

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**

|                                             |                                |                                  |                            |                                                                     |                                            |
|---------------------------------------------|--------------------------------|----------------------------------|----------------------------|---------------------------------------------------------------------|--------------------------------------------|
| New Jersey [34]                             | Hunterdon County [019]         | Raritan [61920]                  | 1 MILE NORTH OF NJ 12      | 40-30-49.45 =<br>40.513736                                          | 074-55-17.30<br>= -74.921472               |
| 100Q160                                     | Highway agency district 2      | Owner County Highway Agency [02] | Maintenance responsibility | County Highway Agency [02]                                          |                                            |
| Route 0                                     | RAKE FACTORY ROAD              | Toll On free road [3]            | Features intersected       | TRIB WICKECHEOKE CREEK                                              |                                            |
| Design - main<br>1                          | Steel [3]<br>Truss - Thru [10] | Design - approach<br>0           | Other [00]                 | Kilometerpoint<br>0 km = 0.0 mi                                     | Year built 1930<br>Year reconstructed 1994 |
|                                             |                                |                                  |                            | Skew angle 0                                                        | Structure Flared                           |
|                                             |                                |                                  |                            | Historical significance<br>Bridge is not eligible for the NRHP. [5] |                                            |
| Total length                                | 16.2 m = 53.2 ft               | Length of maximum span           | 15.6 m = 51.2 ft           | Deck width, out-to-out                                              | 4.6 m = 15.1 ft                            |
| Inventory Route, Total Horizontal Clearance | 4.5 m = 14.8 ft                | Curb or sidewalk width - left    | 0 m = 0.0 ft               | Curb or sidewalk width - right                                      | 0 m = 0.0 ft                               |
| Deck structure type                         | Corrugated Steel [6]           |                                  |                            |                                                                     |                                            |
| Type of wearing surface                     | Bituminous [6]                 |                                  |                            |                                                                     |                                            |
| Deck protection                             |                                |                                  |                            |                                                                     |                                            |
| Type of membrane/wearing surface            | Preformed Fabric [2]           |                                  |                            |                                                                     |                                            |

**Weight Limits**

|                       |                                      |                                   |                  |                             |
|-----------------------|--------------------------------------|-----------------------------------|------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Load Factor(LF) [1]               | Inventory rating | 23.6 metric ton = 26.0 tons |
| 0.5 km = 0.3 mi       | Method to determine operating rating | Load Factor(LF) [1]               | Operating rating | 39.9 metric ton = 43.9 tons |
|                       | Bridge posting                       | Equal to or above legal loads [5] | Design Load      |                             |

### Functional Details

|                                                             |                                       |                            |                                                   |                                                |                                        |                        |                              |     |      |      |
|-------------------------------------------------------------|---------------------------------------|----------------------------|---------------------------------------------------|------------------------------------------------|----------------------------------------|------------------------|------------------------------|-----|------|------|
| Average Daily Traffic                                       | 374                                   | Average daily truck traffi | 3                                                 | %                                              | Year                                   | 2013                   | Future average daily traffic | 499 | Year | 2033 |
| Road classification                                         | Local (Rural) [09]                    |                            | Lanes on structure                                | 1                                              |                                        | Approach roadway width | 7 m = 23.0 ft                |     |      |      |
| Type of service on bridge                                   | Highway [1]                           |                            | Direction of traffic                              | One lane bridge for 2 - way traffic [3]        |                                        | 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 | 99.99 m = 328.1 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           | 540000                          | Roadway improvement cost                              | 30000              |        |  |  |  |  |  |
|                                                                                                                                     | Length of structure improvement   | 16.2 m = 53.2 ft                |                                                       | Total project cost | 780000 |  |  |  |  |  |
|                                                                                                                                     | Year of improvement cost estimate | 2009                            |                                                       |                    |        |  |  |  |  |  |
|                                                                                                                                     | Border bridge - state             |                                 | Border bridge - percent responsibility of other state |                    |        |  |  |  |  |  |
|                                                                                                                                     | Border bridge - structure number  |                                 |                                                       |                    |        |  |  |  |  |  |

## Inspection and Sufficiency

|                                                   |                                                                                                                                                                                                             |                                       |                                                                                                              |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Structure status                                  | <input type="text" value="Open, no restriction [A]"/>                                                                                                                                                       | Appraisal ratings - structural        | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| Condition ratings - superstructure                | <input type="text" value="Fair [5]"/>                                                                                                                                                                       | Appraisal ratings - roadway alignment | <input type="text" value="Better than present minimum criteria [7]"/>                                        |
| Condition ratings - substructure                  | <input type="text" value="Fair [5]"/>                                                                                                                                                                       | Appraisal ratings - deck geometry     | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>                |
| Condition ratings - deck                          | <input type="text" value="Good [7]"/>                                                                                                                                                                       |                                       |                                                                                                              |
| Scour                                             | <input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>                                                                                 |                                       |                                                                                                              |
| Channel and channel protection                    | <input type="text" value="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                | <input type="text" value="Better than present minimum criteria [7]"/>                                                                                                                                       | Status evaluation                     | <input type="text" value="Functionally obsolete [2]"/>                                                       |
| Pier or abutment protection                       | <input type="text"/>                                                                                                                                                                                        | Sufficiency rating                    | <input type="text" value="53.4"/>                                                                            |
| Culverts                                          | <input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>                                                                                                                        |                                       |                                                                                                              |
| Traffic safety features - railings                | <input type="text"/>                                                                                                                                                                                        |                                       |                                                                                                              |
| Traffic safety features - transitions             | <input type="text"/>                                                                                                                                                                                        |                                       |                                                                                                              |
| Traffic safety features - approach guardrail      | <input type="text"/>                                                                                                                                                                                        |                                       |                                                                                                              |
| Traffic safety features - approach guardrail ends | <input type="text"/>                                                                                                                                                                                        |                                       |                                                                                                              |
| Inspection date                                   | <input type="text" value="June 2013 [0613]"/>                                                                                                                                                               | Designated inspection frequency       | <input type="text" value="24"/> Months                                                                       |
| Underwater inspection                             | <input type="text" value="Not needed [N]"/>                                                                                                                                                                 | Underwater inspection date            | <input type="text"/>                                                                                         |
| Fracture critical inspection                      | <input type="text" value="Every two years [Y24]"/>                                                                                                                                                          | Fracture critical inspection date     | <input type="text" value="June 2013 [0613]"/>                                                                |
| Other special inspection                          | <input type="text" value="Not needed [N]"/>                                                                                                                                                                 | Other special inspection date         | <input type="text"/>                                                                                         |