



# Measure V - Clean Beaches and Ocean Parcel Tax

## Quarterly Report (through September 30, 2015)



***Palisades Park Drainage Improvements***



### **Citizen's Oversight Committee**

Tom Ford, Chair  
Benjamin Kay  
Grace Phillips  
Michael Dubin  
William Kairala



***Sustainable Water Infrastructure Project***



Prepared By  
City of Santa Monica  
Civil Engineering Division





## Measure V - Clean Beaches and Ocean Parcel Tax

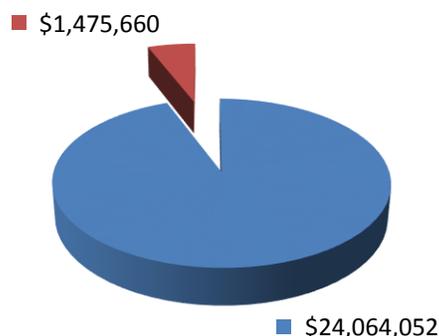
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### Budget Highlights

As of the first quarter in fiscal year 2015-16, a total of \$8.3M in Measure V funds was appropriated for capital improvement projects. CIP expenditures in this quarter include \$50K for construction of the Palisades Park drainage improvements and \$36K for design of the Marine Park retrofit project.

Projected total fund collection\* at year end is \$25.5M.  
 Total fund expenditure/allocation\* to date is \$24.1M.  
 Projected funds available at year end is \$1.4M.

\* since fund inception



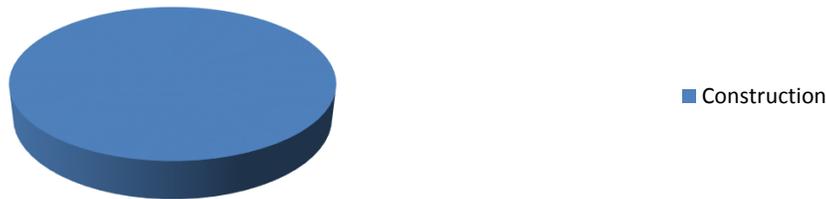


## Measure V - Clean Beaches and Ocean Parcel Tax

Project	Total Budget	Measure V Appropriation	Measure V Expenditure		% Funds Used
			This Quarter	Total through 9/30	
<b>COMPLETED PROJECTS</b>					
Five Year Plan Preparation		\$153,000.00	\$153,000.00	\$153,000.00	100%
Water Resource Engineering / Concept Report		\$350,000.00	\$336,790.18	\$336,790.18	96%
Bicknell Avenue Green Street Project		\$300,000.00	\$94,409.80	\$94,409.80	31%
Pier Storm Drain Improvements		\$2,169,335.32	\$2,020,308.74	\$2,020,308.74	93%
Pier Water Quality Improvements		\$110,754.06	\$110,754.06	\$110,754.06	100%
Pier Bacterial Source Study		\$60,000.00	\$57,655.05	\$57,655.05	96%
Ocean Park Blvd Complete Green Street		\$2,018,107.00	\$42,979.79	\$42,979.79	2%
Regional Bacterial Implementation Plan		\$4,000,000.00	\$4,000,000.00	\$4,000,000.00	100%

<b>C066017.589000 Permeable Surface Alleys - construction of 4' wide pervious concrete centerline gutters in alleys.</b>						
Construction		\$476,773.00	\$476,773.00	\$5,463.86	\$328,608.72	69%
<b>Total</b>		<b>\$476,773.00</b>	<b>\$476,773.00</b>	<b>\$5,463.86</b>	<b>\$328,608.72</b>	

Measure V Fund Allocation by Phase



<b>C066018.589000 Permeable Street Gutters - Construction of pervious concrete street gutters and cross gutters.</b>						
Construction		\$461,773.00	\$461,773.00	\$0.00	\$287,773.00	62%
<b>Total</b>		<b>\$461,773.00</b>	<b>\$461,773.00</b>	<b>\$0.00</b>	<b>\$287,773.00</b>	

Measure V Fund Allocation by Phase





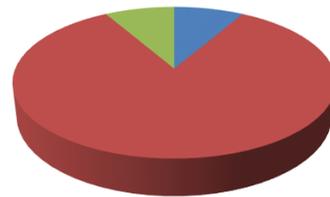
## Measure V - Clean Beaches and Ocean Parcel Tax

Project	Total Budget	Measure V Appropriation	Measure V Expenditure		% Funds Used
			This Quarter	Total through 9/30	

**C066020.589000 Parkway Infiltration Systems** - LID strategy to capture runoff from street gutters for infiltration.

Design / Project Mgmt	\$57,500.00	\$73,338.18	\$0.00	\$20,068.21	27%
Construction	\$575,000.00	\$733,381.80	\$0.00	\$0.00	0%
Construction Management	\$57,500.00	\$73,338.18	\$0.00	\$0.00	0%
<b>Total</b>	<b>\$690,000.00</b>	<b>\$880,058.16</b>	<b>\$0.00</b>	<b>\$20,068.21</b>	

Measure V Fund Allocation by Phase

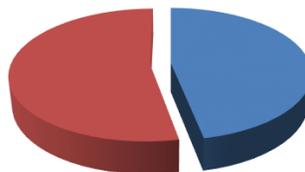


- Design / Project Mgmt
- Construction
- Construction Management

**C066023.589000 Storm Drain In Line Infiltration Study** - Study to determine feasibility of using existing storm drain infrastructure, such as catch basins and manholes, for runoff infiltration.

Design / Project Mgmt	\$69,750.00	\$69,750.00	\$5.25	\$68,952.20	99%
Construction	\$379,313.00	\$79,313.00	\$0.00	\$3,281.47	4%
<b>Total</b>	<b>\$449,063.00</b>	<b>\$149,063.00</b>	<b>\$5.25</b>	<b>\$72,233.67</b>	

Measure V Fund Allocation by Phase



- Design / Project Mgmt
- Construction

**C066025.589000 Marine Debris TMDL** - Installation of trash screens at catch basins in the Kenter Canyon watershed.

Design / Project Mgmt	\$120,708.57	\$120,708.57	\$0.00	\$8,699.22	7%
Construction	\$1,250,000.00	\$1,250,000.00	\$0.00	\$0.00	0%
Construction Management	\$130,000.00	\$130,000.00	\$0.00	\$0.00	
<b>Total</b>	<b>\$1,500,708.57</b>	<b>\$1,500,708.57</b>	<b>\$0.00</b>	<b>\$8,699.22</b>	

Measure V Fund Allocation by Phase



- Design / Project Mgmt
- Construction



## Measure V - Clean Beaches and Ocean Parcel Tax

Project	Total Budget	Measure V Appropriation	Measure V Expenditure		% Funds Used
			This Quarter	Total through 9/30	

**C066022.589000 Marine Park Retrofit** - Retrofit Marine Park to use treated runoff water for irrigation.

Design / Project Mgmt	\$171,000.00	\$171,000.00	\$35,890.45	\$104,400.57	61%
Construction	\$1,720,000.00	\$707,000.00	\$0.00	\$0.00	0%
Construction Management	\$172,000.00	\$172,000.00	\$0.00	\$0.00	
<b>Total</b>	<b>\$2,063,000.00</b>	<b>\$1,050,000.00</b>	<b>\$35,890.45</b>	<b>\$104,400.57</b>	

### Measure V Fund Allocation by Phase



**C060265.589000 Palisades Park Drainage Improvement** - Improve drainage and storm drain infrastructure to eliminate park flooding and bluff erosion.

Design / Project Mgmt	\$150,000.00	\$150,000.00	\$0.00	\$56,573.30	38%
Construction	\$750,000.00	\$50,000.00	\$50,656.60	\$50,656.60	101%
Construction Management	\$50,000.00	\$0.00	\$0.00	\$0.00	0%
<b>Total</b>	<b>\$950,000.00</b>	<b>\$200,000.00</b>	<b>\$50,656.60</b>	<b>\$107,229.90</b>	

### Measure V Fund Allocation by Phase



**C066021.589000 Los Amigos Park Retrofit** - Capture offsite runoff, treat and use for irrigation and toilet flushing.

Design / Project Mgmt	\$150,000.00	\$150,000.00	\$35.00	\$101,248.90	67%
Construction	\$1,000,000.00	\$600,000.00	\$0.00	\$0.00	0%
Construction Management	\$100,000.00	\$100,000.00	\$0.00	\$0.00	0%
<b>Total</b>	<b>\$1,250,000.00</b>	<b>\$850,000.00</b>	<b>\$35.00</b>	<b>\$101,248.90</b>	

### Measure V Fund Allocation by Phase





## Measure V - Clean Beaches and Ocean Parcel Tax

Project	Total Budget	Measure V Appropriation	Measure V Expenditure		% Funds Used
			This Quarter	Total through 9/30	

**C069069.589000 Clean Beaches Project** - Capture runoff generated by 85th percentile storm in the Pier watershed and divert to SMURRF for treatment and non-potable use.

Design / Project Mgmt	\$266,000.00	\$300,000.00	\$0.00	\$0.00	0%
Construction	\$3,480,000.00	\$2,458,000.00	\$0.00	\$0.00	0%
Monitoring, outreach	\$40,000.00	\$42,000.00	\$0.00	\$0.00	0%
<b>Total</b>	<b>\$3,786,000.00</b>	<b>\$2,800,000.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	

Measure V Fund Allocation by Phase





## Measure V - Clean Beaches and Ocean Parcel Tax

Description	Account	FY15-16 Budget	Measure V Expenditure	
			This Quarter	through 9/30*1
<b>Salaries and Wages</b>				
Watershed Program Manager*2	06695.533420	\$236,472.00	\$0.00	\$681,098.00
Temporary Employees	06402.511500	\$20,913.00	\$0.00	\$9,074.38
<b>Total Salaries and Wages</b>		<b>\$257,385.00</b>	<b>\$0.00</b>	<b>\$690,172.38</b>

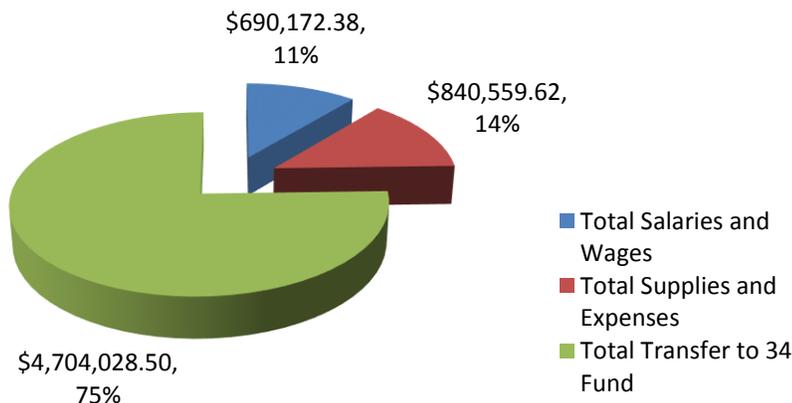
\*2 FY0809, FY0910 wages/benefits were charged to Measure V Projects. FY1213, FY1314, and FY1415 are fund transfers at the end of FY.

<b>Supplies and Expenses</b>				
Utilities - Telephone	06402.522210	\$658.00	\$0.00	\$2,359.13
Office Supplies	06402.522310	\$532.00	\$0.00	\$4,988.96
Rent	06402.522620	\$37,666.00	\$2,278.85	\$98,613.47
Conference / Meetings / Travel	06402.522820	\$6,617.00	\$1,044.45	\$27,995.06
Food Purchases	06402.522825	\$0.00	\$0.00	\$1,570.98
Project Maintenance	06402.533090	\$122,160.00	\$4,549.46	\$81,248.54
Indirect Cost Allocation	06402.544340	\$133,713.00	\$0.00	\$259,494.00
Contractual Services	06402.555010	\$150,000.00	\$0.00	\$204,200.57
Professional Services	06402.555060	\$132,340.00	\$0.00	\$18,672.20
Monitoring Costs	06402.555170	\$312,416.00	\$0.00	\$61,483.66
Downspout Redirect Program	06402.560020	\$1,527.00	\$0.00	\$1,211.17
Rain Barrel Program	06402.560030	\$13,234.00	\$1,141.64	\$45,485.79
Cistern Program	06402.560040	\$20,360.00	\$4,500.00	\$5,700.00
Tax Exemption - Admin Costs	06402.577110	\$0.00	\$0.00	\$27,536.09
<b>Total Supplies and Expenses</b>		<b>\$931,223.00</b>	<b>\$13,514.40</b>	<b>\$840,559.62</b>

**Transfer to Stormwater Management Fund (34) - maintenance and upgrade of storm drain infrastructure, SMURRF.**

Transfer to 34 Fund	06695.570070	\$411,308.00	\$0.00	\$4,704,028.50
<b>Total Transfer to 34 Fund</b>		<b>\$411,308.00</b>	<b>\$0.00</b>	<b>\$4,704,028.50</b>

Total Operational Expenditures since inception



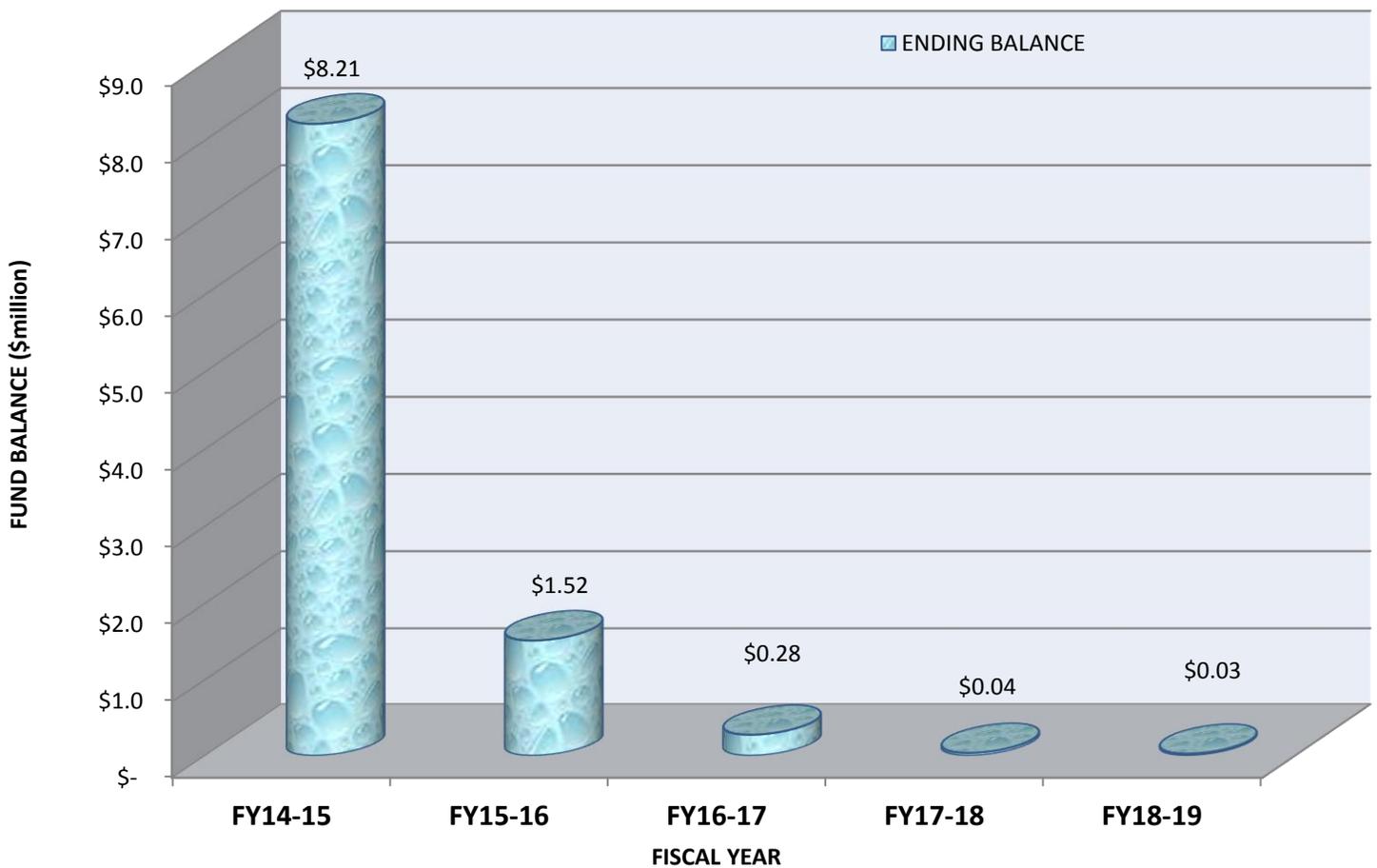
\*1 From inception (7/1/2007) to current



## Measure V - Clean Beaches and Ocean Parcel Tax

	FY14-15	FY15-16	FY16-17	FY17-18	FY18-19
STARTING BALANCE	\$7,447,531.00	\$8,214,032.00	\$1,516,878.00	\$275,141.00	\$35,510.00
REVENUE	\$2,958,807.00	\$3,142,239.00	\$3,253,543.00	\$3,189,074.00	\$3,259,234.00
PROGRAM ADMIN	(\$330,917.00)	(\$844,806.00)	(\$860,392.00)	(\$874,519.00)	(\$893,608.00)
CIP EXPENDITURE	(\$341,577.00)	(\$8,299,141.00)	(\$370,000.00)	(\$370,000.00)	(\$370,000.00)
TRANSFERS	(\$1,519,812.00)	(\$695,446.00)	(\$964,888.00)	(\$984,186.00)	(\$1,005,838.00)
EWMP PROJECTS			(\$2,300,000.00)	(\$1,200,000.00)	(\$1,000,000.00)
ENDING BALANCE	\$8,214,032.00	\$1,516,878.00	\$275,141.00	\$35,510.00	\$25,298.00

### Fund Balance Projection (5 Year Plan)





## Measure V - Clean Beaches and Ocean Parcel Tax

Completed Projects	Description
Bicknell Avenue Green Street	This project implemented Best Management Practices such as bio retention cells, pervious concrete parking lanes, subterranean infiltration chambers and filter inserts along Bicknell Avenue between Neilson Way and Main Street. The project is anticipated to infiltrate runoff from a 1.5 acre area. This means that for each 3/4 inch storm event or greater, approximately 30,500 gallons of urban runoff is diverted from the streets into the ground.
Pier Storm Drain Improvement	This project reconstructed the pier storm drain outlet, installed a diversion structure for dry weather flows and replaced 300L.F. of 60" storm drain pipe. This was one of the strategies aiming to improve water quality at the Santa Monica Pier.
Pier Water Quality Improvement	This project installed bird deterrent strategies such as ultrasonic / sonic devices, contraceptive feeding, spikes and netting. The results have been encouraging with reduced number of exceedances and improved beach report card grades from Heal the Bay at the Santa Monica Pier.
Permeable Surface Alleys	The permeable surface alleys are designed to capture some alley runoff and tributary runoff from adjacent private property. <b>FY 10/11:</b> 1400 blk of 14th Ct., 1500 blk of 17th Ct., 1200 blk of 22nd Ct., 1000 blk of 6th Ct., 1200 blk of Lincoln Ct.; <b>FY11/12:</b> 800 blk of 11th Ct., 900 blk of 12th Ct., 1300 blk of 17th Ct., 1200 and 1400 blk of 19th Ct., 900 blk of 6th Ct., 900 and 1200 blk of 7th Ct., 3000 blk of Colorado Place S., 1500 to 1600 blk of Stanford Ct.; <b>FY12/13:</b> 800 and 1000 blk of 12th Ct., 1400 blk of 16th Ct., 1300 to 1500 blk of 18th Ct., 900 blk of 5th Ct., 1200 blk of 9th Ct., 1200 to 1400 blk of Berkeley Ct., 900 blk of Euclid Ct., 1700 blk of Franklin Ct., 1300 blk of Stanford Ct., 1500 blk of Yale Ct.; <b>FY13/14:</b> 900 blk of 10th and 11th Ct., 1000 blk of 10th Ct., 900 blk of Lincoln Ct., 1000 blk of Euclid Ct., 1200 blk of 18th Ct., 1300 and 1500 blk of 19th Ct., 1500-1600 blk of Berkeley Ct.,
Ocean Park Boulevard Complete Green Street	This project provided increased sidewalk widths, pedestrian lights, new trees, bikelanes, and stormwater infiltration BMP's such as bioretention, and infiltration pits.

### Permeable Surface Alleys FY10-11



Designer:	City of Santa Monica	Alley center swales will be replaced with pervious concrete swales as part of the city's annual alley improvement program.	<b>PLANNING</b> - complete	100%
Contractor:	City Forces		<b>CONSTRUCTION</b> Ongoing on an annual basis	
Project Manager:	Sylvester Mabry			
Tel. No:	(310) 458-8505	<b>Location:</b> Various city alleys		

Issues	Alleys for FY14/15:	
shallow and multiple utilities preclude installation of rock infiltration gallery. Reduced program budget will limit pervious gutters to shorter alley sections instead of full alley length.	1300 blk of 12th Court	2600 blk of Wilshire Place South
	1300 blk of 23rd Court	1200 blk of 26th Court
	2500 blk of Wilshire Place South	1200 blk of 25th Court



## Measure V - Clean Beaches and Ocean Parcel Tax

### Permeable Street Gutters



Designer: City of Santa Monica  
 Contractor: Palp, dba Excel Paving, Inc.  
 Project Manager: Hany Demitri  
 Tel. No: (310) 458-2201 Ext. 5385

Street gutters and intersection cross gutters will be replaced with pervious concrete gutters as part of the city's annual street resurfacing projects. Approximately 1,900 L.F. in the 16th Street watershed.

**Location:** Cedar Street and Maple Street.

**DESIGN** 100%  
 Completed

**CONSTRUCTION** 0%

FY11/12 and FY12/13 street gutters completed.  
 Construction of FY13/14 street gutters to commence in early October 2014.

#### Completed Locations

**Gutters completed at:**

- FY11/12:** 1700 blk of Pine Street
- 700 blk of Pine Street
- 200 blk of Hollister Avenue
- 200 blk of Mills Street
- 200 blk of Beach Street
- 100 blk of Pier Avenue
- FY12/13:** 200-300 blk of 20th Street

#### Gutters in progress

**FY14/15**

- 2000 blk of 21st Street

### Parkway Infiltration Systems



Designer: City of Santa Monica  
 Contractor: TBD  
 Project Manager: Josh Carvalho  
 Tel. No: (310) 458-2201 ext. 6461

Install parkway infiltration systems and/or extend street curbs for traffic calming purposes and for capturing street runoff for infiltration.

**Location:** Bay & 11th, Cedar & 11th, Pine & 11th, Hill & 17th

**DESIGN** 95%  
 - in progress

**CONSTRUCTION** 0%  
 - not started

#### Issues

Design review in progress.  
 Pending EWMP draft approval by RWQCB

#### Timeline



# Measure V - Clean Beaches and Ocean Parcel Tax

## Trash Best Management Practices FY10-11

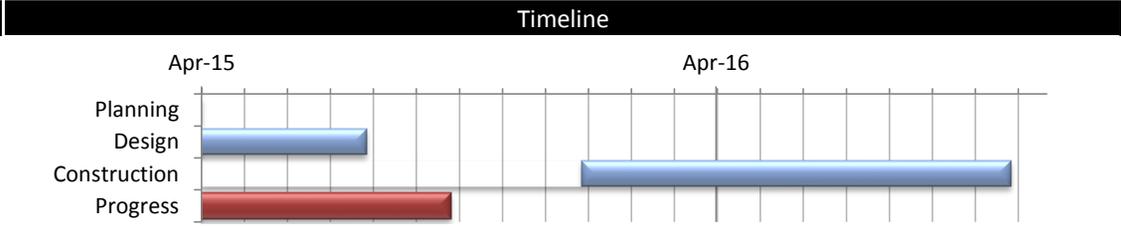


Designer: City of Santa Monica  
 Contractor: United Stormwater  
 Project Manager: Joshua Carvalho  
 Tel. No: (310) 458-2201 ext. 6461

Implementation of trash Best Management Practices at Kenter Canyon watershed to comply with the Santa Monica Bay Marine Debris TMDL. Install Hydrodynamic separators at key storm drain nodal points and full capture screens in remaining catch basins.  
**Location:** Various locations throughout Kenter Canyon subwatershed. Total 745 catch basins.

**DESIGN** 100%  
 Design completed  
**CONSTRUCTION** 0%  
 Contract awarded 10/13/2015

**Issues**  
 Fees for retrofitting County owned basins established at \$100-300 catch basin.  
 Staff to conduct updated cost analysis.



## Marine Park Retrofit

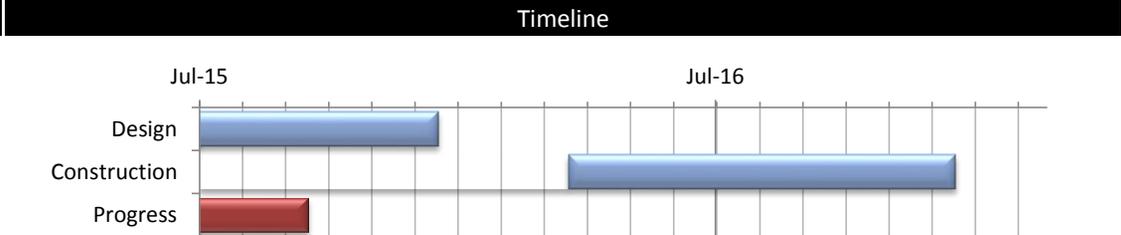


Designer: Carrollo Engineers  
 Contractor: TBD  
 Project Manager: Joshua Carvalho  
 Tel. No: (310) 458-2201 Ext. 6461

Construct a recycled water pipeline from Penmar Park in Los Angeles to Marine Park in Santa Monica. Retrofit irrigation system within Marine Park to use treated stormwater from Penmar Park.  
**Location:** 1406 Marine Street

**DESIGN** 70%  
 Project design in progress  
**CONSTRUCTION** 0%

**Issues**  
 Negotiating cost of treated water with City of Los Angeles.  
 Negotiating easement for pipeline through Penmar Park.





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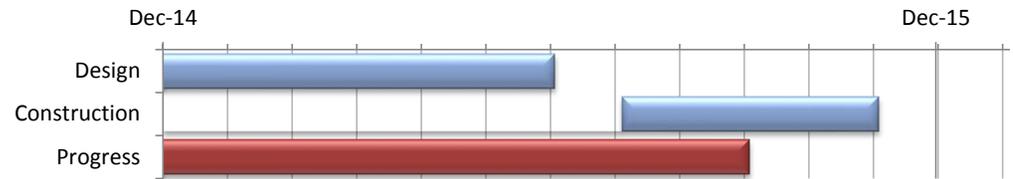
## Palisades Park Drainage Improvements



**Designer:** Civil Source  
**Contractor:** STL Landscape, Inc.  
**Project Manager:** Joshua Carvalho  
**Tel. No:** (310) 458-2201 Ext. 6461  
**Location:** 1301 Ocean Avenue

**DESIGN** 100%  
 Design completed  
**CONSTRUCTION** 50%  
 Construction in progress

### Issues Timeline



## Los Amigos Park Retrofit



**Designer:** California Watershed Engineering  
**Contractor:** TBD  
**Project Manager:** Allan Sheth  
**Tel. No:** (310) 458-8732  
**Location:** 500 Hollister Ave.

**DESIGN** 95%  
 Review by DPH, DSA, SMMUSD in progress  
**CONSTRUCTION** 0%

### Issues Timeline

Requires review by DSA, County Public Health, LA County Flood Control District, SMMUSD. SMMUSD utility easement approved.

