



Date: July 28, 2014

To: Mayor and Members of the City Council

From: Patrick H. West, City Manager 

Subject: Ocean Boulevard (Bluff) Erosion and Enhancement Phase 2 Project

On July 1, 2014, the City Council directed staff to proceed with the Ocean Blvd. (Bluff) Erosion and Enhancement Project, and to further develop design concepts for biotechnical alternatives in lieu of the sculpted and landscaped shotcrete. Staff will complete conceptual designs for the biotechnical alternatives in 2-3 months, and will also evaluate the rough order of magnitude costs for construction and ongoing maintenance requirements. The results of the evaluation and cost estimates will be presented to the City Council when complete.

In the meantime, the contractor is proceeding with work at the top of Bluff Park, with the exception of the area under evaluation for biotechnical alternatives. The sidewalk work will be fully completed within the next week, and handrail installation will begin today. The plan is to begin installing the handrail at the Redondo Ave./Ocean Blvd. section of Bluff Park, and work westward towards the Museum of Art. The handrail installation is expected to be completed by August 30th. The contractor has submitted a plan and cost estimate to replace the existing irrigation system at Bluff Park, which has failed regularly and required constant repair. The irrigation installation work at Bluff Park is expected to take between 25-30 days and will begin as soon as the final cost is negotiated.

The landscaping improvements at the top, middle and bottom of the bluff are estimated to begin in 3-4 weeks. The final soil nails in Area 1 were completed today. No additional shotcrete will be used on areas (Area 1 and half of Area 2) with exposed soil nails; however, Area 2 may require minimal shotcrete (approximately 300 square feet) in order to adequately transition from an area with final shotcrete to an area with exposed soil nails and the engineers are currently developing this transition detail. The contractor is proceeding with the staining of Area 2 and 3 and should be completed in the next couple of weeks. The landscaping of the planter pockets on the bluff will begin after the staining is fully complete and the irrigation system has been fully installed. Final grading at the bottom of the bluff is expected to begin two weeks after the staining is complete.

Next steps include completing all improvements at Bluff Park (with the exception of the biotechnical evaluation area mentioned above) as soon as possible, including the handrail, sidewalk and irrigation system, and to develop the biotechnical alternative concepts for those areas with exposed soil nails. The

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final cost of the unbudgeted expenses such as demobilization, remobilization, peer review, cost of additional landscaping, irrigation improvement, and estimates of the biotechnical solution is also being finalized, and will be reported to the City Council as soon as possible.

For more information, please contact Eric Lopez, Tidelands CIP Officer, at (562) 570-5690.

cc: Suzanne Frick, Assistant City Manager
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