



# BRIDGE LOAD RATING SUMMARY REPORT

## OFFICE OF STRUCTURAL ENGINEERING

### OHIO DEPARTMENT OF TRANSPORTATION

SFN (SNBI Bridge Number)	Ohio Bridge Number (Bridge Asset Name)	District	GPS Coordinates	
			LATITUDE:	LONGITUDE:
3431790	HAS-BRDGE-00.045	11	40.425675	-81.1871667
Original Year Built	Year Re-built	Total length	Structure Type XXX	Feature Intersected
Proposed	N/A	86 ft	505	CONOTTON CREEK

#### SPECIAL ASSUMPTIONS & COMMENTS

Rated by: AI 01/28/2025 Checked by: TDA 02/10/2025

Single span (83'-0" C/C Bearings) prestressed adjacent box beams (CB33-48) with 6" minimum composite reinforced concrete deck including 1" monolithic wearing surface; Skew = 0 degrees; 32'-0" O/O deck width; 6'-0" non-raised sidewalk on west side and Modified TST-1-99 railing on both sides; FWS = 60 psf; Deck f'c = 4.5 ksi (Class QC2 Concrete); Prestressed Box Beam concrete f'c initial = 5.0 ksi, f'c final = 7.0 ksi; Prestressing strands (Low Relaxation) As = 0.167 sq in; Ultimate Strength = 270 ksi

Please type or select on right using drop down arrow

Load Rating Purpose:	1 - Initial Load Rating
Bridge Appraisal Rating (0-9):	9
Load rating Software:	3 - AASHTO BrR
Software version:	7.4.1.3001
Rating Source:	1 - Plan information available for load rating analysis
Load Rating Method:	LRFR - Load & Resistance Factor Rating (RF) - Code 8
Design Loading:	A - HL93

#### STRUCTURE RATING SUMMARY

OHIO & AASHTO LEGAL VEHICLES					DESIGN AND OPERATING RATINGS				
Legal Load	GVW (Tons)	No of Axles	Rating Factor RF	Safe Weight (Tons)	Loading Type	Rating by RF			
						Inventory	Operating		
2F1	15	2	5.747	15.00	HL93 Loading	1.489	1.942		
3F1	23	3	3.842	23.00	Recommendation  <				

\*\* ODOT bridges to be analyzed for permit trucks by policy.

BR-100 (01/2024)

Analysis for permit trucks is optional for non-ODOT bridges and at owner's discretion.