

# **Community Grants Program Final Report**

This final report supplies Port staff with information regarding the completion of your Community Grant project. Use as much space as you need for each field. For questions, please contact your respective grant program manager at (562) 283-7100.

General Information		
Grant Program	Community Infrastructure - Stormwater and Water Quality (CI-18-01)	
Contract Number	HD-9018	
Grant Organization	Camp Fire Angeles	
Date Submitted		

Expenditures	Estimated	Actual
Total POLB Grant Expenditures	\$603,441.00	\$603,441.00
Total Matching Funds Expenditures	n/a	n/a
Total Project Expenditures	\$603,441.00	\$610,048.74

#### **Project Accomplishments**

- 1. The primary benefit of the completed project is the reduction of 11,487 sq. ft. of impermeable, asphalt parking area. The reduction of impermeable area was accomplished by the use of a permeable pavement system, called TRUEGRID, used as an infiltration Best Management Practice (BMP). A reduction of the converted area from impermeable to permeable was required from the original plan on the Grant application, from 23,500 sq. ft. to 11,487 sq. ft. because of Long Beach Fire Department regulation, forbidding any type of permeable surface material for the Fire Engine access drive aisles. Rainwater from the Fire Engine access drive aisles were regardless sloped towards the permeable pavement system.
- 2. Was the project completed within the timeframe identified in the original schedule of tasks? Yes  $\Box$  No  $\boxtimes$



**1.** Please use the table below to provide a list of specific accomplishments for each of the milestones listed in the contract scope of work.

Summary of Accomplishments			
Milestone	Description	Summary of Accomplishments	
1	Due Diligence, Design, & Bidding	Design Construction Documents with respective engineering were completed and reviewed by the local jurisdiction.	
2	Permits & Pre-Construction	Construction Documents were approved, Permits obtained, Bid awarded.	
3	Construction	Project Scope was executed per approved Construction Documents & Schedule.	
4	Operations & Maintenance	Stakeholders reviewed finished Project Scope, deficiencies addressed, and limited maintenance (per manufacturer) discussed with operator.	

# Environmental Outcomes: Stormwater/Water Quality

- Please provide photographic documentation with captions of pre-existing conditions and postproject conditions.
  See attached photos #1,#2, #3 and #4 of pre-existing and post conditions.
- 2. Please provide a figure showing the completed stormwater related project components and where they were installed/constructed within the project site.
  - See attached Construction Documents A2.0 & C1.40
- 2. How will your organization sustain and maintain this project in whole or in part now that POLB grant funding has been expended?



The completed project is a parking lot completed using the TrueGrid permeable system which was chosen for it's durability and longevity. The parking lot will be maintained per the generally accepted norms for parking lots in addition to following manufacturer's recommendations. TRUEGRID typically requires very little maintenance. Most silt and sediment will decay and pass naturally through the system without affecting its permeable qualities. In cases of excessive leaves, they should be raked, or air blown being carefully so as to not remove the aggregate. See attached TRUEGRID Maintenance Guide

### Lessons Learned

- 1. The main challenge encountered in pursuing our intended conversion of a fully impermeable parking lot to a permeable one was the Fire Department objection to the TRUEGRID for the use of a permeable driveway surface for fire engine access, even though we demonstrated strength capacities for the use.
- 2. The TRUEGRID system has shown to be a versatile and cost effective solution in providing a durable and permeable parking lot surface.

# Comments

1. Please provide any suggestions you have for the Community Grants Program.

Future Grants should encourage the use of new & innovative materials that support the grant goals.

Do you have any event photos or stories you would like to share? Yes ⊠ No □
These photos and stories may be used in an upcoming Community Grant Newsletter. Please attach them with your final report in an e-mail.

The use of this innovative permeable parking surface not only converted impermeable parking surface to permeable parking surface but by its unique look has also experientially and aesthetically improved one's perception of the venue. See attached photo #5 of finished parking.

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- NOTE: SEE CIVIL & LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.

A2.



C1.40