



Lompoc City Council Agenda Item

City Council Meeting Date: February 1, 2011

TO: Laurel M. Barcelona, City Administrator

FROM: Craig Dierling, P.E., Civil Engineering Associate III
c.dierling@ci.lompoc.ca.us

SUBJECT: PROJECT UPDATE ON CITY PROJECT NO. CS-08-S-2 –
FEASIBILITY STUDY FOR SANTA YNEZ RIVER BANK
STABILIZATION AT RIVERBEND PARK BIKEWAY

RECOMMENDATION:

Staff recommends the City Council receive a project update and presentation on recommended bank stabilization work for this project, and that the Council provide direction to staff for further work on the project.

BACKGROUND & UPDATE:

The banks of the Santa Ynez River adjacent to the City of Lompoc have periodically experienced erosion from substantial river flows in the past. One erosion location of concern is a reach of western riverbank North of Barton Avenue. To address the concern of progressing bank erosion at this location, the City has engaged a consulting team specializing in riverbank stabilization to evaluate the feasibility, cost, and other considerations for stabilizing this reach of riverbank. The consulting team is led by Craig Steward, P.E., CFM of Penfield & Smith, who has prepared the attached report entitled "Santa Ynez River Bank Protection Evaluation" dated January 20, 2011. This report presents the consulting team's evaluation of the bank erosion process, an overview of potential bank protection and stabilization methods, an explanation of the team's recommended bank stabilization method, and a discussion of the relevant considerations, processes, schedule, and costs involved in implementing such a project. The consulting team has prepared an additional report for a second location of bank erosion concern, located at the western bank of the Santa Ynez River adjacent to Riverside Drive between North Avenue and Pine Avenue. This second report is also attached, and also includes the consulting team's evaluation and recommendations for bank protection.

Concurrently, with the consulting team's preparation of the attached reports, City staff has investigated and monitored a number of sources which could potentially fund the implementation of these types of bank stabilization projects. Such potential funding sources include programs through the Federal Emergency Management Agency (FEMA), the National Fish & Wildlife Foundation, the California Emergency Management Agency, the California Water Resource Agency, and the Santa Barbara County Flood Control

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District. Though some of these funding sources offer grant programs able to cover the majority of project costs (such as 75%), the funding is most often awarded on a competitive basis (not guaranteed), and application cycles do not necessarily occur every year.

Respectfully submitted,

**Craig Dierling, P.E.
Civil Engineering Associate III**

Attachments: 1. ***“Santa Ynez River Bank Protection Evaluation” dated January 20, 2011, by Penfield & Smith.***
2. ***“Riverside Drive Bank Erosion Evaluation” dated January 20, 2011, by Penfield & Smith***

APPROVED FOR SUBMITTAL TO THE CITY ADMINISTRATOR:

**Larry A. Bean, P.E.
Public Works Director**

APPROVED FOR SUBMITTAL TO THE CITY COUNCIL:

**Laurel M. Barcelona
City Administrator**