

Sewer Lining Project

Rio Road

June/July 2020



Project Team

- Rachel Lather – CAWD Principal Engineer
- Daryl Lauer – CAWD, Collections Superintendent
- Melanie Carrido – Psomas, Construction Manager
- David Bibayan – Insituform, Project Manager

Project Overview

Construct 4,087 ft. of Cured In Place Pipe (CIPP) Liner



What needs to be done?

1. Clean and Inspect the Entire length of 27 Inch Sewer Line
2. Set up Bypass of Sewage from Manhole to Downstream Manhole
3. Install liner
4. Cure the liner with steam to adhere to existing sewer pipe



Why at night?

- Lower sewer flows
 - Allows for higher quality cleaning of sewer line
 - Reduces bypass pump size/noise
- Less traffic issues
 - Reduces disturbance to general public due to traffic delays
 - Reduces disturbance to residents due to driveway access issues
- Less Public Exposure – Safety (Covid 19)
- Shorter project duration (June 22 to July 17)

How long will it last?

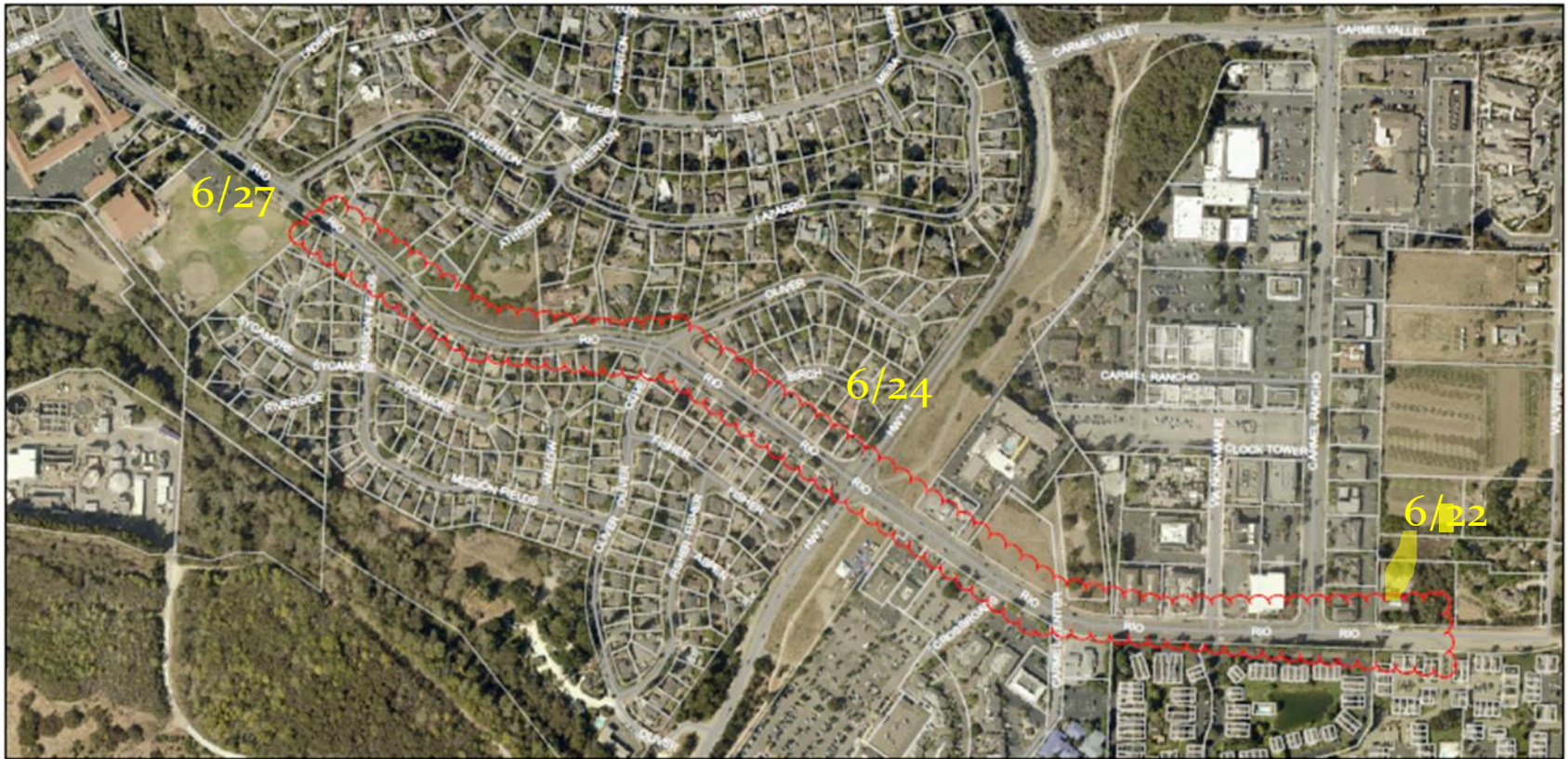
- There are 7 sections of pipe to be lined.
 - 3 Sections are on Mission Fields side of Highway 1
 - 4 Sections are between Highway 1 & Carmel Rancho Blvd.
- Each Section Will Take up to 3 nights to complete
 - One night to clean & video (no bypass pumps needed).
Total of 1-2 weeks of cleaning prior to lining pipe.
 - Up to two consecutive nights in one location to set up equipment, line pipe, and move to next section.

What to expect

- Cleaning and video of lines: Some noise associated with cleaning equipment.
- During CIPP night installation there will be:
 - Odors (resin used to adhere the liner to the pipe) Plastic smell, few hours in duration, strongest near manhole.
 - Non-toxic
 - Visible Plume
 - Temporary Driveway blockage
 - Lights focused on work zone near manhole.
- By-pass Pumping – Temporary bypass sewage pumping will be required during cleaning and lining activities.
 - Reduced noise pumps - low “hum” during night (6pm- 8am)

When is this happening?

Cleaning – East to West Starting 6/22 – 6/27 (Weeknights Only)



When is this happening?

CIPP Lining – East to West 6/30 – 7/17 (Weeknights Only)



Who can we call with a problem?

- Immediate Issues during Night Work (6pm to 8am)
 - Luis Portillo, Superintendent (Insituform)
(808) 271-7427
 - Melanie Carrido, CM (Psomas) (831) 298-0070
- Questions/Issues Daytime
 - Melanie Carrido, CM (Psomas) (831) 298-0070
 - Daryl Lauer CAWD Superintendent: (831) 917-1426
- Alternate Information Sources
 - Carmel Area Wastewater District website:
www.CAWD.org

Summary of What to Expect

- Up to 3 nights total (non-consecutive) of inconvenience due to construction at a manhole near your home.
- Up to 3-4 weeks of nighttime construction activity along Rio Road. Mobile Operation, no fixed area.
- Odors, light and low level noise at night – Keep windows closed/shades drawn to reduce impact.
- A door hanger at your home 1 day prior to working at the nearby manhole.
- No stoppage in service – “Free to flush”



Questions & Answers

Weekly Updates check every Friday at www.CAWD.org