

The County of Yuba

Community Development and Services Agency



TO: Board of Supervisors

FROM: Community Development and Services Agency, Daniel Peterson

SUBJECT: Approve agreement with Peterson-Brustad Inc for the Climate Change Vulnerability Analysis, and authorize Chair to execute. (Five Minute Estimate)

DATE: 4/27/2021

NUMBER: 188/2021

Recommendation

It is recommended that the Board of Supervisors approve Agreement between Yuba County, on behalf of its Community Services and Development Agency, and Peterson-Brustad Inc. for the Climate Change Vulnerability Analysis, Contract No. 102-8021.

Background

The project will inventory the existing drainage system, evaluate the capacity of the existing drainage system, and compare the existing capacity to anticipated flows based on the latest hydrologic data. This analysis will include the drainage facilities within the urbanized areas. The analysis shall also examine how these drainage facilities interact with the downstream drainage facilities owned and operated by Reclamation District 784. The project represents the first phase of a comprehensive effort in the preliminary designs for critical improvements.

Discussion

The vulnerability analysis will examine the vulnerability of the urbanized areas of Linda, West Linda, and Olivehurst to climate change. The project area comprised of Linda, Olivehurst, and West Linda relies upon drainage infrastructure that evolved over time, but was never designed or analyzed to operate as an engineered system. Portions of the project area frequently experience localized flooding due to inadequate drainage; this flooding impacts both transportation corridors and private properties.

Once this Analysis is complete, the findings of this study will aid in the development of a future capital improvement program (CIP) to retrofit the drainage system in the project area, incorporate water quality Best Management Practices (BMPs), and preliminary designs for critical improvements.

Committee Action

The Land Use and Public Works Committee was bypassed as this project is included in the Public Works Budget

Fiscal Impact

General Fund – None

Non- General Fund - \$250,000

Source of Funds – Community Development Block Grant

Attachments

188/202 Climate Change Vulnerability Analysis Agreement