

# California Department of Transportation's Role in Water Quality Enhancement in Los Angeles and San Gabriel Rivers

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September 16, 2008

# Water Quality Issues in each watershed

## **San Gabriel River Watershed:**

- Pollutants of main concern to Caltrans: Trash and Metals
- TMDLs:
  - One small Trash TMDL on East Fork San Gabriel River is currently in effect
  - Several more TMDLs are in process

## **Los Angeles River Watershed:**

- Pollutants of main concern to Caltrans: Trash and Metals
- TMDLs:
  - Three TMDLs are in effect: Trash, Metals, and Nutrients & Nitrogen.
  - Several more are in process: Next anticipated is Bacteria TMDL

# Caltrans Approach to address these issues:

## ● **Internal process:**

- Stormwater Data Report process incorporates Construction Site BMPs, Design Pollution Prevention BMPs, Treatment BMPs and Maintenance BMPs.
- Corridor Stormwater Management Studies identify Treatment BMP opportunities throughout the District.

## ● **External Process:**

- Partnership with other jurisdictional responsible agencies in implementing several TMDLs
- Proactively seeking partnership opportunities with other agencies
- **Public Education:** Don't Trash California campaign
  - Participation in other public events e.g. Coastal Cleanup Day, Earth Day, County Fair etc.

# Partnership Opportunities:

## General:

### Public Education on "Don't Trash California" campaign with County of Los Angeles (presently Caltrans is alone in this campaign)

- Radio and Television advertisements in different languages
- Bill Boards
- Other Public Events
- Survey of effectiveness of the campaign

### Proactively seeking partnership opportunities with other agencies:

- SCAG contract
- Consultant contract

# Partnership Opportunities

## San Gabriel and LA Rivers Watersheds

- Worked with City of Long Beach on CDS unit at Rte 710 and Rte 91, Caltrans paid all of the Capital Cost and the City maintains it
- Working with Cities of Monrovia, Arcadia, LA County, and others on trash collection device for Santa Anita and Sawpit washes tributary to Rio Honda Wash, which is part of LA River Watershed
- Will work with the jurisdictional agencies as the TMDLs are developed
- Will work with other agencies on the opportunities identified by the consultant

## San Gabriel River Watershed Mitigation Mitigation Money to San Gabriel River Mountains Conservancy for Caltrans Project Impacts

Project Name and Route	Affected Resources	Mitigation Ratio	Mitigation of Affected Resources (in Acres)	Dollar Amount (\$100,000 Per Acre)	Mitigation Status
I-605 San Jose Creek	Riparian	2:1	(2*0.65 Acres) 1.31 Acres	131,000	In Process
I-605 Channel Cleaning	Riparian	2:1	(2*0.05 Acres) 0.1 Acres	10,000	In Process
I-60 Channel Cleaning	Riparian	1:1	(1*0.5 Acres) 0.5 Acres	50,000	In Process
I-60 Widening Sound Wall	Riparian	1:1	(1*1.602 Acres) 1.602 Acres	161,000	Transferred
I-605/60 Caltrans MOU with CDFG	Riparian	1:1	(1*0.46 Acres) 0.46 Acres	46,000	In Process
<b>Total</b>			<b>3.972 Acres</b>	<b>\$397,200</b>	

*\*Money is used to enhance, restore, or create riparian vegetation in the watershed, which improves air quality in the region.*

# EEM Grants Opportunities

- The Environmental Enhancement and Mitigation Program (EEMP) was established by the Legislature in 1989. It offers a total of \$10 million each year for grants to local, state, and federal governmental agencies and to nonprofit organizations for projects to mitigate the environmental impacts caused by new or modified state transportation facilities. Eligible projects must be directly or indirectly related to the environmental impact of the modification of an existing transportation facility (CA Constitution, Art. XIX, Sec.1) or construction of a new transportation facility. Grants are awarded in three categories:

**Highway Landscape and Urban Forestry** -- Projects designed improve air quality through the planting of trees and other suitable plants.

**Resource Lands** -- Projects for the acquisition, restoration, or enhancement of watersheds, wildlife habitat, wetlands, forests, or other natural areas.

**Roadside Recreational** -- Projects for the acquisition and/or development of roadside recreational opportunities.

# EEM Grants (continued)

- Program Procedures and Criteria, including specific application dates and funding limits, are published by the Resources Agency each year. The Resources Agency evaluates project proposals and provides a list of recommended projects to the California Transportation Commission (CTC) for consideration. The Department of Transportation (Caltrans) administers the approved grant agreements.

Please address any EEM Questions to:

Barbara Marquez  
Caltrans District 07 Coordinator  
213-897-0791

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Questions?

# 14 Technologies & Proponents

1. CargoRail **MegaRail**
2. Magnetic Levitation **Transrapid**
3. Electric Cargo Conveyor System **General Atomics**
4. Safe Freight Shuttle **Freight Shuttle Development Corporation**
5. Air Rail **SkyTech Corporation**
6. Rail Motor **Launch Point Technologies**
7. Container Port Skid **Tubular Rail**
8. Container Express **CitiCar**
9. Automated Shuttle Car System **Automated Terminal Systems**
10. Aeroscraft **Worldwide Aeros Corporation**
11. LIM-Rail and MagRail **Innovative Transportation Systems Corporation**
12. AirHeLo **TEECO International, Inc.**
13. Southern California Guideway **Whelan and Associates**
14. Environmental Mitigation and Mobility Initiative **American Maglev Technology Inc.**