

FLOOD CONTROL ZONE 5 ADVISORY BOARD

MAY 17, 2012

STAFF REPORT

The following is a staff report for the items on the Agenda for the Flood Zone #5 Advisory Board (AB) meeting on May 17, 2012:

Item 1. Approval of Meeting Minutes for December 14, 2011

Action by Board: Advisory Board members will review the minutes from December 14, 2011 meeting, make corrections and approve minutes as corrected.

Item 2. Open Time (for Items not on the Agenda)

Comments will be heard for items not on the agenda (limited to three minutes per speaker).

Item 3. Stinson Flood Protection and Watershed Program Update

A successful Community Meeting introduced the watershed program to the residents of Stinson Beach and Seadrift on April 19, 2012. We had about 40 people in attendance to introduce the purpose of the program, the hydrology and hydraulics study, and the goals and expected outcomes of the study.

Matt O'Connor presented a draft computer model of hydrology and hydraulics that used existing conditions to show how water moves across the watershed, predicted depths, flooding locations and what occurs during the simulated storm events. LiDAR (light detection and ranging) data collected between 2009 and 2011 for a statewide coastal shoreline mapping project generated a digital elevation model (depicts topography, i.e. variations in the ground surface elevation) used as the base map for the Stinson Beach study, The O'Connor team surveyed the creek channel, bridge crossings and other significant features to improve upon the LiDAR data to create an accurate model of the creek and the watershed. Rainfall data and sea-level rise projections for the downstream Bolinas Lagoon were acquired to calibrate and input into the model. Additionally, existing habitat features and sediment sources were documented and will be incorporated into the model. The model, once completed and calibrated, will be used to model various community-generated alternatives for flood protection benefits and aquatic habitat impacts.

The model can be viewed as a short movie and we are soliciting feedback from residents familiar with the flooding in the area. The next step in the process will be to develop criteria that can be used to analyze various flood reduction and habitat restoration alternatives. The next public meeting is planned for late summer/early fall to present the draft findings of the alternatives analysis.

For information on the watershed program, including the flood model videos and the public meeting presentations, please visit: http://marinwatersheds.org/stinson_beach.html

Item 4. Easkoot Creek Annual Vegetation Maintenance

Staff will report on the annual creek vegetation maintenance work conducted last year and to be performed this summer.

Marin County Flood Control and Water Conservation District

Item 5. Update on Easkoot Creek Sediment Removal Project at Bridge Crossings and Interim Easkoot Creek Sediment Basin Project

As a regular maintenance activity the County Roads Maintenance crew will be removing accumulated sediment within Easkoot Creek in the vicinity of one or more bridge crossings. Work is contingent on permit conditions which require that the sediment removal be performed only at dry creek bed locations or with an authorized dewatering plan approved by the agencies. As part of a longer-term sediment management solution, the County Roads Maintenance crew will also be constructing a new sediment basin behind the Parkside Café. Pending the acquisition of required permits and a right-to-enter agreement with the National Park Service, work for the sediment removal and the sediment basin construction is tentatively scheduled to occur in late September and early October, 2012. All cost for these projects, except work within County Roads rights-of-ways, will be borne by the District. A cost breakdown of sediment removal at the bridge crossings and the new sediment basin will be provided for review by the Advisory Board.

Recommended Action: Recommend Zone 5 undertakes a project to construct a new interim sediment basin at Easkoot Creek.

Item 6. Zone 5 Budget FY 2012-13

The Zone 7 budget for FY 2012-2013 (begins July 1, 2012 and ends June 30, 2013) is attached and will be presented to the Board of Supervisors at a hearing this summer.

Recommended Action: Recommend that the Board of Supervisors adopt the budget.

Item 7. Announce Next Meeting Date

According to the bylaws, the next meeting of the Zone 5 Advisory Board would be August 16, 2012.