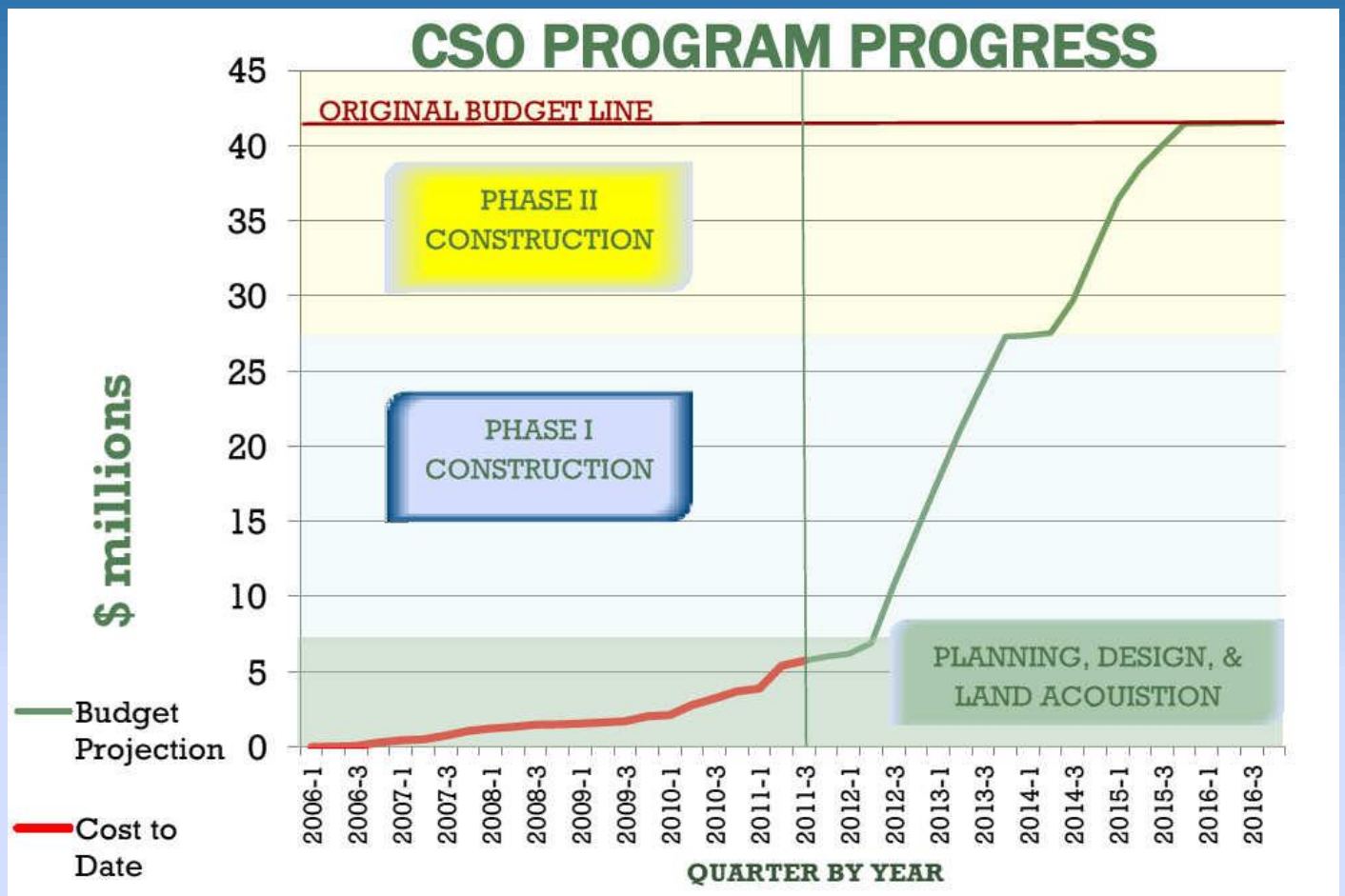


# CITY ENGINEER'S FALL 2011 CSO NEWSLETTER

(November 15, 2011)

In June 2011, staff completed an archaeological investigation along the pipeline alignment and a baseline environmental study of soil and groundwater on the 12.5 acre parcel that the City purchased from Rayonier. Both investigations were accomplished in cooperation with the Lower Elwha Klallam Tribe and the Department of Ecology. The effect of both increased knowledge of site conditions in order to reduce the risk of unanticipated discoveries during construction. More recently, we submitted the engineering requirements and application for an Individual Construction Stormwater Permit (ISWP) with the Department of Ecology. Approval for this is expected in early 2012. In addition, significant progress has been made in finalizing design requirements, to produce biddable construction documents expected by January 2012. Preparation is currently underway to commence design activities for the rehabilitation of the industrial outfall and for a professional services agreement for construction management.

Budgetarily, three projects in the Capital Facilities Program are being executed in phased work for the CSO program. They include the CSO Phase 1 project (WW08-2008), Plant Headworks Improvements (WW03-2005), and the CSO Phase II project (WW10-2008). In total, these projects comprise a program budget of \$41.5 million. The following graph shows the current expenditure level for the program and the projected costs including contingencies. Note that this cost projection rolls-up all past expenditures through January 2006. Even with these early costs included, in comparison with the original budget established for these projects in 2008, projections show the program to be executing on track. The good news to report is that there is no anticipated deficit in this program.



UPCOMING PROGRAM MILESTONES	DATE	ACTION
CSO Phase I Construction Management Contract Advertised	11/15/2011	
CSO Phase II Design Proposal - Brown & Caldwell	12/31/2011	
Rayonier Outfall Design Amendment - Brown & Caldwell	1/17/2012	Council Action
CSO Phase I SRF Loan Approval	1/24/2012	Council Action
CSO Phase I Construction Contract Competitively Advertised	2/11/2012	
CSO Phase I Construction Management Contract Awarded	2/21/2012	Council Action
CSO Phase I Post-Award Design Support Amendment - Brown & Caldwell	2/21/2012	Council Action
CSO Phase I Post-Award Environmental Services Amendment - Farallon	2/21/2012	Council Action
CSO Phase II Design Contract Amendment - Brown & Caldwell	3/20/2012	Council Action
Rayonier Outfall Rehabilitation Contract Competively Advertised	4/1/2012	
CSO Phase I Post Award Archaeological Support Contract Award	4/17/2012	Council Action
CSO Phase I Construction Contract Awarded	4/17/2012	Council Action
CSO Phase I Construction Contract Notice to Proceed Issued	6/4/2012	
Rayonier Outfall Rehabilitation Awarded	6/19/2012	Council Action
Plant Headworks Improvements Complete (included in Phase 1 contract)	12/31/2012	
CSO Phase II Design Complete	5/31/2013	
CSO Phase I Construction - Trail Work Complete	6/1/2013	
Rayonier Outfall Rehabilitation Complete	4th Qtr 2013	
CSO Phase II SRF Loan Application	4th Qtr 2013	
CSO Phase II Construction Management Contract Advertised	4th Qtr 2013	
CSO Phase I Construction Complete	4th Qtr 2013	
CSO Phase II SRF Loan Application Approval	1st Qtr 2014	Council Action
CSO Phase II Construction Contract Advertised	1st Qtr 2014	
CSO Phase II Construction Management Contract Awarded	1st Qtr 2014	Council Action
CSO Phase II Post-Award Design Support Amendment	1st Qtr 2014	Council Action
CSO Phase II Construction Contract Awarded	2nd Qtr 2014	Council Action
CSO Phase I Post Construction Monitoring Complete	4th Qtr 2014	
CSO Phase II Construction Complete	4th Qtr 2015	
CSO Phase II Post Construction Monitoring Complete	4th Qtr 2016	

The table above presents upcoming program milestones and when Council action would most likely be expected. The first half of 2012 has numerous actions projected to come forward to Council as the program progresses toward construction contract award. This isn't all that is happening with regard to reducing CSO impacts and improving stormwater quality. The following photographs show some other recent work undertaken by the City in conjunction with the street overlay project that is currently underway. Such small actions really can add up to significant improvement over time.



**New Stormwater  
Manhole - Albert St.  
October 2011**



**Finished Stormwater  
Separation – Albert St.  
October 2011**



**Preparation for Pervious  
Pavement – Race & 1<sup>st</sup> Streets  
November 2011**