

Distribution System Rehabilitation Projects

Authorize 4 Distribution System Rehabilitation Projects

Engineering and Operations Committee Item 7-2
June 7, 2010

Current Action

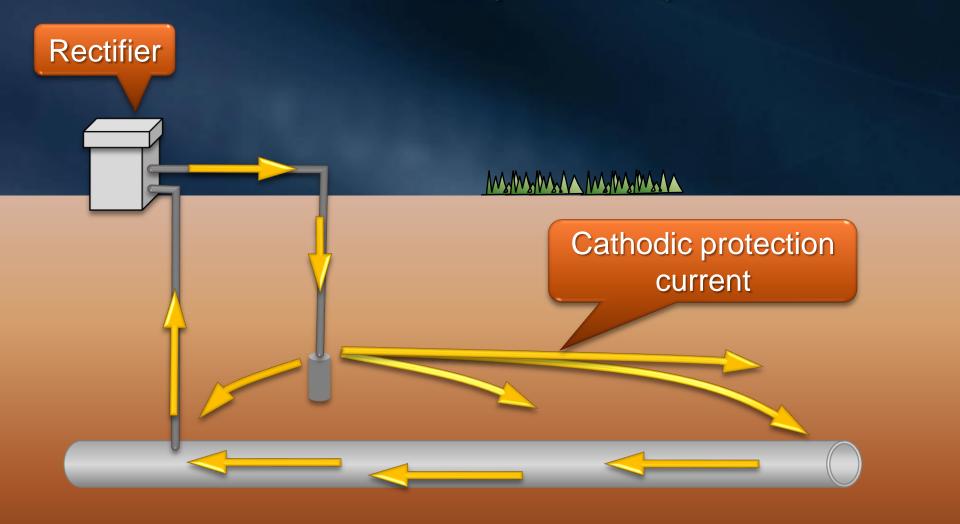
- Appropriate \$420,000 in budgeted funds
- Authorize preliminary design of stray current drain stations for Allen McColloch Pipeline, Sepulveda Feeder, and Second Lower Feeder
- Authorize final design of a stray current drain station for Calabasas Feeder



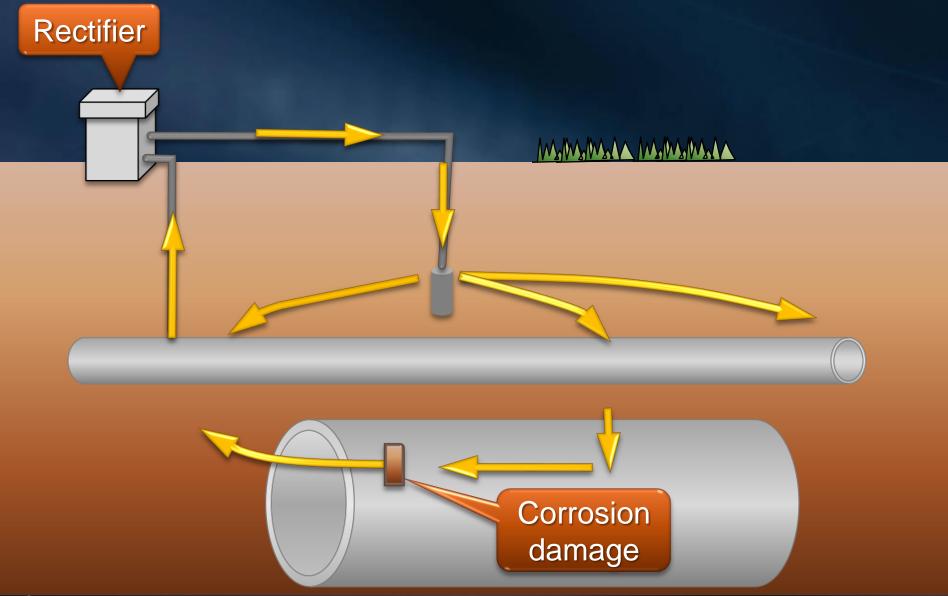
Proposed Stray Current Drain Station Projects



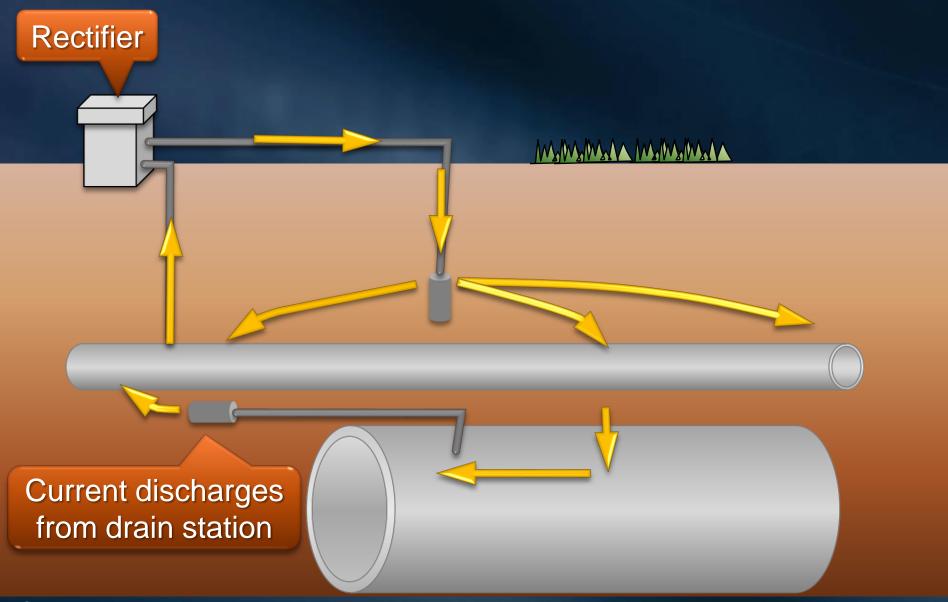
Cathodic Protection Adjacent Pipeline



Damage Caused by Stray Current Interference



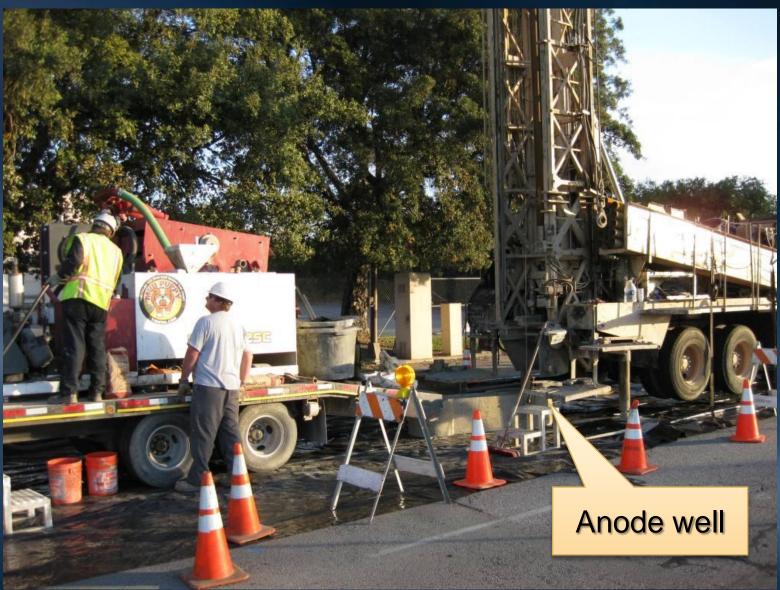
Installation of Drain Station



Stray Current Anodes



Drilling Anode Well



Scope of Work for 4 Stray Current Drain Station Projects

- Allen Mc-Colloch Pipeline
 - 18 new current drain stations
- Sepulveda Feeder
 - 12 new drain stations, replacement of 24 drain stations
- Second Lower Feeder
 - 10 new drain stations, replacement of 33 drain stations
- Calabasas Feeder
 - One current drain station

Design for 4 Stray Current Drain Station Projects

- Preliminary Design Phase Activities (3 projects)
 - Field measurements and technical analyses, site surveys, preparation of preliminary design report and environ. docs, and permitting
- Final Design Phase Activities (1 project)
 - Engineering design, preparation of drawings and specifications, receipt of competitive bids, development of construction cost estimate

Requested Funds

Preliminary Design	Prelim. Design AMP, SLF, SEP \$ 227,250	Final Design Calabasas \$ 0
Final Design	0	14,250
Owners Costs	105,500	13,100
Metropolitan Force Construction	0	5,900
Materials & Incidentals	5,5000	5,000
Remaining Budget	36,750	6,750
Total	\$ 375,000	\$45,000

Schedule

Project	2010	2011	2012
1. Allen-McColloch Pipeline			
2. Sepulveda Feeder			
3. Second Lower Feeder			
4. Calabasas Feeder			

- Study/Prelim.
 Design

Construction

Completion of Construction

Final Design



Board Action

Board Options

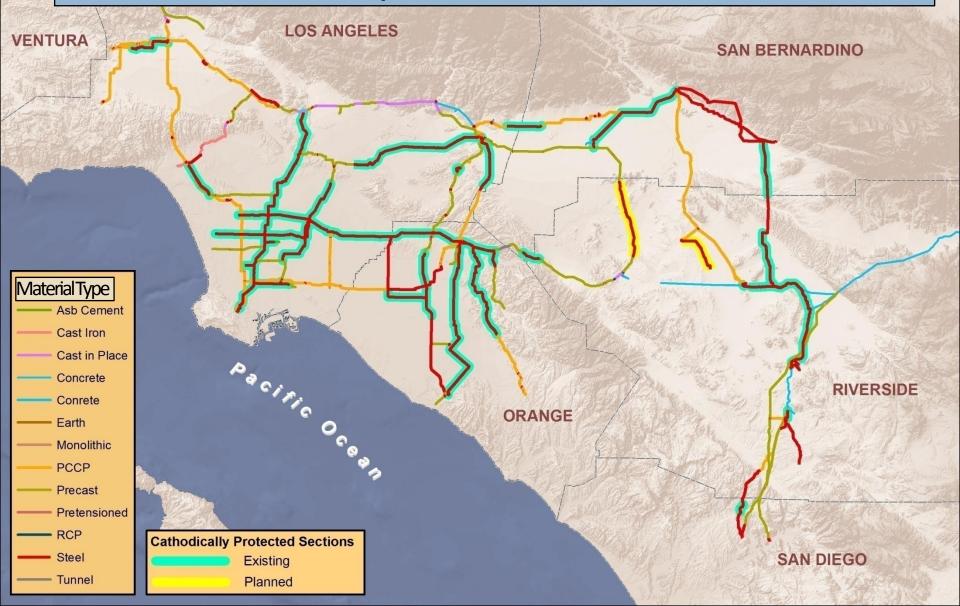
- Option #1
 - Adopt CEQA determination
 - Appropriate \$420,000 in budgeted funds
 - Authorize preliminary design of stray current drain stations for AMP, Sepulveda Feeder, and Second Lower Feeder
 - Authorize final design of a Stray Current Drain Station for Calabasas Feeder
- Option #2
 - Do not authorize the stray current drain station projects at this time

Staff Recommendation

Option #1



Metropolitan Cathodically Protected Pipelines Impressed Current



Metropolitan Cathodically Protected Pipelines Current Drain Stations



Stray Current Interference

