHONE NUMBER	EMAIL	
Amjad Waheed	55865	614-752-9972	<a href="mailto:Amjad.Waheed@dot.ohio.gov">Amjad.Waheed@dot.ohio.gov</a>	