

BRIDGE LOAD RATING SUMMARY REPORT OFFICE OF STRUCTURAL ENGINEERING OHIO DEPARTMENT OF TRANSPORTATION

OHIO DEPARTMENT OF TRANSPORTATION									
SFN			BRIDGE NUMBER		DISTRICT		GPS COORDINATES LATITUDE: LONGITUDE:		
04066	0406635		ATB-00531-09				1.90026111 LONGITUDE: -80.79776667		
ORIGIN		DELIADI							
CONSTRUCTION YEAR				UCTURE LENGTH		FEATURE INTERSECTED			
			986, 2008	223 ft		Ashtabula River h snan and steel floorheam and stringer forward			
ap 14 ap SPECIAL ASSUMPTIONS & COMMENTS Ass		approach 14.75" th approach skew. Assumpti Repaired	Single leaf bascule truss main span with concrete slab rear approach span and steel floorbeam and stringer forward approach slab. Spans are 18.97' - 156' - 46.25' c/c substructures. Roadway is 20' curb/curb with 6' sidewalks. Span 1 slab is 14.75" thick with 1.25"microsilica overlay (added in 2008), spans 2 & 3 have 3" concrete filled steel grid deck. Original rear approach span and floor systems in spans 2 & 3 replaced in 1986 using 36ksi steel, 4ksi concrete, and 60ksi rebar. 0 degree skew. Assumptions: Original 1925 material properties taken from BDM Table 927. No force assumed in movable strut and link. Repaired truss members are assumed to have their original capacity. Applied EV2 Scale Factor = 1.0 and EV3 Scale Factor = 0.8462 (LFR Factors)						
			PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON						
LOAD RATING PURPOSE :			8 - Update Analysis Model and Software						
GENERAL APPR	RAISAL (0-9)	:	6						
(708) LOAD RA	TING SOFT	VARE:	3 - AASHTO BrR (VIRTIS)						
SOFTWARE VEI			7.1.1.3001						
(709) RATING			1 - Plan information available for load rating analysis						
(63)(65) RATING METHOD:			6 - Load Factor (LF) rating reported by rating factor (RF)						
(31) ORIGINAL DESIGN LOADING: 5 - HS20									
STRUCTURE RATING SUMMARY									
	Ol	HO LEGAL	. VEHICLES		DESIGN VEHICLE				
Loading Type GVW		Oper	ating Rating	Legal Weight	Loading Type		R	ating by RF	
Loading Type	(Tons)		RF	(Tons)	Loading Type		Operating	Inventory	
2F1	15		2.376	15.00	HS20 Loading		1.020	0.611	
3F1	23		1.574	23.00					
4F1	27		1.365	27.00	Overall Legal Posting Rating		100%		
5C1	40		1.066	40.00	Posting Recommendation		No Load Pos	ting is Recommended	
SPECIALIZED HAULING VEHICLES (SHV)									
SU4	27		1.357	27.00					
SU5	31		1.198	31.00					
SU6 SU7	34.75 38.75		0.977	34.75 38.75	Sign Posting Recommendation:				
307		DOEN'S'		36.73					
EMERGENCY VEHICLES (EV) Check box if this is an NBI bridge									
EV2			ин <i>NBI bi</i> luge <u></u> 1.272	28.75					
EV3	43		1.009	43.00					
AGENCY/FIRM	M/OFFICE		Bu	Burgess & Niple, Inc			eport Date	2/28/2022	
	Rated By			Reviewed By			MANA LEC		
Name:		Jai H. Le	e, PE	Joe Kelley, PE		Mar.	* IA	H. TO	
PE Number:	PE Number: 70217			73254		HA (OTT	T LE		
Phone Number:		614-459-	2050	614-459-2050			C. C. GIST	EN GRAN	
Email:	ail: jai.lee@burgessniple.com			joe.kelley@burgessniple.com					