

**MEMORANDUM  
DEPARTMENT OF FACILITY SERVICES  
COUNTY OF PLACER**

To: **BOARD OF SUPERVISORS**

Date: **OCTOBER 24, 2006**

From:  **JAMES DURFEE / WILL DICKINSON**

Subject: **PROJECT NO. 40203 - 2006/07 TRENCHLESS TECHNOLOGY SEWER  
REHABILITATION**

**ACTION REQUESTED/RECOMMENDATION:** Staff recommends that your Board take the following actions with regards to Project No. 40203 - 2006/07 Trenchless Technology Sewer Rehabilitation:

1. Approve Plans and Specifications and authorize staff to solicit bids.
2. Adopt a Resolution authorizing the Director of Facility Services to execute the resulting construction contract in an amount not to exceed \$126,500, upon County Counsel's review and approval, and approve any required change orders consistent with the County Purchasing Manual and Section 20142 of the Public Contract Code.

**BACKGROUND:** A large portion of the underground sewer pipes in Placer County were constructed prior to 1975. Due primarily to their age, many have experienced some degree of degradation. This results in the infiltration of runoff during significant rain events. The inrush of rain water results in extremely high flows at our sewer treatment plants. County crews are continually working on repairs throughout the sanitary sewer collection system to reduce the amount of rain induced peak flows. In certain instances, it is extremely difficult to repair and/or replace the existing underground sewer pipes due to their depth or location; in these cases, some form of trenchless technology is less expensive and less disruptive.

Trenchless technology is a generic term for a number of different methods utilized for installing and rehabilitating underground utility systems without excavation. Materials are injected into the pipe needing repair, which upon curing molds itself to the original pipe. This creates a seamless lining which prevents infiltration, restores structural integrity, and eliminates joints that can weaken and allow root intrusion. Using cured-in-place sewer pipe rehabilitation will reduce the time needed to make the repairs, as well as reducing inconvenience to the public due to large scale excavations.

Project No. 40203 provides for the rehabilitation of approximately 2,280 lineal feet of sewer pipe using trenchless technology. In order to expedite completion of the rehabilitation work, staff recommends that your Board authorize staff to solicit bids and authorize the Director of Facility Services to execute the resulting construction contract.

**ENVIRONMENTAL CLEARANCE:** The rehabilitation work included in this project is categorically exempt from environmental review pursuant to Section 15301(b) "Existing Facilities" of the California Environmental Quality Act Guidelines.

**FISCAL IMPACT:** Based upon the Engineer's Estimate, the total construction cost for the project is estimated to be \$126,500 which includes an approximate 10% contingency. Funding for this project is available in the FY 2006/07 Budgets for SMD 1 (\$ 108,900) and SMD 3 (\$ 17,600).

ATTACHMENT: RESOLUTION

JD:WD:wd

cc: COUNTY EXECUTIVE OFFICE  
PROCUREMENT SERVICES

T:\Fac\BSMEMO2006\SD trenchless tech

# Before the Board of Supervisors County of Placer, State of California

**In the matter of: A RESOLUTION APPROVING  
PLANS AND SPECIFICATIONS, AUTHORIZING  
THE DEPARTMENT OF FACILITY SERVICES  
TO SOLICIT CONSTRUCTION BIDS FOR THE 2006/07  
TRENCHLESS TECHNOLOGY SEWER REHABILITATION  
PROJECT, AND DELEGATING AUTHORITY TO THE  
DIRECTOR OF FACILITY SERVICES TO TAKE VARIOUS  
ACTIONS ASSOCIATED WITH SAID PROJECT.**

Resolution \_\_\_\_\_

The following RESOLUTION was duly passed by the Board of Supervisors of the County of Placer at a regular meeting held \_\_\_\_\_, by the following vote on roll call:

Ayes:

Noes:

Absent:

Signed and approved by me after its passage:

\_\_\_\_\_  
Bill Santucci, Chairman  
Placer County Board of Supervisors

Attest:

\_\_\_\_\_  
Clerk of said Board

**BE IT HEREBY RESOLVED** by the Board of Supervisors of the County of Placer, State of California, that this Board approves the project plans and specifications and authorizes the Facility Services Department to solicit construction bids for the 2006/07 Trenchless Technology Sewer Rehabilitation, Project No. 40203; and

**BE IT FURTHER RESOLVED**, by the Board to authorize the Director of Facility Services to award and execute the construction contract in an amount not-to-exceed \$126,500, upon County Counsel's review and approval, and grant the authority to execute required change orders consistent with the County Purchasing Manual and Section 20142 of the Public Contract Code.

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