OTTUMWA

CITY OF BRIDGES...RIVER OF OPPORTUNITY

**DATE:** 7-30-10
**TO:** I-Jobs II
**FROM:** Larry Seals, Ottumwa Public Works Director
**SUBJECT:** Flood Protection Storm System Maintenance.

The proposed improvements in the I-Jobs II Applications will ultimately decrease the amount of maintenance costs of the city. The FY '11 sewer maintenance budget is $629,178. This includes the entire sewer system considering labor, material and equipment. The retrofit storm sewer system will require less general repairs and be self cleaning, reducing the amount of debris needed to be mechanically removed.

To ensure the longevity and efficiency of the system, the storm sewers will be cleaned on a 5 year basis and televised every 10 years. The costs of these procedures are estimated as follows:

**CLEANING COSTS**

| Sewer Diameter | Linear feet of pipe in project | Cleaning Cost per L.F. | Cleaning Cost |
|---|---|---|---|
| 6" - 36" | 2001 L.F. | $0.40 / L.F. | $800.40 |
| 30" | 1350 L.F. | $0.74 / L.F. | $999.00 |
| TOTALS | 3,351 L.F | | $1,799.40 |

**Estimated Annual Cleaning Cost= $359.88**

**TELEVISING COSTS**

| Sewer Diameter | Linear feet of pipe in project | Televising Cost per L.F. | Televising cost |
|---|---|---|---|
| 6" - 36" | 2001 L.F. | $0.40 / L.F. | $800.40 |
| 30" + | 1350 L.F. | $0.74 / L.F. | $999.00 |
| TOTALS | 3,351 L.F | | $1,799.40 |

**Estimated Annual Televising Cost $179.94**

Annual Maintenance costs including cleaning and televising are estimated at $539.82.

Maintenance Budget: $629,178
Sincerely,

Larry Seals

Larry Seals, Public Works Director

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