**CITY OF PEWAUKEE**

**2016 Capital Improvement Project Request Form**

**Department:** Public Works Engineering & Storm Water

**Project Name:** Duplainville Road Bridge Analysis

## PROJECT COSTS / REVENUES

*COSTS*

| Year | Amount 1 | Source 1 | Amount 2 | Source 2 | Amount 3 | Source 3 | Amount 4 | Source 4 | Total |
|---|---|---|---|---|---|---|---|---|---|
| 2015 | $ 6,000 | storm water | | | | | | | $ 6,000 |
| 2016 | $ 50,000 | storm water | | | | | | | $ 50,000 |
| 2017 | $ 50,000 | road fund | | | | | | | $ 50,000 |
| 2018 | $ 450,000 | road fund | $ 450,000 | storm water | | | | | $ 900,000 |
| 2019 | | | | | | | | | $ - |

*REVENUES*

| Year | Amount 1 | Source 1 | Amount 2 | Source 2 | Amount 3 | Source 3 | Amount 4 | Source 4 | Total |
|---|---|---|---|---|---|---|---|---|---|
| 2015 | | | | | | | | | $ - |
| 2016 | | | | | | | | | $ - |
| 2017 | | | | | | | | | $ - |
| 2018 | $ 720,000 | State Grant 80% | | | | | | | $ 720,000 |
| 2019 | | | | | | | | | $ - |

## PROJECT IMPACTS

*Impact on the Community:*

The Duplainville Road bridge spans Spring Creek between Capital Drive and Lindsay Road. Duplainville Road is a local arterial and a failure of the Duplainville Road bridge could have significant impacts on the community. We anticipate that the October 2015 Bridge Inspection will result in a Sufficiency Rating of below 50 which would qualify us to submit the bridge for grant assistance, assumed to be 80% reimbursable.

*Visibility in the Community:*

Duplainville Road is a highly visible element in the community.

*Impact of Not Approving:*

Failure to repair the Duplainville Road bridge deterioration could lead to a catastrophic failure of the bridge and significantly impact the arterial traffic that uses Duplainville Road.

*Regulatory:* This project is in anticipation of keeping up with our regulatory requirements of maintaining this bridge.

*Operations:* The Street department performs maintenance on both Duplainville Road and this bridge.

*Project Category:* Public Works Infrastructure maintenance (road/drainage)

*Dept. Sharing:* Streets Division, Storm Water Utility

*Project Criticality:* Highly critical for street pavement and bridge maintenance

*Cost Code:*

*New / Used:* New

*Expected Life:* 30 yrs. Road; 50 years bridge

*Department Ranking:* High

**Department:** Public Works Engineering & Storm Water

**CITY OF PEWAUKEE**

**2016 Capital Improvement Project Request Form**

| | |
|---|---|
| **Project Name:** | **Duplainville Road Bridge Analysis** |
| **Advocate:** | **Jeffrey Weigel, PWD** |
| **2016 Cost:** | **$50,000** |

**Project Description:**

The Duplainville Road bridge is our oldest, with the central parts dating back to the 1920's. The project costs for 2016 include preliminary hydraulic analysis as the first part of bridge replacement design process. The 2017 costs include the design of the bridge replacement in conformance with the State and Federal standards. We anticipate a full bridge replacement in 2018, pending grant considerations, with an expected cost share of 80% by the State.

**Map or Photo:**