



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

SFN	Bridge Number	DISTRICT	GPS COORDINATES	
7230567	SAN-C0035-0022	2	LATITUDE: 41.291586	LONGITUDE: -83.164069
ORIGINAL YEAR BUILT	YEAR REBUILT	TOTAL BRIDGE LENGTH	FEATURE INTERSECTED (Below)	
1981		288 ft	Sandusky River	
<b>SPECIAL ASSUMPTIONS &amp; COMMENTS</b>  <i>4-Span Prestressed Non-Composite Box Beam Structure. All spans have equal lengths (69.5'). Span 3, Beam 8 Controls. Assumed 12 strands were ineffective located 25' from Pier 3. Wearing surface approximately 5" +/-.</i>				
PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON				
LOAD RATING PURPOSE:	5 - Deterioration or GA Dropped Below 5			
GENERAL APPRAISAL (0-9):	3			
LOAD RATING SOFTWARE:	3 - AASHTO BrR			
SOFTWARE VERSION:	7.3.0.3001			
ROUTINE PERMIT LOAD (RPL):	D - Agency doesnot issue routine permits			
RATING SOURCE:	1 - Plan information available for load rating analysis			
LOAD RATING METHOD:	LFR - Load Factor Rating (RF) - Code 6			
DESIGN LOADING:	6 - HS20-44 & Alternate Military Loading			

#### STRUCTURE RATING SUMMARY

OHIO & AASHTO LEGAL VEHICLES					Design Inventory and Operating Ratings				
Legal Load	GVW (Tons)	No of Axles	Rating Factor RF	Safe Weight (Tons)	Loading Type	Rating by RF		Recommendation	Sign Posting Recommendation:
						Inventory	Operating		
2F1	15	2	0.595	8.93	HS20 Loading	0.000	0.289	<b>LOAD POSTING IS RECOMMENDED</b>  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <b>WEIGHT LIMIT SINGLE UNIT</b>            2 AXLE 9 T            3 AXLE 9 T            4 AXLE 9 T            5 AXLE 10 T            6+ AXLE 10 T   13 T         </div>	Sign Posting Recommendation:
3F1	23	3	0.398	9.15					
5C1	40	5	0.400	16.00					
Type 3	25	3	0.392	9.80					
Type 3-3	40	6	0.384	15.36					
Type 3S2	36	5	0.363	13.07					
SPECIALIZED HAULING VEHICLES (SHV)									
SU4	27	4	0.349	9.42					
SU5	31	5	0.316	9.80					
SU6	34.75	6	0.283	9.83					
SU7	38.75	7	0.259	10.04					
EMERGENCY VEHICLES (EV) <i>Check box if rating for EV3</i> <input checked="" type="checkbox"/>					Routine Permit Load (RPL) Analysis				
EV2	28.75	2	0.342	9.83	Loading Type	GVW (Tons)	No of Axles	Rating Factor	Safe Load (Tons)
EV3	43	3	0.265	11.40	RPL 60T	60	6	0.302	18.12
					RPL 65T	65	7	0.221	14.37
Controlling Legal Load RF					RPL Analysis Method				
25%					Load Factor Rating (LFR)				
0.25					Load Factor Rating (LFR)				

AGENCY/FIRM/OFFICE		DGL Consulting Engineers					
Name	PE Number	Phone Number	Email	Report	12/28/2022		
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