



# Jensen Water Treatment Plant Filter Outlet Chlorination & Chemical Trench Projects

Engineering and Operations Committee

Item 8-3

October 10, 2011

# Current Action

- Award \$2,159,000 contract to Doty Bros. Equipment Company for construction of Jensen filter outlet chlorination & chemical trench projects

# Metropolitan Water Treatment Plants





# Joseph Jensen Water Treatment Plant



Filter Outlet  
Chlorination

Chemical  
Trench

N

# Project Background

- Filter Outlet Chlorination
  - Provides disinfectant residual
  - Need 6 mg/L dose
- Chemical Trench
  - Convey chlorine piping
  - Provide secondary containment
- Construction Plan
  - Metropolitan completed preparatory work
  - Contractor will complete remaining work



# Filter Outlet Chlorination Scope of Work

- Install new ejectors



Ejector

# Filter Outlet Chlorination

## Scope of Work

- Install new ejectors
- Install chlorine piping



Piping

# Filter Outlet Chlorination Scope of Work

- Install new ejectors
- Install chlorine piping
- **Update electrical & controls**



**Electrical & Controls**



# Filter Outlet Chlorination

## Scope of Work

- Install new ejectors
- Install chlorine piping
- Update electrical & controls
- Construct chlorine equipment bldg



Typical Block Bldg

# Chemical Trench

## Scope of Work

- Construct 650 ft long trench
- Construct transition structure to connect Module No. 3 piping gallery with new trench
- Install traffic-rated covers & chemical leak detection system



**Typical Trench**

# Bid Results

## Specifications No. 1683

Bids received	August 17, 2011
No. of bidders	9
Low bidder	Doty Bros. Equipment Co.
Low bid amount	\$2,159,000
High bid amount	\$3,068,402
Engineer's estimate	\$3,500,000
SBE participation*	37%

\*SBE (Small Business Enterprise) participation set at 24%



# Project Schedule



Construction



Board Action



Completion

# Board Options

- Option #1

- Adopt CEQA determination
- Award \$2,159,000 contract to Doty Bros. Equipment Co.

- Option #2

- Do not award the construction contract & re-advertise the project

# Staff Recommendation

- Option #1



