

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
 Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Pennsylvania [42] Cambria County [021] Ferndale [25680] 0.6 MI.S.SR 756,FERNDALE 40-17-36 = 40.293333 078-55-09 = - 78.919167
 110403007000000 Highway agency district 9 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 403 PA 403 FERNDALE Toll On free road [3] Features intersected STONYCREEK RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 307.5 km = 190.7 mi
 1 Truss - Thru [10] 0 Other [00] Year built 1937 Year reconstructed 2008
 Skew angle 0 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]

Total length 72.2 m = 236.9 ft Length of maximum span 70.1 m = 230.0 ft Deck width, out-to-out 11.1 m = 36.4 ft Bridge roadway width, curb-to-curb 10.5 m = 34.5 ft
 Inventory Route, Total Horizontal Clearance 10.5 m = 34.5 ft Curb or sidewalk width - left 1.5 m = 4.9 ft Curb or sidewalk width - right 1.5 m = 4.9 ft

Deck structure type Concrete Cast-in-Place [1]
 Type of wearing surface Monolithic Concrete (concurrently placed with structural deck) [1]
 Deck protection Galvanized Reinforcing [2]
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 1.8 km = 1.1 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 30.8 metric ton = 33.9 tons
 Method to determine operating rating Allowable Stress(AS) [2] Operating rating 68 metric ton = 74.8 tons
 Bridge posting Equal to or above legal loads [5] Design Load M 13.5 / H 15 [2]

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|------------------------------|------|------|------|
| Average Daily Traffic | 8083 | Average daily truck traffi | 4 | % | Year | 2010 | Future average daily traffic | 9522 | Year | 2023 |
| Road classification | Other Principal Arterial (Urban) [14] | | Lanes on structure | 2 | | Approach roadway width | 11 m = 36.1 ft | | | |
| Type of service on bridge | Highway-pedestrian [5] | | Direction of traffic | 2 - way traffic [2] | | Bridge median | | | | |
| Parallel structure designation | No parallel structure exists. [N] | | | | | | | | | |
| Type of service under bridge | Waterway [5] | | Lanes under structure | 0 | | Navigation control | | | | |
| Navigation vertical clearanc | 0 = N/A | | Navigation horizontal clearance | 0 = N/A | | | | | | |
| Minimum navigation vertical clearance, vertical lift bridge | | | | | | Minimum vertical clearance over bridge roadway | 4.8 m = 15.7 ft | | | |
| Minimum lateral underclearance reference feature | Feature not a highway or railroad [N] | | | | | | | | | |
| Minimum lateral underclearance on right | 0 = N/A | | | | | Minimum lateral underclearance on left | 0 = N/A | | | |
| Minimum Vertical Underclearance | 0 = N/A | | Minimum vertical underclearance reference feature | Feature not a highway or railroad [N] | | | | | | |
| Appraisal ratings - underclearances | N/A [N] | | | | | | | | | |

Repair and Replacement Plans

| | | | | | | | | | | |
|---|-----------------------------------|---------------------------------|--------------------------|--------------------|------|---|--|--|--|--|
| Type of work to be performed | Work done by | Work to be done by contract [1] | | | | | | | | |
| Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31] | Bridge improvement cost | 0 | Roadway improvement cost | 1000 | | | | | | |
| | Length of structure improvement | 90 m = 295.3 ft | | Total project cost | 3000 | | | | | |
| | Year of improvement cost estimate | | | | | | | | | |
| | Border bridge - state | | | | | Border bridge - percent responsibility of other state | | | | |
| | Border bridge - structure number | | | | | | | | | |

Inspection and Sufficiency

| | | | |
|---|--|---------------------------------------|---|
| Structure status | Open, no restriction [A] | Appraisal ratings - structural | Equal to present minimum criteria [6] |
| Condition ratings - superstructure | Satisfactory [6] | Appraisal ratings - roadway alignment | Somewhat better than minimum adequacy to tolerate being left in place as is [5] |
| Condition ratings - substructure | Good [7] | Appraisal ratings - deck geometry | Meets minimum tolerable limits to be left in place as is [4] |
| Condition ratings - deck | Very Good [8] | | |
| Scour | Bridge foundations determined to be stable for the assessed or calculated scour condition. [8] | | |
| Channel and channel protection | Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7] | | |
| Appraisal ratings - water adequacy | Equal to present desirable criteria [8] | Status evaluation | |
| Pier or abutment protection | | Sufficiency rating | 84.2 |
| Culverts | Not applicable. Used if structure is not a culvert. [N] | | |
| Traffic safety features - railings | Inspected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - transitions | Inspected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - approach guardrail | Inspected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - approach guardrail ends | Inspected feature meets currently acceptable standards. [1] | | |
| Inspection date | September 2009 [0909] | Designated inspection frequency | 24 Months |
| Underwater inspection | Not needed [N] | Underwater inspection date | |
| Fracture critical inspection | Not needed [N] | Fracture critical inspection date | |
| Other special inspection | Not needed [N] | Other special inspection date | |