



Agenda Date: 11/6/2007
Agenda Placement: 6J

NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

TO: Board of Supervisors
FROM: Michael Stoltz for Robert Peterson - Director
Public Works
REPORT BY: Kimberly Payne, Staff Services Analyst I , 259-8603
SUBJECT: Agreement with Winzler & Kelley for Hydrologic/Hydraulic Study for Sunnyside/Deer Park Road

RECOMMENDATION

Director of Public Works requests approval and authorization for Chair to sign an agreement with Winzler & Kelley for a maximum of \$58,606 for the term of November 6, 2007 to June 30, 2008, for the purpose of hydrologic and hydraulic study of existing channel and culverts located near the intersection of Deer Park Road and Sunnyside Road.

EXECUTIVE SUMMARY

In August 2006, The Board approved use of Measure A funds to conduct special flood studies of several flood prone areas throughout the unincorporated area of Napa County.

The proposed agreement will provide for study and evaluation of drainage facilities of approximately 3000 feet of a natural channel beginning at the crossing of Deer Park Road at the intersection with Sunnyside Road, an area that experienced flooding during the New Year's 2006 flood event. The resultant hydrologic and hydraulic study will be used to determine existing channel and culvert crossing capacities, and will provide recommendations to address any culvert crossing upgrades to allow the 100-year flood to pass without overtopping the roads. The study will also help address if the channel itself is adequate to handle the 100-year flood event.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	Capital Improvement Program
Is it Mandatory or Discretionary?	Discretionary

Discretionary Justification: Proposed scope of work is budgeted under project 52139900 that utilizes Measure A funds for County-wide flood studies.

Is the general fund affected? No

Future fiscal impact: None

Consequences if not approved: Study of the unique hydrological and hydraulic features of the Sunnyside/Deerpark Road area cannot be completed.

Additional Information:

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The proposed action is not a project as defined by 14 California Code of Regulations 15378 (State CEQA Guidelines) and therefore CEQA is not applicable.

BACKGROUND AND DISCUSSION

In 1998, voters approved Measure A, a half cent sales tax increase to be used for flood control purposes in the cities and unincorporated areas of Napa County. Measure A allows for the following types of projects in the unincorporated areas:

- | Flood damage reduction projects including elevating or relocating structures, including bridges, in the floodway and floodplain; and
- | Agricultural watershed and stormwater runoff management improvements planned jointly by the agricultural industry, the County, the Napa County Resource Conservation District, and the Department of Fish and Game. Projects under this category include those which reduce the amount of storm runoff and sediment in the Napa River System from agricultural lands; and those which increase flood storage of the River system by the setback of active land uses from river and tributary banks.

The proposed study will provide hydrologic analysis for the existing watershed for the area located near the intersection of Deer Park Road and Sunnyside Road. The study will begin with a review of existing data from a variety of sources (Corps of Engineers data; previous hydrologic studies; mapping data; county design standards; and discussions with county maintenance crews familiar with the effect of the flood event at the subject site.) After the analysis of the existing data is complete, site surveys and investigations will be performed, a hydrologic and hydraulic analysis will be conducted, and an applicable analytical model will be developed. At the conclusion of the study, a written report and summary of findings will be presented to County staff.

Winzler and Kelley was selected on a sole source basis because of its experience and knowledge of the unique hydrological and hydraulic features within the County. Winzler and Kelley was the successful responder to a Request for Qualifications in November 2006 for flood related assessment at Steel Canyon Road. It was also awarded a small study for structural capacity of a culvert bridge across Soda Springs.

SUPPORTING DOCUMENTS

None

CEO Recommendation: Approve

Reviewed By: Helene Franchi