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

SFN	BRIDGE NUMBER		DISTRICT	
3001741	GUE-70-17.30		5	

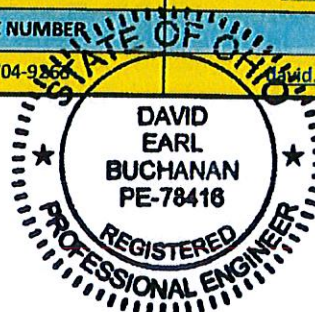| ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTED	
1965	2015	283 ft	Cr73 over I70	

SPECIAL ASSUMPTIONS & COMMENTS	4 span continuous, steel beam superstructure with composite 8.5" reinforced concrete deck. Spans at 57'-10"-82'-7" - 82'-7" - 57'-10" with a typical section of 27'-6" f/f curbs and 30'-10" o/o deck, 9 degree skew. Rated from original and 2014 rehab plans. Beam 1 controls rating in steel flexure.

	PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON
LOAD RATING PURPOSE:	8 - Update Analysis Model and Software
(708) LOAD RATING SOFTWARE:	3 - AASHTO BrR (VIRTIS)
SOFTWARE VERSION:	6.8.3.3001
(709) RATING SOURCE:	1 - Plan information available for load rating analysis
(63)(65) RATING METHOD:	8 - Load & Resistance Factor Rating (LRFR) reported by rating factor (RF)
(31) ORIGINAL DESIGN LOADING:	6 - HS20-44 & Alternate Military Loading

STRUCTURE RATING SUMMARY

OHIO LEGAL VEHICLES

Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)
2F1	15	4.191	15.00
3F1	23	2.867	23.00
4C1	27	2.493	27.00
5C1	40	2.166	40.00

SPECIALIZED HAULING VEHICLES (SHV)

SU4	27	2.499	27.00
SU5	31	2.137	31.00
SU6	34.75	1.866	34.75
SU7	38.75	1.652	38.75

EMERGENCY VEHICLES (EV)
Check box if this is an NBI bridge ☑

EV2	28.75	2.339	28.75
EV3	43	1.449	43.00

DESIGN VEHICLE

Loading Type	#NAME?	
	Operating	Inventory
HL93 Loading	1.029	0.706

Overall Legal Posting Rating	145%
Posting Recommendation	No Load Posting is Recommended

Sign Posting Recommendation:

AGENCY/FIRM/OFFICE	AECOM		REPORT DATE:	3/5/2019
RATED BY	PE NUMBER	PHONE NUMBER	EMAIL	
Josh Miller		330-800-2716	josh.d.miller@aecom.com	
REVIEWED BY	PE NUMBER	PHONE NUMBER	EMAIL	
David Buchanan	78416	330-704-9360	david.buchanan@aecom.com	

DAVID EARL BUCHANAN PE-78416 STATE OF OHIO REGISTERED PROFESSIONAL ENGINEER

BR-100_SMS (9/2018)