

TO: James L. App, City Manager
FROM: Doug Monn, Public Works Director
SUBJECT: Award Contract to Evaluate the City's Sewer Mains at Four Locations
DATE: December 1, 2009

NEEDS: For City Council to consider awarding a contract to evaluate the City's existing sewer mains at four locations.

FACTS: 1. Many sections of the City of Paso Robles Sewer Collection System on the west side of the City have degraded with age or are undersized for current wastewater flows. These sections require a high level of maintenance by the City's Wastewater Maintenance staff and present a greater risk of overflow spill.

2. City staff has identified four locations which have specific problems that need to be addressed:

Area 1: Peachy Court

This pipe is very deep and has a large deflection in the line (belly). Staff would like to determine if the affected portion of the pipe can be deleted and re-routed to a new line to be installed in Maple Street.

Area 2: Filbert South of 18th Street

This pipeline has several depressions and the two manholes need replacement. The depressed sections allow waste to accumulate in the low spots of the main, requiring excessive cleaning to maintain flow and prevent spills.

Area 3: Alleys Between 32nd, Bonita, Beverly

The sewer mains in these alleys are only 4-inches in diameter. The pipelines have several offsets, root intrusion, and are cracked in places. Access to these mains is poor as they are located in easements through several residential backyards. Staff would like to upsize the 4-inch diameter pipes to 6-inch and remove them from the residential backyards if possible.

Area 4: Spring Street Between 28th and Riverside

The manholes in Spring Street downstream from 32nd to Riverside are flowing so full that the sewage has the potential to spill out of the manholes; they also require constant maintenance to remove clogs and grease. The solution may involve re-routing flows and installing a new sewer line in 32nd Street, under the railroad tracks and connecting to the Riverside Avenue Interceptor Sewer.

3. Staff issued a Request for Proposals (RFP) for assistance in evaluating these high maintenance sewers and developing solutions to address the issues noted.

4. Five firms responded to the City's RFP:

AECOM
Cannon
Penfield and Smith
Rick Engineering
RRM

ANALYSIS &

CONCLUSION: Staff evaluated the proposals and concluded that Cannon Associates provided the best response to the City's Request for Proposals. Cannon demonstrated the most innovative and technically superior recommendations to address the impacted sewer collection system at the four locations noted in this staff report. Staff met with Cannon and negotiated a revised scope of work and fee of \$15,460 to perform the City's project.

POLICY

REFERENCE: Adopted Sewer System Maintenance Plan
Adopted Purchasing Policy

FISCAL

IMPACT: The adopted Capital Improvement Project budget has a Project No. 601.910.5452.365 to address these high maintenance sewer systems. The budget adopted is \$847,800.

OPTIONS:

- a. Authorize the City Manager to enter into a contract with Cannon Associates to assist staff in evaluating the condition of existing sewer system and develop solutions for improvement, for a fee of \$15,460.
- b. Amend, modify, or reject the above option.

Prepared by: Ditas Esperanza, P.E., Capital Projects Engineer

Attachments: None