



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

<b>SFN</b>		<b>BRIDGE NUMBER</b>		<b>DISTRICT</b>	
3003450		GUE-77-2067 L		5	
<b>ORIGINAL CONSTRUCTION YEAR</b>	<b>REHABILITATION YEAR</b>	<b>OVERALL STRUCTURE LENGTH</b>	<b>FEATURE INTERSECTION</b>		
1968		115 ft	I-77 over CR86		
<b>SPECIAL ASSUMPTIONS &amp; COMMENTS</b>		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.			

<b>PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON</b>	
<b>LOAD RATING PURPOSE:</b>	8 - Update Analysis Model and Software
<b>LOAD RATING SOFTWARE:</b>	3 - BrR
<b>RATING SOURCE:</b>	1 - Plan information available for load rating analysis (Default)
<b>RATING METHOD:</b>	2 - Load Factor Rating (LFR)
<b>ORIGINAL DESIGN LOADING:</b>	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	<del>1.165</del>	3.398	15	SU4	27	2.126	27
Ohio - 3F1	23	<del>1.165</del>	2.366	23	SU5	31	1.995	31
Ohio - 4F1	27	<del>1.165</del>	2.167	27	SU6	34.75	1.812	34.75
Ohio - 5C1	40	<del>1.165</del>	1.930	40	SU7	38.75	1.708	38.75

<b>BRIDGE POSTING REQUIRED BY RATING</b>	<b>NO load posting is recommended</b>
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<b>Overall Posting Rating</b>	<b>Posting Recommendation:</b>	150%	<table border="1" style="width: 100%; height: 100%;"> <tr> <th style="text-align: center;">WEIGHT LIMIT</th> </tr> <tr> <td style="height: 50px;"></td> </tr> </table>	WEIGHT LIMIT	
WEIGHT LIMIT					
<b>OPEN, POSTED, OR CLOSED</b>					
A - OPEN, NO RESTRICTIONS					

<b>AGENCY/FIRM</b>	ODOT - Office of Structural Engineering		<b>REPORT DATE:</b>	10/21/2015
<b>RATED BY</b>	<b>PE #</b>	<b>PHONE NUMBER</b>	<b>EMAIL</b>	
Jeremy Fisher		614-466-2275	<a href="mailto:Jeremy.Fisher@dot.ohio.gov">Jeremy.Fisher@dot.ohio.gov</a>	
<b>REVIEWED BY</b>	<b>PE #</b>	<b>PHONE NUMBER</b>	<b>EMAIL</b>	
Andrea Parks	54304	614-752-6932	<a href="mailto:Andrea.Parks@dot.ohio.gov">Andrea.Parks@dot.ohio.gov</a>	

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**BRIDGE NUMBER: GUE-77-2067 L**