



# COUNTY OF HUMBOLDT

For the meeting of: 10/9/2018

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File #: 18-1269

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To: Board of Supervisors

From: Public Works

SUBJECT:

Supplemental Budget for Water Management (Budget Unit 251), Authorizing Resolution, and Request for Proposals for Sea Level Rise Adaptation Plan for Humboldt Bay Transportation Infrastructure (Phase 1) (4/5 Vote Required)

RECOMMENDATION(S):

That the Board of Supervisors approves the resolution authorizing the Public Works Director, or a designee thereof, to enter into a grant agreement with the California Department of Transportation ("Caltrans") to receive funding from the 2018-2019 Caltrans Adaptation Planning Grant Program for preparation of the Sea Level Rise Adaptation Plan for Humboldt Bay Transportation Infrastructure (Phase 1); authorize Public Works to issue the attached Request for Proposals; direct Public Works to bring the Agreement for Professional Services with the selected consulting firm back to the Board for review and approval; and approve the attached supplemental budget for budget unit 251 (4/5 Vote Required).

SOURCE OF FUNDING:

Caltrans Adaptation Planning Grant; City of Eureka; Humboldt County Association of Governments (HCAOG); Road Fund

DISCUSSION:

In February 2018, Public Works applied to the Caltrans Adaptation Planning Grant program for a grant of Four Hundred and Twenty-Five Thousand Dollars (\$425,000.00) to support the preparation of a sea level rise adaptation plan for the Eureka Slough hydrologic sub-unit of Humboldt Bay. This area includes segments of Highway 101, county and city roads, railroad, and the future Humboldt Bay Trail, along with Murray Field airport, utility transmission lines (gas, electrical, water), wastewater pump stations, and a mix of industrial, commercial, residential, agricultural and wildlife land use. Due to ground surface elevations, exposure to wind waves, and the condition of levees and embankments, this area is especially vulnerable to flooding hazards, with vulnerability expected to increase due to the progressive rise of sea levels.

The Eureka Slough area spans multiple municipal jurisdictions, and a variety of stakeholders including City of Eureka, HCAOG, Caltrans, North Coast Railroad Authority, California Department of Fish & Wildlife, the Humboldt Bay Harbor, Recreation and Conservation District, Humboldt County Farm Bureau and Pacific Gas & Electric Company desire to participate in regional collaboration for adapting to sea level rise. The City of Eureka and the Humboldt County Association of Governments were sub-applicants for the grant, which is funded through Senate Bill 1, the Road Repair and Accountability Act of 2017. Caltrans requires a resolution (attached) authorizing Public Works to enter into the proposed grant agreement.

The project will prepare an adaptation plan that identifies the specific flooding vulnerabilities within the planning area and develops adaptation project concepts, with an emphasis on stakeholder engagement, multi-benefit goals, best available scientific information, cost-effectiveness, and strategic planning. The project is expected to be completed in June 2020.

Professional services are needed to assist with engineering studies, engineering designs, flood vulnerability assessment, risk assessment, mapping, public outreach, and other technical tasks. Public Works has prepared the attached Request for Proposals in accordance with the county's Purchasing Policy and the Caltrans Local Assistance Procedures Manual. Public Works will bring the proposed professional services agreement with the selected firm to the Board for approval.

FINANCIAL IMPACT:

The estimated total project cost is \$480,063. The award from the Caltrans Adaptation Planning Grant program is \$425,000. The City of Eureka will provide \$25,000 in cash match and HCAOG will provide \$5,063 in cash match. The county will provide \$25,000 in

cash match, primarily through in-kind services (staff time) funded through the Road Fund. The project will span two fiscal years (2018-19 and 2019-20). The attached supplemental budget incorporates the project at the appropriate revenue and expenditure lines.

Approving this recommendation will support the Board's Strategic Framework by providing for and maintaining infrastructure and creating opportunities for improved safety and health.

OTHER AGENCY INVOLVEMENT:

Caltrans, City of Eureka, HCAOG

ALTERNATIVES TO STAFF RECOMMENDATIONS:

Board discretion. If the resolution or Request for Proposals are not approved, then the project would not be implemented.

ATTACHMENTS:

Project Area Map

Grant Agreement

Resolution

Request for Proposals

Supplemental Budget

PREVIOUS ACTION/REFERRAL:

Board Order No.: N/A

Meeting of: N/A