

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST FORM
FY24 ANNUAL FALL TOWN MEETING REQUEST FORM**

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|--|----------------------------|---------------------|
| Department: SEWER DIVISION | | ONE |
| Project Title and Description: CMOM | Total Project Cost: | \$500,000.00 |

Department/Division Head: Doug Pinard

Cost estimate was developed: Internally ☒ Externally ☐

| Basis of Estimated Costs (attach additional information if available) | | | If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts. | | |
|---|--------------|----------|--|----------------|-------|
| Capital: | Cost | Comments | Fiscal Year: | Capital | O & M |
| <i>Planning and Design</i> | | | FY23 | | |
| <i>Labor and Materials</i> | \$500,000.00 | | FY24 | \$500,000.00 | |
| <i>Administration</i> | | | FY25 | \$500,000.00 | |
| <i>Land Acquisition</i> | | | FY26 | \$500,000.00 | |
| <i>Equipment</i> | | | FY27 | \$1,000,000.00 | |
| <i>Other</i> | | | | | |
| <i>Contingency</i> | | | | | |
| Total Capital | \$500,000.00 | | | | |

Possible sources and amounts of funding, if known: _____

Project Justification and Objective: __Capacity, Management, Operations and Maintenance program. A CMOM program is an information – based program to effectively run a collection system and help lower the risk of National Pollutant Discharge Elimination System (NPDES) permit violation and discharge permit. CMOM is a mandatory revolving requirement for the Town of Plymouth through EPA

For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the next 5 Year Plan Yes ☐ No ☒
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

For Capital Equipment Requests:

☐ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

Attach additional information, estimates, or justification.



TOWN OF PLYMOUTH

Department of Public Works

Sewer Division

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FY-23 Capital Improvement Plan Request Priority # 1

Capacity, Management, Operational, Maintenance program (CMOM)

Background:

The Town of Plymouth entered into an agreement with the EPA in 2014 to implement a Corrective Action Plan for its sewer system. The system contains approximately 285,000 feet of gravity sewers, resulting in approximately 57,000 feet needing to be cleaned annually as part of its CMOM program.

In accordance with the EPA Clean Water Act Administrative Order Docket No. 13-006, The Town of Plymouth has developed and implemented a Capacity, Management, Operation and Maintenance (CMOM) corrective action plan. Since 2015, Environmental Partners has been involved in collecting data through routine cleaning and inspection of the Town's sewer system and developing a plan for long-term improvements.

The Town of Plymouth has retained Environmental Partners (EP) since 2015 to implement and coordinate the completion of a five-year Corrective Action Plan as required by the EPA through its CMOM Program. The objective of the Corrective Action Plan is to develop a Collection System Maintenance Plan after five years of data collection and plan development. Given the Town's limited cleaning capabilities and staffing, the Town has retained EP annually since 2015 to implement this plan, which is broken down into two Phases:

- Phase 1 encompasses data collection for the sewer collection system including routine cleaning and inspection of all gravity sewer and manholes in the system. EP retained the services of National Water Main Cleaning Company for the gravity sewer main work and Duke's Root Control (formerly Midwest Water Group) for the manhole work.
- Phase 2 encompasses plan development for the sewer collection system, which will identify the needs to develop a long-term plan for future sewer system improvements.

Project Justification:

The attached cost table outlines the estimated repair costs projected during CMOM investigations. The sewer division is requesting \$500,000 for FY-23 and will continue to seek funding in the amount of \$500,000 each subsequent fiscal year to continue the rehabilitation of our aging gravity sewer collection and conveyance system. As we move forward with this comprehensive rehabilitation plan of the Town's sewer collection system and pumping stations, we seek to mitigate environmental risk to the Town associated with sewer system overflows and comply with the EPA Clean Water Act Administrative Order Docket No. 13-006. This request will not address all the issues in the system; however, the most severe defects will be addressed first.

- Pipeline and manhole inspections were performed annually (between 2015-2019 and 2021-2022) in accordance with National Association of Sewer Service Companies (NASSCO) standards. These NASSCO standards were used in developing a priority list of pipelines and manholes to be rehabilitated and a list of identified pipeline deficiencies within the Town's sewer system. 2019-2020: Sewer CMOM Collection System Rehabilitation (~\$653,000) – Clean, CCTV, and CIPP lining of 5,200 ft of gravity sewer main. Miscellaneous manhole and pipeline repairs because of CMOM findings.
- 2021-2022: Sewer CMOM Collection System Rehabilitation (~\$435,000) – Clean, CCTV, and CIPP lining of 1,850 ft of gravity sewer main. Cementitious and epoxy lining of 200 vertical feet of sewer manholes. Miscellaneous manhole and pipeline repairs because of CMOM findings.

The Sewer Division appreciates your support for this article.