

# HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

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

|   |  |   |  |                                      |                                      |
|---|--|---|--|--------------------------------------|--------------------------------------|
| Ohio [39]                                   | Hamilton County [061]  | Cincinnati [15000]                          | INT KEMPER LN & PARK AVE   | 39-07-09.02 = 39.119172              | 084-29-14.59 = -84.487386            |
| 3160777                                     | Highway agency district: 8                                   | Owner City or Municipal Highway Agency [04] | Maintenance responsibility City or Municipal Highway Agency [04] |                                      |                                      |
| Route 674                                   | Eden Park Dr   | Toll On free road [3]                       | Features intersected KEMPER LANE                                 |                                      |                                      |
| Design - main                               | Concrete [1]   | Design - approach                           |  | Kilometerpoint 5972.6 km = 3703.0 mi |                                      |
| 1   | Arch - Deck [11]   | 8   | Other [00]   | Year built 1917                      | Year reconstructed 1939              |
|   |  |   |  | Skew angle 0                         | Structure Flared                     |
|   |  |   |  | Historical significance              | Bridge is eligible for the NRHP. [2] |
| Total length                                | 110.3 m = 361.9 ft   | Length of maximum span                      | 54.9 m = 180.1 ft  | Deck width, out-to-out               | 19.8 m = 65.0 ft                     |
| Inventory Route, Total Horizontal Clearance | 12.2 m = 40.0 ft   | Curb or sidewalk width - left               | 3.4 m = 11.2 ft  | Curb or sidewalk width - right       | 3.4 m = 11.2 ft                      |
| Deck structure type                         | Concrete Cast-in-Place [1]                                   |   |  |                                      |                                      |
| Type of wearing surface                     | Latex Concrete or similar additive [3]                       |   |  |                                      |                                      |
| Deck protection                             | Not applicable (applies only to structures with no deck) [N] |   |  |                                      |                                      |
| Type of membrane/wearing surface            | Not applicable (applies only to structures with no deck) [N] |   |  |                                      |                                      |

## Weight Limits

|                       |                                      |   |                             |
|-----------------------|--------------------------------------|---|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Load Factor (LF) rating reported by rating agency | Inventory rating            |
| 0 km = 0.0 mi         |                                      |   | 20.4 metric ton = 22.4 tons |
|                       | Method to determine operating rating | Load Factor (LF) rating reported by rating agency | Operating rating            |
|                       |                                      |   | 33.7 metric ton = 37.1 tons |
| Bridge posting        | 30.0 - 39.9 % below [1]              | Design Load                                       | M 13.5 / H 15 [2]           |

### Functional Details

|   |  |                            |   |                               |      |  |                                  |       |      |      |
|---|--|----------------------------|---|-------------------------------|------|--|----------------------------------|-------|------|------|
| Average Daily Traffic                                       | 7967                                       | Average daily truck traffi | 1   | %                             | Year | 2015   | Future average daily traffic     | 11058 | Year | 2040 |
| Road classification   | Minor Arterial (Urban) [16]                |                            | Lanes on structure                                | 4                             |      | Approach roadway width                         | 12.2 m = 40.0 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                                | Highway, with or without ped               |                            | Lanes under structure                             | 2                             |      | Navigation control                             | Not applicable, no waterway. [N] |       |      |      |
| 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            | Highway beneath structure [H]              |                            |   |                               |      |  |                                  |       |      |      |
| Minimum lateral underclearance on right                     | 13.4 m = 44.0 ft                           |                            |   |                               |      | Minimum lateral underclearance on left         | 18.3 m = 60.0 ft                 |       |      |      |
| Minimum Vertical Underclearance                             | 10.97 m = 36.0 ft                          |                            | Minimum vertical underclearance reference feature | Highway beneath structure [H] |      |  |                                  |       |      |      |
| Appraisal ratings - underclearances                         | Superior to present desirable criteria [9] |                            |   |                               |      |  |                                  |       |      |      |

### Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost

0

Roadway improvement cost

0

Length of structure improvement

0 m = 0.0 ft

Total project cost

0

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, posting recommended but not legally implemented [B] | Appraisal ratings - structural        | Somewhat better than minimum adequacy to tolerate being left in place as is [5] |
| Condition ratings - superstructure                | Satisfactory [6]  | Appraisal ratings - roadway alignment | Equal to present desirable criteria [8]   |
| Condition ratings - substructure                  | Good [7]  | Appraisal ratings - deck geometry     | Basically intolerable requiring high priority of replacement [2]                |
| Condition ratings - deck                          | Good [7]  |                                       |   |
| Scour   | Bridge not over waterway. [N]                             |                                       |   |
| Channel and channel protection                    | Not applicable. [N]                                       |                                       |   |
| Appraisal ratings - water adequacy                | N/A [N]   | Status evaluation                     | Functionally obsolete [2]   |
| Pier or abutment protection                       |   | Sufficiency rating                    | 64.5  |
| Culverts  | Not applicable. Used if structure is not a culvert. [N]   |                                       |   |
| Traffic safety features - railings                |   |                                       |   |
| Traffic safety features - transitions             | Not applicable or a safety feature is not required. [N]   |                                       |   |
| Traffic safety features - approach guardrail      |   |                                       |   |
| Traffic safety features - approach guardrail ends |   |                                       |   |
| Inspection date                                   | December 2018 [1218]                                      | Designated inspection frequency       | 12 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         |   |