Sewer System Improvement Program
WW-645R Westside Pump Station (WSS) Reliability Improvements

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Our Combined Sewer System

- 959 Major, Local, & Brick Sewers
- 52 Transport/Storage, Tunnels, Force Mains, Outfalls
- 3 Treatment Facilities
- 1,011 Total Miles of Sewers
- 25,000 Catch Basins

North Point Wet Weather Facility

Oceanside Treatment Plant

Southeast Treatment Plant

WESTSIDE

BAYSIDE
Sewer System Improvement Program (SSIP)

Grey.

Green.

Clean.

SYSTEM AND SEISMIC RELIABILITY & REDUNDANCY

INNOVATIVE STORMWATER MANAGEMENT SOLUTIONS

PROTECTING PUBLIC HEALTH & THE ENVIRONMENT
Sewer System: Westside Watershed Overview

The Westside Pump Station (WSS):

- Receives dry and wet weather flow from the western side of the City
- Conveys dry and wet weather flow to Oceanside Plant (OSP) for treatment.
- WSS bar screens are first point in collection system where coarse solids are removed.
WSS Reliability Improvements

Facility Needs

- **Main Wet Weather Pumps**: Lack of redundancy, reduced efficiency
- **Bar Screens**: Lack of redundancy, frequent repair, inefficient screenings disposal process
- **Discharge Force Main Improvements**: Lack of flow capacity / reliability / redundancy
- **Electrical Power**: Single feed from PG&E is prone to outages and power capacity is limited
- **Ventilation System Improvements**: Odor control system is unused, ventilation fans require frequent repair

Bar screens remove debris from wastewater before treatment.
WSS Reliability Improvements
Existing Site Plan

[Map of existing site plan showing various features and labels such as "NORTH YARD", "SOUTH YARD", "WESTSIDE PUMP STATION MAIN BUILDING", "CONCRETE RETAINING WALL", "PLANTER, TYP.", "SCULPTURES", "GREAT HIGHWAY", "SFOAT BOULEVARD", etc.]
WSS Reliability Improvements
Scope of Work – Site Improvements

- North
- (N) Retaining Wall and Fence
- (N) Pedestrian Path
- (N) Pedestrian Gate
- Relocated Art Sculptures
- (N) Electrical Building
- (E) Main Building
- (N) and Modified Planters

WSS Reliability Improvements
Scope of Work – PG&E Dual Power Feed

- New primary power feed from 47th Ave. and Wawona St.
- New redundant power feed from Sloat and Skyline Blvds (~3200 ft)
- Potential lane reduction. Through traffic during construction
- No parking impacts anticipated
Preliminary Construction Areas & Detour: Great Highway*

*Subject to change, under coordination with other city partners and agencies.
Perspective View
WSS Reliability Improvements

Construction Schedule

Estimated Construction Schedule

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<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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TARGET START SPRING 2021 – WINTER 2024
(SUBJECT TO CHANGE)
Noticing and Coordination

- Pre-construction notice mailed to entire project area April 2021
- Monthly coordination meeting with other City agencies ongoing
- Presentations to Supervisor offices, merchant’s groups, and neighborhood associations (Irish Cultural Center, POPS, Wastewater CAC)
- Suggestions: ways we can best coordinate updates and share information through your networks?