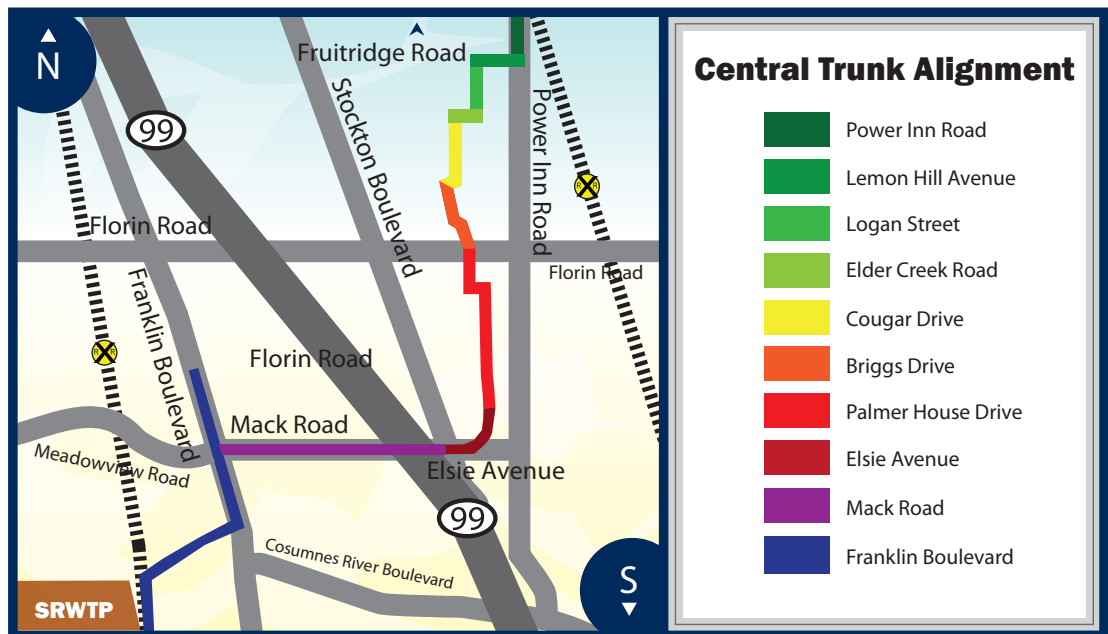


CENTRAL TRUNK SEWER REHABILITATION PROJECT

FALL 2008

SEWER PIPELINES TO BE REHABILITATED IN YOUR AREA!

In an effort to maintain reliable sewer service, Sacramento Area Sewer District, (formerly County Sanitation District 1), needs to rehabilitate deteriorated sewer pipelines in your neighborhood. The District has long been conducting regular sewer maintenance and repairs to the Central Trunk sewer system, located in the southeast portion of Sacramento County. Increased corrosion found in the Central Trunk has made it necessary to rehabilitate eight miles of sewer pipelines. Work is scheduled to begin in 2009 and will last approximately 18 months.



Other streets that may be affected: Stockton Boulevard, Gerber Road, Valley High Drive, Chinquapin Way, Deer Lake Drive, McNamara Way, Torrente Way

WHAT THIS MEANS FOR YOU!

During construction you may see large tents placed at designated areas along the pipeline. Lane closures may also be expected as a result of the bypass pumping procedure and staging of the liner installation.

The District is committed to maintaining access for all residents and businesses during construction and will provide traffic

control measures to minimize congestion. The majority of the Central Trunk sewer system is beneath public streets; however some segments are located on private property.

The District will work closely with residents and businesses to keep construction impacts to a minimum. Most construction on the pipeline will

occur within 1000 foot segments at two week intervals. Hours of operation will typically occur weekdays between 7:00 a.m. and 6:00 p.m. with potential for intermittent weekend and night work.

Property owners will be alerted to specific construction activities located within their neighborhood through follow-up flyers and meetings.

KEEPING YOU INFORMED

We will keep you updated through a number of different resources. Newsletter updates and a project fact sheet will provide key information. In addition, the District will host public open houses within the project area to provide you with the opportunity to meet the Project Team, learn about the project, ask questions and address your concerns. Construction notices will be distributed to your neighborhood prior to construction as a final alert of scheduled construction activities in your area. Our goal is to rehabilitate the sewer pipelines



Saturating liner tube with resin inside a tent

quickly, safely, and with as little disruption to you and your property as possible.



Interested in a presentation at your next community meeting? Want further information on the Project?

The District is happy to share project status and background information with your neighborhood or community association.

Please visit the project Web site at www.sacsewer.com or call the construction hotline at **916-480-3793**.

SAFETY IS OUR PRIORITY

- **Bicyclists** are encouraged to walk bikes around the designated construction zone and ride with the flow of traffic.
- **Children** should stay away from construction areas at all times. Parents and guardians are encouraged to talk to their children about the dangers of playing near construction zones.
- **Pedestrians** are asked to observe sidewalk closures and walk in designated areas only. Please do not jump concrete barriers and cross only at legal crosswalks.

We want everyone to be safe. Be alert to cones, flaggers and construction signs.

- **Motorists** are asked to be patient and observe and obey all traffic controls including reduced speed limits. Please watch for construction workers and keep in mind that traffic violations in construction zones often result in higher fines. Remember to share the road with bicyclists.

As always, the District utilizes comprehensive safety measures to secure the construction zone.

Below ground bypass pumping will be covered with temporary backfill. Above ground bypass pumping will be designed to drive over or be protected with concrete barriers. Temporary fencing will be installed around all pumps and any contractor equipment not in use.



CENTRAL TRUNK HISTORY

View of Pipeline with liner tube being “inverted” into host pipe.

The Central Trunk is a critical portion of the southeastern Sacramento area sewer system. Constructed in the 1960s, the eight mile system conveys both residential and industrial sewage to the Sacramento Regional Wastewater Treatment Plant (SRWTP) near Elk Grove.

THE PROBLEM

The District has carefully tracked the condition of the Central Trunk sewer system since it was put into service. When advanced corrosion was discovered, the Central Trunk sewer pipelines were sprayed annually with an anti-corrosive coating. Based on the most recent observations, more aggressive measures are needed to maintain the Central Trunk.

THE SOLUTION

Focusing on community impacts, construction cost, and proven sewer rehabilitation technology, it was determined to completely rehabilitate the eight mile section using “Cured-In-Place-Pipe” (CIPP). This option will restore the structure integrity as if it were a new pipeline. CIPP has fewer impacts to roadways and private property, is a safer construction method, less expensive and takes less time to complete than traditional dig and replacement methods.



Inverting a 36” diameter liner from refrigerated truck



Bypass Pumping: Installation of submersible pumps at manhole.

BYPASS PUMPING

To install the corrosion resistant CIPP liner, the regular sewer flows will be temporarily bypassed through a series of portable pumps and temporary pipelines. Bypass sewer lines will be placed in the streets near the Central Trunk. In some areas one lane of traffic may be closed. To accommodate the bypass sewer lines at intersections and other locations with access issues, the bypass sewer lines will be temporarily buried a few feet under the street until the work is finished. Once the Central Trunk is rehabilitated, the bypass pumping will be removed and the streets restored to previous or better condition.

WHAT IS CIPP?

Cured-in-place pipe (CIPP) is a liner that provides a seamless corrosion resistant, jointless “pipe-within-a-pipe.” CIPP is installed through the

existing manholes and does not require extensive digging. After bypassing all sewer flow, the top of the manhole is temporarily removed. The CIPP liner is pushed into the pipeline from the manhole using water pressure. The liner is then cured to a hardened state using hot water or steam.



Curing or hardening the liner tube through circulation of hot water.

SAME DISTRICT, NEW NAME

As your local sewer utility, we are consistently striving to identify the most efficient and effective way to provide quality service to our customers – both residential and business. Following extensive research, it was determined

that many of our customers were not familiar with the services we offer or who to call in the case of a sewage back-up or overflow. In order to provide a clearer understanding of our sewer services to all our customers, the District has recently undergone a re-branding effort, most prominently changing our name from County Sanitation District 1 to Sacramento Area Sewer District.

While this transition will take place over the next several months, our priority will continue to be providing the same quality service to our customers – a population of over one million people in the unincorporated areas of Sacramento County; the cities of Citrus Heights, Rancho Cordova, and Elk Grove; and portions of the cities of Folsom and Sacramento.

Sewer Problems? Call the District first at (916) 875-6730. We’ll check our sewer pipes for problems.