

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]         | Franklin [24870]                            | 0.5 MILE EAST OF CO RT513  | 40-35-40.97 =<br>40.594714               | 074-56-18.48<br>= -74.938467               |
| 10XXF54                            | Highway agency district 2      | Owner County Highway Agency [02]            | Maintenance responsibility | County Highway Agency [02]               |  |
| Route 0                            | LOWER KINGTOWN RD              | Toll On free road [3]                       | Features intersected       | CAPOOLONG 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 1925<br>Year reconstructed 1999 |
|                                    |                                |   | Skew angle 0               | Structure Flared                         |  |
|                                    |                                |   | Historical significance    | Bridge is not eligible for the NRHP. [5] |  |
| Total length                       | 16.2 m = 53.2 ft               | Length of maximum span                      | 15.9 m = 52.2 ft           | Deck width, out-to-out                   | 4.4 m = 14.4 ft                            |
| Bridge roadway width, curb-to-curb | 4.3 m = 14.1 ft                | Inventory Route, Total Horizontal Clearance | 4.3 m = 14.1 ft            | Curb or sidewalk width - left            | 0 m = 0.0 ft                               |
|                                    |                                |   |                            | Curb or sidewalk width - right           | 0 m = 0.0 ft                               |
| Deck structure type                | Wood or Timber [8]             |   |                            |  |  |
| Type of wearing surface            | Bituminous [6]                 |   |                            |  |  |
| Deck protection                    |                                |   |                            |  |  |
| Type of membrane/wearing surface   | Other [9]                      |   |                            |  |  |

**Weight Limits**

|                       |                                      |                     |                   |                             |
|-----------------------|--------------------------------------|---------------------|-------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Load Factor(LF) [1] | Inventory rating  | 38.1 metric ton = 41.9 tons |
| 0.5 km = 0.3 mi       | Method to determine operating rating | Load Factor(LF) [1] | Operating rating  | 64.4 metric ton = 70.8 tons |
| Bridge posting        | Equal to or above legal loads [5]    | Design Load         | M 13.5 / H 15 [2] |                             |

### Functional Details

|   |                                       |                            |   |  |  |                        |                              |     |      |      |
|---|---------------------------------------|----------------------------|---|--|--|------------------------|------------------------------|-----|------|------|
| Average Daily Traffic                                       | 745                                   | Average daily truck traffi | 3   | %  | Year                                   | 2013                   | Future average daily traffic | 908 | Year | 2033 |
| Road classification   | Local (Rural) [09]                    |                            | Lanes on structure                                | 1  |  | Approach roadway width | 4 m = 13.1 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           | 1125000                         | Roadway improvement cost                              | 87000              |         |  |  |  |  |  |
|   | Length of structure improvement   | 23.2 m = 76.1 ft                |   | Total project cost | 1559000 |  |  |  |  |  |
|   | Year of improvement cost estimate | 2013                            |   |                    |         |  |  |  |  |  |
|   | 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        | Meets minimum tolerable limits to be left in place as is [4]     |
| Condition ratings - superstructure                | Poor [4]   | Appraisal ratings - roadway alignment | Meets minimum tolerable limits to be left in place as is [4]     |
| Condition ratings - substructure                  | Poor [4]   | Appraisal ratings - deck geometry     | Basically intolerable requiring high priority of replacement [2] |
| Condition ratings - deck                          | Good [7]   |                                       |  |
| Scour   | Bridge is scour critical; bridge foundations determined to be unstable. [3]  |                                       |  |
| Channel and channel protection                    | Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5] |                                       |  |
| Appraisal ratings - water adequacy                | Superior to present desirable criteria [9]   | Status evaluation                     | Structurally deficient [1]                                       |
| Pier or abutment protection                       |  | Sufficiency rating                    | 43.6   |
| Culverts  | Not applicable. Used if structure is not a culvert. [N]  |                                       |  |
| Traffic safety features - railings                |  |                                       |  |
| Traffic safety features - transitions             |  |                                       |  |
| Traffic safety features - approach guardrail      |  |                                       |  |
| Traffic safety features - approach guardrail ends |  |                                       |  |
| Inspection date                                   | July 2013 [0713]   | Designated inspection frequency       | 24 Months  |
| Underwater inspection                             | Not needed [N]   | Underwater inspection date            |  |
| Fracture critical inspection                      | Every two years [Y24]  | Fracture critical inspection date     | July 2013 [0713]   |
| Other special inspection                          | Not needed [N]   | Other special inspection date         |  |