

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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**Basic Information**

|   |  |  |  |   |  |  |  |   |  |                         |  |
|---|--|--|--|---|--|--|--|---|--|-------------------------|--|
| Pennsylvania [42]   |  | Crawford County [039]  |  | Meadville [48360]                             |  | MERCER STREET,MEADVILLE                            |  | 41-37-56 = 41.632222  |  | 080-09-39 = - 80.160833 |  |
| 207301882130160   |  | Highway agency district 1  |  | Owner County Highway Agency [02]              |  | Maintenance responsibility                         |  | County Highway Agency [02]  |  |                         |  |
| Route 7301  |  | MERCER STREET  |  | Toll On free road [3]                         |  | Features intersected OVER FRENCH CREEK             |  |   |  |                         |  |
| Design - main Steel [3]                                     |  | Design - approach  |  | Kilometerpoint 0 km = 0.0 mi                  |  | Year built 1936                                    |  | Year reconstructed 1984   |  |                         |  |
| 1 Truss - Thru [10]   |  | 0 Other [00]   |  | Skew angle 0                                  |  | Structure Flared                                   |  | Historical significance Historical significance is not determinable at this time. [4] |  |                         |  |
| Total length 67.4 m = 221.1 ft                              |  | Length of maximum span 65.2 m = 213.9 ft                           |  | Deck width, out-to-out 9.6 m = 31.5 ft        |  | Bridge roadway width, curb-to-curb 9.1 m = 29.9 ft |  |   |  |                         |  |
| Inventory Route, Total Horizontal Clearance 9.1 m = 29.9 ft |  | Curb or sidewalk width - left 1.7 m = 5.6 ft                       |  | Curb or sidewalk width - right 1.7 m = 5.6 ft |  |  |  |   |  |                         |  |
| Deck structure type   |  | Concrete Cast-in-Place [1]   |  |   |  |  |  |   |  |                         |  |
| Type of wearing surface                                     |  | Monolithic Concrete (concurrently placed with structural deck) [1] |  |   |  |  |  |   |  |                         |  |
| Deck protection   |  |  |  |   |  |  |  |   |  |                         |  |
| Type of membrane/wearing surface                            |  |  |  |   |  |  |  |   |  |                         |  |

**Weight Limits**

|                                       |  |                                      |  |                     |  |  |  |
|---------------------------------------|--|--------------------------------------|--|---------------------|--|--|--|
| Bypass, detour length 0.1 km = 0.1 mi |  | Method to determine inventory rating |  | Load Factor(LF) [1] |  | Inventory rating 29 metric ton = 31.9 tons   |  |
|                                       |  | Method to determine operating rating |  | Load Factor(LF) [1] |  | Operating rating 48.1 metric ton = 52.9 tons |  |
| Bridge posting                        |  | Equal to or above legal loads [5]    |  | Design Load         |  | M 13.5 / H 15 [2]                            |  |

### Functional Details

|   |                                       |                            |   |  |                 |      |                              |       |      |      |
|---|---------------------------------------|----------------------------|---|--|-----------------|------|------------------------------|-------|------|------|
| Average Daily Traffic                                       | 9000                                  | Average daily truck traffi |   | %  | Year            | 2006 | Future average daily traffic | 11250 | Year | 2026 |
| Road classification   | Local (Urban) [19]                    | Lanes on structure         | 2   | Approach roadway width                         | 9.1 m = 29.9 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 | 0 m = 0.0 ft                          |                            |   | Minimum vertical clearance over bridge roadway | 4 m = 13.1 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                              | 0                  |      |  |  |  |  |  |
|   | Length of structure improvement   | 84 m = 275.6 ft                 |   | Total project cost | 2000 |  |  |  |  |  |
|   | Year of improvement cost estimate | 2002                            |   |                    |      |  |  |  |  |  |
|   | Border bridge - state             |                                 | Border bridge - percent responsibility of other state |                    |      |  |  |  |  |  |
|   | Border bridge - structure number  |                                 |   |                    |      |  |  |  |  |  |

## Inspection and Sufficiency

|   |  |                                       |  |
|---|--|---------------------------------------|--|
| Structure status                                  | Posted for load [P]  | Appraisal ratings - structural        | Equal to present minimum criteria [6]                            |
| Condition ratings - superstructure                | Satisfactory [6]   | Appraisal ratings - roadway alignment | Better than present minimum criteria [7]                         |
| Condition ratings - substructure                  | Satisfactory [6]   | Appraisal ratings - deck geometry     | Basically intolerable requiring high priority of replacement [2] |
| Condition ratings - deck                          | Satisfactory [6]   |                                       |  |
| Scour   | Bridge is scour critical; bridge foundations determined to be unstable. [3]  |                                       |  |
| 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                | Better than present minimum criteria [7]   | Status evaluation                     | Functionally obsolete [2]  |
| Pier or abutment protection                       |  | Sufficiency rating                    | 71.4   |
| 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                                   | December 2008 [1208]   | Designated inspection frequency       | 24 Months  |
| Underwater inspection                             | Every two years [Y24]  | Underwater inspection date            | December 2008 [1208]   |
| Fracture critical inspection                      | Not needed [N]   | Fracture critical inspection date     |  |
| Other special inspection                          | Not needed [N]   | Other special inspection date         |  |