



M E M O R A N D U M
PUBLIC WORKS AND FACILITIES
ENVIRONMENTAL ENGINEERING DIVISION
County of Placer

TO: Board of Supervisors DATE: May 3, 2016
FROM: Ken Grehm, Director of Public Works and Facilities
By: Kevin Bell, P.E. Engineering Program Manager
SUBJECT: Environmental Engineering / Approve Plans and Specifications Sewer Maintenance
District 1 and Sewer Maintenance District 2 / 2016 Trenchless
Technology Sewer Rehabilitation Project

ACTION REQUESTED

Approve project Plans and Specifications for the 2016 Trenchless Technology Sewer Rehabilitation Project 08251 at an estimated cost of \$238,500, and authorize the Director of Public Works and Facilities, or designee, to advertise for bids.

BACKGROUND

Several miles of the underground sewer pipes in Sewer Maintenance District 1 (SMD 1), located in the North Auburn area, and Sewer Maintenance District 2 (SMD 2), located in the Granite Bay area, were constructed in the 1960's and 70's. Due to their age many pipes have developed cracks, separated joints or other defects. These defects result in infiltration of rain water causing higher flows in the collection system and at the wastewater treatment plants. This infiltration results in higher operational costs and is a contributing factor to sewer spills during major storm events.

Trenchless technology is a generic term that includes a number of methods for installing and rehabilitating underground pipelines without excavation. This significantly lowers the cost and reduces the time required to rehabilitate and extend the useful life of the pipe. The 2016 Trenchless Technology Sewer Rehabilitation Project (Project) provides for sewer pipe rehabilitation of approximately 1,900 linear feet in SMD 1 and 1,243 linear feet in SMD 2 using Cure In Place Pipe (CIPP) technology. CIPP uses a resin impregnated felt liner pulled into place and inflated with steam to mold the liner to the inside of the damaged pipe.

In order to proceed with the Project, staff recommends your Board approve the Plans and Specifications and authorize the Director of Public Works and Facilities, or designee, to advertise for bids. Staff will return to your Board to award and execute the construction Contract after bidding. A copy of the Project Plans and Specifications are available for review at the Clerk of the Board's office.

ENVIROMENTAL IMPACT

This Project is exempt from CEQA review pursuant to CEQA Guidelines Section 15302, Replacement and Reconstruction. Section 15302(c) allows for replacement or reconstruction of existing utility facilities involving no or negligible expansion in capacity.

FISCAL IMPACT

The estimated total Project cost is \$238,500 (\$148,500 for SMD 1 and \$90,000 for SMD 2) which includes an approximate 10% contingency. Funding for this Project is included in the FY15/16 Budgets for SMD 1 and SMD 2, and is funded through sewer user fees.

On File with Clerk of the Board: Project Plans and Specifications

