



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING OHIO DEPARTMENT OF TRANSPORTATION

| SFN | BRIDGE NUMBER | DISTRICT |
|----------------------------|---------------------|--------------------------|
| 3002403 | GUE-77-0111 L | 5 |
| ORIGINAL CONSTRUCTION YEAR | REHABILITATION YEAR | OVERALL STRUCTURE LENGTH |
| 1968 | | 112 ft |
| FEATURE INTERSECTED | | |
| Seneca Fork Creek | | |

SPECIAL ASSUMPTIONS & COMMENTS

Three span (34'0"-42'6"-34'0" c-c bearings) continuous RC slab bridge as per plans and standard drawing CS-2-65(6 1-65). Deck width varies from 51'5.5" to 53'9.5" out-out and 48'5.5" to 50'9.5" toe-toe of the Jersey-style parapets (1993). The slab is modeled as its original depth of 18.75" with a net wearing surface of 1" SDC. Tangent alignment, no skew. The original design loading is CF-2000 (sufficient for HS20-44 and alt. military)

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

STRUCTURE RATING SUMMARY

| OHIO LEGAL VEHICLES | | | | DESIGN VEHICLE | | |
|---|------------|---------------------|---------------------|--------------------------------------|--------------------|-----------|
| Loading Type | GVW (Tons) | Operating Rating RF | Legal Weight (Tons) | Loading Type | Design Rating - RF | |
| | | | | | Operating | Inventory |
| 2F1 | 15 | 3.334 | 15.00 | HS20 Loading | 1.824 | 1.092 |
| 3F1 | 23 | 2.383 | 23.00 | | | |
| 4F1 | 27 | 2.176 | 27.00 | | | |
| 5C1 | 40 | 1.747 | 40.00 | | | |
| | | | | | | |
| SPECIALIZED HAULING VEHICLES (SHV) | | | | BRIDGE POSTING RECOMMENDED BY RATING | | |
| SU4 | 27 | 2.143 | 27.00 | No Load Posting is Recommended | | |
| SU5 | 31 | 2.017 | 31.00 | | | |
| SU6 | 34.75 | 1.839 | 34.75 | | | |
| SU7 | 38.75 | 1.740 | 38.75 | | | |
| | | | | | | |
| EMERGENCY VEHICLES (EV) - Check box to include EV <input checked="" type="checkbox"/> | | | | | | |
| EV2 | 28.75 | 2.116 | 28.75 | | | |
| EV3 | 43 | 1.402 | 43.00 | | | |

| AGENCY/FIRM/OFFICE | ODOT OSE | | REPORT DATE: | 2/27/2018 |
|--------------------|-----------|--------------|--|-----------|
| RATED BY | PE NUMBER | PHONE NUMBER | EMAIL | |
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| REVIEWED BY | PE NUMBER | PHONE NUMBER | EMAIL | |
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