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Agenda Date: 5/11/2010  
Agenda Placement: 7K

## NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

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**TO:** Board of Supervisors

**FROM:** Don Ridenhour - Director  
Public Works

**REPORT BY:** John Vicencio, ASSOCIATE ENGINEER - 259-8369

**SUBJECT:** Napa River Rutherford Reach Restoration Project Reach 3- Approval of Plans and Specifications and Authorization to Advertise

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### **RECOMMENDATION**

Director of Public Works requests approval of plans and specifications for the "Napa River Restoration-Rutherford Reach 3 Project", PW 10-01, authorization to advertise for sealed bids and opening of the bids at a time, date, and location to be published by the Director of Public Works pursuant to Section 20150.8 of the Public Contract Code.

### **EXECUTIVE SUMMARY**

The final design for Reach 3 of the Napa River Rutherford Reach Restoration Project is now complete. The project can now be bid. The construction and restoration of Reach 3 will continue on from Reach 2 beginning at Mee Lane and continuing south for approximately 4,000 feet and will take place on both banks of the Napa River.

### **FISCAL IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	Capital Improvement Program-Measure A and State Water Regional Water Quality Control Board Grant.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	Design has been completed. The project must now be bid to be able to move to construction.

Is the general fund affected?	No
Future fiscal impact:	This construction project will extend into FY 2010-2011. Following construction, maintenance is being funded by an assessment district that was created by the Flood Control District. Future construction phases for other reaches will require additional grants and also additional Measure "A" fund allocations.
Consequences if not approved:	Potential loss of grant monies, landowner involvement, and continued degradation of the Napa River can occur.
Additional Information:	<p>The Rutherford Dust Society (RDS), the County of Napa, the Napa County Flood Control and Water Conservation District (NCFCWCD), and Napa County Resource Conservation District (RCD) entered into a Memorandum of Understanding (MOU) in March 2005 defining roles and responsibilities to accomplish a plan for restoration and management of a 4.5 mile stretch of the Napa River in the Rutherford Appellation. The preliminary design of the Napa River Rutherford Reach Restoration Project (the Project), funded partly by County Measure "A" funds and partly by a grant from the Coastal Conservancy, was completed in December 2008. The Project has been separated into 9 reaches with construction starting last year with Reaches 1 and 2, East Bank. Reaches 1 and 2, West Bank construction is scheduled to begin this summer.</p> <p>Reach 3 is being funded by grants brought forward by the Rutherford Dust Society and landowner project proponents and matched by the County using Measure "A" funds. In June, 2009 the County was awarded \$715,000 from a State Water Regional Quality Control Board (SWRCB) Federal Clean Water Act Section 319(h) grant. The County matched this grant with an additional \$625,000 of Measure "A" funds.</p> <p>With the final design now complete, an updated engineer's estimate for Reach 3 construction is approximately \$750,000. The actual cost of construction will be determined following the formal bidding process for this portion of the project.</p>

## **ENVIRONMENTAL IMPACT**

**ENVIRONMENTAL DETERMINATION:** Mitigated Negative Declaration Prepared. According to the Mitigated Negative Declaration, the proposed project would have, if mitigation measures are not included, potentially significant environmental impacts in the following areas: Aesthetics, Cultural/Paleontological Resources, Air Quality. This project site is not on any of the lists of hazardous waste sites enumerated under Government code section 65962.5 Project permit obtained from United States Army Corps of Engineers will include additional environmental evaluations to comply with NEPA as may be needed if Federal grant funds are used to fund future construction efforts.

## **BACKGROUND AND DISCUSSION**

### **Reaches 1 and 2 (East Bank)**

Construction for the Rutherford Dust project took place last summer beginning with the east bank of Reaches 1 and 2 and was performed by Siteworks from Lafayette, CA. Work that was completed include excavating benches and laying back existing vertical slopes in the river channel to stabilize these areas and reduce sediment loads into the Napa River. After excavation these areas were later revegetated with native species from the Napa River Watershed. All earthwork was completed last year but due to time constraints the Large Woody Debris structures (LWD), which will provide additional refugia and habitat for native migrating fish, could not be installed in the channel. These structures will be installed this summer which will complete construction of the East Bank.

### **Reaches 1 and 2 (West Bank)**

This portion of the project is currently being advertised to solicit bids, with the bid opening scheduled for May 27. Construction is anticipated to begin in the summer of 2010 and will take place on the west bank. The extent of the work on the west bank will begin approximately 2,400 feet south of Zinfandel Lane and will continue south for approximately 4,200 feet ending at Mee Lane. Construction will include many of the features mentioned above for the east bank with the addition of an alcove and rock structures designed to provide additional resting areas for migrating native fish.

### **Reach 3-Subject of this item**

On October 13, 2009 the Board of Supervisor approved a contract with Philip Williams and Associates (PWA) for the completion of plans, specifications, permit applications, and providing construction administration support services for restoration of Reach 3. With the final design now complete an updated engineer's construction cost estimate for the project is approximately \$870,000. The actual cost of construction will be determined following the formal bidding process for this portion of the project. Staff will return to the Board with bid results and ask for authorization for award of the construction contract.

Construction for Reach 3 is targeted in the Summer of 2010 pending permit acquisition. Reach 3 construction will continue restoration efforts from Mee Lane and continue south for approximately 4,000 feet and will take place on both banks of the Napa River. Construction will include excavating benches and regrading vertical banks in specific areas to reduce sediment loads into the river. Large woody debris will be constructed and placed at specific locations in the river to provide additional habitat and refugia for migrating native fish. A new berm will be constructed along the upper banks of the river and will be located further landward to increase the river's riparian area. A grade control structure will be constructed in the river at the southern extent of the reach for protection against channel down cutting which will in turn foster river bank stability.

Once construction is complete revegetation of all disturbed areas will be performed. Invasive plant species that have been removed will be replaced with native vegetation that has been propagated from the Napa River Watershed. These new plantings will be monitored and maintained over a 3 year period to assure that they become properly established. All revegetation efforts for Reach 1 and 2 West Bank and Reach 3 will be performed under a separate contract during the summer of 2010.

### **SUPPORTING DOCUMENTS**

None

CEO Recommendation: Approve

Reviewed By: Helene Franchi