



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN		BRIDGE NUMBER		DISTRICT
3003485		GUE-77-2067 R		5
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTION	
1968		115 ft	I-77 over CR86	
SPECIAL ASSUMPTIONS & COMMENTS 3 span (36'-45'-31.5' c-c brgs) continuous steel beam bridge with a deck width of 42' o-o and 38' t-t of parapets. The original RC deck is 9" thick including monolithic wearing surface and is supported by 5 W33x118 steel beams spaced at 9.5'. Analysis includes 2" net overlay thickness of super-plasticized dense concrete(1988). The bridge has a tangent alignment with a 10° LF skew.				

PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON	
LOAD RATING PURPOSE:	8 - Update Analysis Model and Software
LOAD RATING SOFTWARE:	3 - BrR
RATING SOURCE:	1 - Plan information available for load rating analysis (Default)
RATING METHOD:	2 - Load Factor Rating (LFR)
ORIGINAL DESIGN LOADING:	6 - HS20-44 & Alternate Military Loading

STRUCTURE RATING SUMMARY

OHIO LEGAL					SPECIALIZED HAULING VEHICLES (SHV)			
Loading Type	GVW (Tons)	Rating Factor - RF		SAFE GVW (Tons)	Loading Type	GVW (Tons)	Rating Factor-RF	SAFE GVW (Tons)
		Inv.	Oper.				Oper.	
HS20 Loading	36	1.165	1.946	36	NOTIONAL RATING LOAD	40	1.637	40
Ohio - 2F1	15	X	3.398	15	SU4	27	2.126	27
Ohio - 3F1	23	X	2.366	23	SU5	31	1.995	31
Ohio - 4F1	27	X	2.167	27	SU6	34.75	1.812	34.75
Ohio - 5C1	40	X	1.930	40	SU7	38.75	1.708	38.75

BRIDGE POSTING REQUIRED BY RATING	NO load posting is recommended
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Overall Posting Rating	Posting Recommendation:	150%
OPEN, POSTED, OR CLOSED		WEIGHT LIMIT
A - OPEN, NO RESTRICTIONS		

AGENCY/FIRM	ODOT - Office of Structural Engineering	REPORT DATE:	10/21/2015
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