

# county of ventura



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Agency Director

Central Services  
**Joan Araujo**, Director

Engineering Services  
**Christopher Cooper**, Director

Transportation  
**David Fleisch**, Director

Water & Sanitation  
**Joseph Pope**, Director

Watershed Protection  
**Glenn Shephard**, Director

July 23, 2019

Board of Supervisors  
Ventura County Watershed Protection District  
800 South Victoria Avenue  
Ventura, California 93009

**Subject:** Approval of, and Authorization for the Director of the Public Works Agency or His Designee to Execute, a Consultant Services Contract with Pivot Engineers, PLLC for Engineering Services for the Reinforced Concrete Channel Rehabilitation Prioritization, Located Countywide, in the Not to Exceed Amount of \$653,275; Contract No. AE19-042; Project No. P6086053; Supervisorial District Nos. 1, 2, 3, 4, and 5; Watershed Protection District Zone Nos. 1, 2, and 3

**Recommendations:**

It is recommended that your Board:

1. Approve a consultant services contract with Pivot Engineers, PLLC for engineering services for the Reinforced Concrete (RC) Channel Rehabilitation Prioritization located in Zones 1, 2, and 3, in the not to exceed amount of \$653,275.
2. Authorize the Director of the Public Works Agency or his designee to execute the subject contract if approved.

**Fiscal Mandates/Impact:**

Mandatory:	No
Source of Funding:	Watershed Protection District Zones 1, 2, and 3
Funding Match Required:	No
Impact on Other Department(s):	None

Summary of Revenues and Costs:	<u>FY 2019-20</u>	<u>FY 2020-21</u>
Revenue:	\$ 0	\$ 0
Costs:		
Direct	\$ 653,275	\$ 0
Indirect/Agency Dept.	\$ 0	\$ 0
Indirect/County CAP	\$ 0	\$ 0



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Total Costs	\$ 653,275	\$ 0
Net District Costs	\$ 653,275	\$ 0
Recovered Indirect Costs	\$ 0	\$ 0

Current FY Budget Projections:

<b>Current FY 2019-20 Budget Projection for Watershed Protection Zones 1,2 &amp; 3 – Units 4211,4221 &amp; 4231</b>				
	Adopted Budget	Adjusted Budget	Projected Budget	Estimated Savings/(Deficit)
Appropriations	\$ 13,136,300	\$ 13,136,300	\$ 13,136,300	\$0
Revenue	\$ 23,674,046	\$ 23,674,046	\$ 23,674,046	\$0
Net Cost	\$(10,537,746)	\$(10,537,746)	\$(10,537,746)	\$0

Sufficient appropriations and revenue are included in the FY 2019-20 Zones 1, 2, and 3 Adopted Budgets.

**Discussion:**

In 2016, the Ventura County Watershed Protection District (District) finished compiling design and condition information on much of its infrastructure and facilities in order to prioritize maintenance, repair, and rehabilitation needs. The information, which included the age of the facility, the construction drawing numbers, construction materials, structural assessment, and condition assessment, were memorialized in the Operations and Maintenance (O&M) Baseline Workbook. From compiling this information, the District determined a need for a more comprehensive assessment of the reinforced concrete (RC) rectangular channel inventory as well as closing information gaps.

This RC Channel Rehabilitation Prioritization project consists of providing expert structural engineering consulting services in order to rank and prioritize the District's inventory of 167 RC rectangular channels and recommending alternatives for the 24 most structurally deficient concrete channels, as well as to provide general repair guidance and recommendations to mitigate potential channel failures. The proposed Contract includes a review of the information contained in the O&M Baseline Workbook, and field inspection of those RC rectangular channel reaches where no construction documents exist. Subsequent field work includes both nondestructive and destructive testing procedures on RC rectangular channels identified by the earlier field reconnaissance. The results of the tests will be presented to the District along with a ranking methodology, priority ranking, recommendations, repair guidance, and rehabilitation alternatives.



This project requires a high level of technical competence and experience in the areas of structural investigation, evaluation, durability, and rehabilitation, and direct experience with RC rectangular channels. Pivot Engineers, PLLC is a firm with extensive experience and expertise in large-scale reinforced concrete evaluation and rehabilitation projects. The project team includes several internationally recognized subject matter experts in structural and concrete durability and rehabilitation, offering the District a crucial resource for the project moving forward.

The Contract is on a standard form previously reviewed by County Counsel.

This item has been reviewed by the County Executive Office, the Auditor-Controller's Office, and County Counsel.

If there are any questions regarding this item, please contact the undersigned at (805) 654-2040.

Sincerely,



Glenn Shephard, P.E.  
Director, Watershed Protection

Attachment:  
Exhibit 1 – Professional Services Contract AE19-042

