



**CAPITAL IMPROVEMENT PROJECT (CIP) REQUEST - FY23
FORM A - DESIGN & CONSTRUCTION**

| | | | |
|-------------------------------------|-------------------------|---------------|--|
| Project Title: | FY23 Sewer Improvements | | |
| Project Address: | Various | | |
| Department: | IAM - Engineering | | |
| Project Mgr.: | Jonathan Smith | Email: | jsmith@somervillema.gov |
| New Project or Modification: | New Project | | |

Department Priority:

Rank your project(s) in order of priority from your point of view. If you propose four projects, rank them 1, 2, 3, 4, with 1 being the highest, and so forth.

Project Description/Scope of Work:

The FY23 Sewer Improvements will be a design and construction project. The rehabilitations proposed will be trenchless repairs and limited excavation work to the sewer system. These rehabilitations will be designed based on information gathered in the ongoing CCTV Inspection under Sewer System Evaluation Study (SSES) Project.

Justification:

During the CCTV Inspection under Sewer System Evaluation Study (SSES) Project, critical defects to the system have been identified. These defects necessitate rehabilitations to ensure continuing system function and integrity of the overlaying roadways. Rehabilitations to the existing system will alleviate the need for costly emergency work when failures inevitably occur in the system.

Relationship to Other Projects:

The FY23 Sewer Improvements relate to the ongoing CCTV Inspection under Sewer System Evaluation Study (SSES) Project. This work aligns with the long term goal to evaluate and rehabilitate the entire existing sewer system, city-wide. Sewer rehabilitations further support our department's goal of reducing Infiltration and Inflow (I/I) to our sewer system as I/I results in additional operational costs as water handling fees paid to MWRA.

Category: Please check all appropriate boxes

- Architectural/Engineering Feasibility Study
- Architectural/Engineering Construction Document Services & Construction Admin
- Building Alteration/Repair/Renovation/Addition/New Construction
- Building Improvements (non-construction)
- Purchase of Equipment (incl. vehicles, office equipment, hardware, etc.)
- Information Technology Systems/Platforms (e.g. cloud based, internet based, etc.)
- Street/Sidewalk/Monument Improvements
- Water Improvements
- Sewer Improvements
- Land Development
- Land Acquisition
- Land Disposition
- Parks and Open Space
- Other

Operational Impact:

There are no additional operational costs associated with this work.

What impact will this project have on operational costs?

- Reduce Cost (greater than 5%)
- Reduce Cost (less than 5%)
- Cost Unchanged
- Increase Cost (less than 5%)
- Increase Cost (greater than 5%)

Design and Construction Project Funding

| | Total Estimated Cost | Prior Years Funding | FY 23 | FY 24 | FY25 | FY 26 | FY 27 |
|--|----------------------|---------------------|---------------------|---------------------|-------------|-------------|-------------|
| Capital Costs: | | | | | | | |
| Feasibility Study | \$ - | | | | | | |
| Land Acquisition/Appraisal | \$ - | - | - | - | - | - | - |
| Environmental Remediation/LSP | \$ - | | | | | | |
| Demolition & Site Clearance | \$ - | - | - | - | - | - | - |
| Owner's Proj. Mgr./Clerk of the Works | \$ - | | | | | | |
| Designer Services (SD through CA) | \$ 640,000 | | 450,000 | 190,000 | | | |
| Construction | \$ 3,000,000 | - | 1,000,000 | 2,000,000 | | | |
| Insurance (builder's risk, addtl. Polices) | \$ - | - | | | | | |
| Furniture & Equipment (FFE) | \$ - | | | | | | |
| Police Details | \$ 100,000 | - | 33,000 | 67,000 | | | |
| Contingency | \$ 650,000 | | 250,000 | 400,000 | | | |
| Other (Specify) | \$ - | - | - | - | - | - | - |
| Other (Specify) | \$ - | - | - | - | - | - | - |
| Total: | \$ 4,390,000 | \$ - | \$ 1,733,000 | \$ 2,657,000 | \$ - | \$ - | \$ - |

The cost estimate is based on a preliminary plan to address the most critical pipes in the study area of the CCTV project within a single construction season (calendar year 2022). Due to the abundance of critical defects in the system, the cost estimate contained herein is not intended to fix all sewer system defects in the study area, rather addressing the most critical defects encountered.

Please provide suggested sources. This section will be finalized jointly by Finance and the Department.

| | Total Estimated Cost | Prior Years Funding | FY 23 | FY 24 | FY25 | FY 26 | FY 27 |
|-------------------------|----------------------|---------------------|---------------------|---------------------|-------------|-------------|-------------|
| Funding Sources: | | | | | | | |
| Stabilization Fund | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| GO Bonds | \$ 4,390,000 | - | 1,733,000 | 2,657,000 | | | |
| Retained Earnings | \$ - | | | | | | |
| General Fund | \$ - | | | | | | |
| Special Assmnt. | \$ - | - | - | - | - | - | - |
| Ch. 90 | \$ - | | | | | | |
| Grants | \$ - | - | - | - | - | - | - |
| Receipts Reserved | \$ - | | | | | | |
| Other (Specify) | \$ - | - | - | - | - | - | - |
| Other (Specify) | \$ - | - | - | - | - | - | - |
| Total: | \$ 4,390,000 | \$ - | \$ 1,733,000 | \$ 2,657,000 | \$ - | \$ - | \$ - |

Evaluation Committee Use Only:

Reviewed and Approved By:

Requesting Department

Auditing

Purchasing

Date

Date

Date

Final Approval

Version

Draft

Revised

Accepted



CAPITAL IMPROVEMENT PROJECT (CIP) REQUEST - FY20
FORM B - EQUIPMENT & ASSETS

Equipment Requested:

Department:

Project Mgr.: **Email:**

New Project or Modification:

Department Priority:

Rank your project(s) in order of priority from your point of view. If you propose four projects, rank them 1, 2, 3, 4, with 1 being the highest, and so forth.

Equipment/Asset Description:

Please describe what the equipment or asset does; what it will be used for; etc.

Justification:

Please indicate the need for the project and what it is expected to accomplish and its anticipated useful life. Include how much the project will impact city operations. Support your case for why the proposed project is urgent, necessary or desirable.

Relationship to Other Projects:

Describe the relationship between proposed CIP and other projects or plans (e.g. SomerVision, Green Line Extension, Sustainaville/Climate Forward, VisionZero, inclusionary/affordable housing, etc.)

Operational Impact:

Please detail any additional operational costs or revenues, if any, that may be the result of this purchase e.g. the new equipment will reduce emergency repair costs by \$10,000 per year. Or the new equipment will lead to \$5,000 in additional fee revenue collected. Please enter these dollar amounts on the table below.

What impact will this project have on operational costs?

- Reduce Cost (greater than 5%)
- Reduce Cost (less than 5%)
- Cost Unchanged
- Increase Cost (less than 5%)
- Increase Cost (greater than 5%)

| | FY20 | FY21 | FY22 | FY23 | FY24 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|
| Average Annual Repair Costs | \$ - | \$ - | \$ - | \$ - | \$ - |
| Average Annual Maintenance Costs | - | - | - | - | - |
| Other (Specify) | - | - | - | - | - |
| Implementation | - | - | - | - | - |
| Other (Specify) | - | - | - | - | - |
| Total: | \$ - | \$ - | \$ - | \$ - | \$ - |

Estimated useful life:

Cost Per Unit: **# of Units Requested:** **Total Cost:**

Please describe how you came up with your cost estimate.

see other side

Equipment Being Replaced (if any):

| | Item | Make | Age | Avg. Maint. Cost | Avg Repair Costs | Rental Cost |
|----|------|------|-----|------------------|------------------|-------------|
| A. | | | | | | |
| B. | | | | | | |
| C. | | | | | | |
| D. | | | | | | |
| E. | | | | | | |

Recommended disposition of items being replaced:

Possible use by other departments, trade-in, surplus sale, etc.

Evaluation Committee Use Only:

Reviewed and Approved By:

Requesting Department
 Auditing
 Purchasing

Date
 Date
 Date

Final Approval

Version

Draft
 Revised
 Accepted

New Project
First
Modification
Second
Third
Fourth
Fifth
Sixth
Seventh
Eighth
Ninth
Tenth

Urgent
Necessary
Desirable