



CAPITAL IMPROVEMENT PROJECT (CIP) REQUEST - FY22
FORM A - DESIGN & CONSTRUCTION

Project Title:	Marginal Interceptor Sewer Rehabilitation		
Project Address:	McGrath Highway across from Foss Park		
Department:	IAM - Engineering		
Project Mgr.:	Jonathan Smith	Email:	jsmith@somervillema.gov
New Project or Modification:	Modification to Existing 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 Marginal Interceptor Rehabilitation Project will address approximately 1300 linear feet of large diameter brick pipe in need of repair. The repair will be performed by cementitious lining of the pipe, allowing for all repairs to be performed without excavation of the overlying roadway along Route 28/McGrath Highway. Additionally, point repairs will be performed in an adjacent 60" pipe within Foss Park, including repairs to pipe stonework and a buried manhole structure.

Justification:

This repair is essential to ensuring the integrity of the overlying roadway, and providing long term capacity for stormwater conveyance to the MWRA's Marginal CSO Facility. The MWRA has pledged through a Financial Assistance Agreement to contribute \$1.4 Million toward the construction of the repairs.

Relationship to Other Projects:

This repair relates to the overall efforts to modernize our sewer and stormwater systems, ensuring the long term service of the S2 sewershed subsystem.

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:

This repair ensures that our partners at the MWRA are able to operate their Marginal CSO Facility in the manner required to limit combined sewer overflows to the Mystic River. During construction, the project team will be supported by the Somerville Fire Department should the need for manned-entry rescue arise. No additional City resources are required by this repair.

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 22	FY 23	FY 24	FY 25	FY 26
Capital Costs:							
Feasibility Study	\$ -						
Land Acquisition/Appraisal	\$ -	-	-	-	-	-	-
Environmental Remediation/LSP	\$ -						
Demolition & Site Clearance	\$ -	-	-	-	-	-	-
Owner's Proj. Mgr./Clerk of the Works	\$ -						
Designer Services (SD)	\$ 782,615	742,615	40,000				
Designer Services (CA)	\$ 330,012		330,012				
Construction	\$ 3,600,000	-	3,600,000	-	-	-	-
Insurance (builder's risk, addtl. Polices)	\$ -	-	-		-	-	-
Furniture & Equipment (FFE)	\$ -						
Police Details	\$ 70,950	-	70,950	-	-	-	-
Contingency	\$ 359,038		359,038				
Other: Debris Removal & Inspection	\$ 176,970	176,970	-	-	-	-	-
Other (Specify)	\$ -	-	-	-	-	-	-
Total:	\$ 5,319,585	\$ 919,585	\$ 4,400,000	\$ -	\$ -	\$ -	\$ -

These costs are based on the 100% design Opinion of Probable Construction Cost document authored by Kleinfelder in June 2021, along with preliminary Engineering Services During Construction costs to be finalized during construction bidding phase. The MWRA has agreed to share the cost of construction, with \$1.4 Million deployed to the City for construction costs. This disbursement will be made upon bid award.

The total project request is for \$4,400,000.

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

Funding Sources:		Prior Years Funding	FY 22	FY 23	FY 24	FY 25	FY 26
Stabilization Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds	\$ 3,742,615	742,615	3,000,000	-	-	-	-
Retained Earnings	\$ -						
General Fund	\$ -						
Special Assmnt.	\$ -	-	-	-	-	-	-
Ch. 90	\$ -						
Grants	\$ -	-	-	-	-	-	-
Receipts Reserved	\$ -						
Other (MWRA Financial Assistance Agr.)	\$ 1,400,000	-	1,400,000	-	-	-	-
Other (Sewer Enterprise)	\$ 176,970	176,970	-	-	-	-	-
Total:	\$ 5,319,585	\$ 919,585	\$ 4,400,000	\$ -	\$ -	\$ -	\$ -

Evaluation Committee Use Only:

Reviewed and Approved By:

Requesting Department

Auditing

Purchasing

Date

Date

Date

Final Approval

Version

Draft

Revised

Accepted