HistoricBridges.org - National Bridge Inventory Data Sheet

The National Bridge Inventory contains data submitted by state transportion 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 | | | | | | | 41-38-23.26 = | 071-15-28.37 |
|-------------------------|----------------------|---------------------|-----------------------------|--------------------------------|-------------------|-----------------|------------------------|---------------------|
| Rhode Island [44] | Bristol County [001] | | Bristol [09280] | 0.8 Mi S of JCT RI 13 | 38 | | 41.639794 | = -71.257881 |
| 3000 | Highway agency | district: 6 | Owner State Toll Autho | rity [31] | Maintenance | responsibility | State Toll Authority | [31] |
| Route 114 | RI 114 | | Toll On fre | e road [3] | Features intersec | ted MT HP BY, | N SEC RR,114 LP | |
| Design - Steel [3] main | | Design - approach | [3] | Kilometerpoint 15 | 537 km = 952.9 m | i | | |
| | .[12] | | r and floorhoom system [02] | Year built 1929 | Year red | onstructed 198 | 5 | |
| 3 Suspension | 1[13] | Z8 GII UE | r and floorbeam system [03] | Skew angle 0 | Structure FI | ared | | |
| | | | | Historical significance | e Bridge is | on the NRHP. [| 1] | |
| Total length 1480.7 i | m = 4858.2 ft Leng | th of maximum sp | an 365.8 m = 1200.2 ft | Deck width, out-to-o | out 9.7 m = 31.8 | ft Bridge road | dway width, curb-to-cu | urb 8.2 m = 26.9 ft |
| Inventory Route, Total | Horizontal Clearance | 8.2 m = 26.9 ft | Curb or sidewalk wi | dth - left $0.7 \text{ m} = 2$ | .3 ft | Curb or side | ewalk width - right | 0.7 m = 2.3 ft |
| Deck structure type | Clo | sed Grating [4] | | | | | | |
| Type of wearing surface | ce Bitu | uminous [6] | | | | | | |
| Deck protection | Oth | ner [9] | | | | | | |
| Type of membrane/we | earing surface | | | | | | | |
| | | | | | | | | |
| Weight Limits | | | | | | | | |
| Bypass, detour length | Method to determin | ne inventory rating | Load and Resistance | e Factor Rating (L Inv | ventory rating | 20.1 metric ton | = 22.1 tons | |
| 3.2 km = 2.0 mi | Method to determin | ne operating rating | Load and Resistance | e Factor Rating (L O | perating rating | 26.2 metric ton | = 28.8 tons | |
| | Bridge posting E | iqual to or above I | egal loads [5] | De | esign Load MS | 18 / HS 20 [5] | | |

| Functional Details | | | | | | | | |
|---|--|---------------------------------------|---|--|--|--|--|--|
| Average Daily Traffic 13000 Average daily tru | uck traffi 2 % Year 2015 Futur | re average daily traffic 15600 Ye | ar 2036 | | | | | |
| Road classification Other Principal Arterial (Urban) | [14] Lanes on structure 2 | Approach road | dway width 12.2 m = 40.0 ft | | | | | |
| Type of service on bridge Highway [1] | Direction of traffic 2 - way traff | fic [2] Bridge | e median | | | | | |
| Parallel structure designation No parallel structure | e exists. [N] | | | | | | | |
| Type of service under bridge Highway-waterway-rail | road [8] Lanes under structure 2 | Navigation control Navigation control | on waterway (bridge permit required). [1] | | | | | |
| Navigation vertical clearanc 30.2 m = 99.1 ft | Navigation horizontal | clearance 30.2 m = 99.1 ft | | | | | | |
| Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway 5.18 m = 17.0 ft | | | | | | | | |
| Minimum lateral underclearance reference feature Highway beneath structure [H] | | | | | | | | |
| Minimum lateral underclearance on right 9.1 m = 29.9 ft Minimum lateral underclearance on left 9.1 m = 29.9 ft | | | | | | | | |
| Minimum Vertical Underclearance 4.3 m = 14.1 ft Minimum vertical underclearance reference feature Highway beneath structure [H] | | | | | | | | |
| Appraisal ratings - underclearances Meets minimum | tolerable limits to be left in place as is [4] | | | | | | | |
| | | | | | | | | |
| Repair and Replacement Plans | | | 7 | | | | | |
| Type of work to be performed | Work done by Work to be done by contract | tt [1] | | | | | | |
| Bridge rehabilitation because of general structure deterioration or inadequate strength. [35] | Bridge improvement cost 9000000 | Roadway improvement cost | 900000 | | | | | |
| deterioration or madequate strength [50] | Length of structure improvement 148 | 30.7 m = 4858.2 ft Total project cost | 13500000 | | | | | |
| | Year of improvement cost estimate | | | | | | | |
| | Border bridge - state | Border bridge - percen | t responsibility of other state | | | | | |
| | Border bridge - structure number | | | | | | | |

| Inspection and Sufficiency | | | | | | | |
|--|--|-----------------------------------|---|---|--|--|--|
| Structure status Open, no resi | riction [A] | Appraisal ratings - structural | Somewhat is [5] | Somewhat better than minimum adequacy to tolerate being left in place as is [5] | | | |
| Condition ratings - superstructure | Condition ratings - superstructure Satisfactory [6] | | Equal to present minimum criteria [6] | | | | |
| Condition ratings - substructure | Satisfactory [6] | Appraisal ratings - deck geometry | Basically intolerable requiring high priority of corrrective action [3] | | | | |
| Condition ratings - deck | Satisfactory [6] | | | | | | |
| Scour | Bridge is scour critical; bridg | e foundations determined t | to be unstable | e. [3] | | | |
| Channel and channel protection | Bank protection is in need of Banks and/or channel have i | | rol devices an | nd embankment protection have a little minor damage. | | | |
| Appraisal ratings - water adequacy | Superior to present desirable | e criteria [9] | | Status evaluation Functionally obsolete [2] | | | |
| Pier or abutment protection | None present but re-evaluat | ion suggested [5] | | Sufficiency rating 49 | | | |
| Culverts Not applicable. Used it | structure is not a culvert. [N] | | | | | | |
| Traffic safety features - railings | | | | | | | |
| Traffic safety features - transition: | 5 | | | | | | |
| Traffic safety features - approach | guardrail | | | | | | |
| Traffic safety features - approach | guardrail ends | | | | | | |
| Inspection date November 2016 [1116] Designated inspection frequency 24 Months | | | | | | | |
| Underwater inspection | Jnknown [Y60] | Underwater inspec | ction date | November 2016 [1116] | | | |
| Fracture critical inspection | Every two years [Y24] | Fracture critical ins | spection date | November 2016 [1116] | | | |
| Other special inspection | Not needed [N] | Other special inspe | ection date | | | | |