

**EXECUTIVE SUMMARY SHEET**

**DATE REPORT ISSUED:** 03/27/2006  
**ATTENTION:** Council President and City Council  
**ORIGINATING DEPARTMENT:** MWWD  
**SUBJECT:** Miramar Road Trunk Sewer  
**COUNCIL DISTRICT(S):** 1 & 7  
**STAFF CONTACT:** Albert Sohikish, (858) 614-5765

**REPORT NO.:**

**REQUESTED ACTION:**

Approval to advertise and award a construction contract to remove and replace approximately 5,456 feet of 15-inch diameter pipe with new 21-inch diameter pipe.

**STAFF RECOMMENDATION:**

Approve this action to remove approximately 5,456 feet of 15-inch diameter pipe and replace with new 21-inch diameter pipe through either open trench construction or pipe bursting (trench-less construction).

**EXECUTIVE SUMMARY:**

The Miramar Trunk Sewer was constructed in the late 1950's and consists of approximately 14,800 feet of vitrified clay pipe (VC) located within Rose Canyon. The 15-inch diameter trunk sewer east of Interstate 805 traverses Marine Corps Air Station (MCAS) Miramar before reaching Miramar Road. The trunk sewer collects and conveys flows from the commercial/industrial area north of Miramar Road east to Interstate 15 as well as from MCAS Miramar. Peak flows at this location are approaching the capacity of the pipe and based on the hydraulic analysis, the sewer does not have adequate capacity to handle current peak flows. For the past few years it has been necessary to have a portable pump in place for bypass pumping. During significant rain events staff manually operates the bypass pump to prevent sewer overflows from occurring at this constriction point. The proposed project will upgrade the existing 15-inch diameter sewer line, east and west of Interstate 805, to a 21-inch diameter line. There is a risk of future sewer spills if this project is not completed.

A significant portion of the wet weather peak flow is due to inflow and infiltration (I&I) from MCAS. MCAS recognizes their I&I contribution to the sewer system and for the past three years has been making efforts to reduce or eliminate the inflows. The first action MCAS took was to divert flows at the aircraft wash down areas from the sewer to the storm drain system during rain events. MCAS currently has a contract to perform televised inspections of various pipelines. They will also be doing additional isolation flow metering this winter to try to pinpoint sources of inflow. MCAS is invoiced directly for treatment costs based on flow, so they have been paying for their I&I flows. MWWD and MCAS have met concerning the cost of operating the bypass pumping system and they have been invoiced accordingly. The 21-inch diameter pipeline was determined to be the appropriate size to accommodate growth projections within the trunk sewer's tributary area to the year 2050. The increased capacity will eliminate the need for bypass pumping while MCAS addresses their I&I problem, however it was not upsized to accommodate their flows.

**FISCAL CONSIDERATIONS:**

This request is for \$3,954,777 and funding will be available in Sewer Fund 41506, CIP No. 46-195.8, Miramar Road Trunk Sewer Replacement Project.

**PREVIOUS COUNCIL and/or COMMITTEE ACTION:**

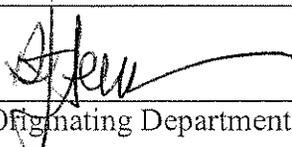
This project will be presented to the Natural Resources & Culture Committee (NR&C) on September 13, 2006. On April 6, 2006, the Planning Commission considered the testimony and voted 6-1 to approve the sewer replacement/upgrade with the condition that only the pipe bursting method of installation be used. On July 24, 2006, MWWWD appealed the Planning Commission decision. The City Council granted the appeal under Resolution No. R-301671 and approved the Site Development Permit No. 87992 allowing either pipe bursting or open trench installation.

**COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:**

1. This project was presented to the University Community Planning Group on March 14, 2006, and two other previous occasions. The Community Planning Group approved the trunk sewer replacement.
2. Debby Knight of the Friends of Rose Canyon forwarded a letter, dated February 11, 2006, recommending a full Environmental Impact Report (EIR) to address project issues. The City of San Diego, Development Services Department is the Lead Agency and has determined that the prepared Mitigated Negative Declaration (MND) is in compliance with the California Environmental Quality Act and State CEQA Guidelines.

**KEY STAKEHOLDERS & PROJECTED IMPACTS (if applicable):**

The residents of University City and Friends of Rose Canyon are stakeholders. Impacts from the project will be avoided or mitigated as indicated in the approved environmental document, Mitigated Negative Declaration (LDR File No. 33120, SCH No. 200611056).

  
Originating Department

  
Deputy Chief/Chief Operating Officer