



CITY OF LONG BEACH

DEPARTMENT OF PUBLIC WORKS

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September 5, 2017

HONORABLE MAYOR AND CITY COUNCIL
City of Long Beach
California

RECOMMENDATION:

Authorize the City Manager, or designee, to apply for, and accept, if awarded, Hazard Mitigation Grant Program DR-4301, 4305 and 4308 Sub-Application, grant funds under the authority of the Robert T. Stafford Emergency Assistance and Disaster Relief Act through the Federal Emergency Management Agency and the California Governor's Office of Emergency Services for up to \$3,000,000, for the Peninsula Beach Erosion Improvement Plan; authorize up to \$1,840,000 in matching City funds; and, execute all documents necessary to accept the funds and implement the project. (District 3)

DISCUSSION

City Council approval is requested to accept, if awarded, a grant for \$3,000,000 with a matching fund commitment of \$1,840,000 to be used for the Peninsula Beach Erosion Improvement Plan (Project). Funds awarded would allow for coastal erosion protection along the eastern shoreline of Peninsula Beach at an estimated project cost of \$4,840,000.

California declared several Federal Disasters this year due to severe winter storms, flooding and mudslides. As a result, \$40 million is available for hazard reduction grants. The Hazard Mitigation Grant Program (Program) grant funds, under the authority of the Robert T. Stafford Emergency Assistance and Disaster Relief Act (Stafford Act) through Federal Emergency Management Agency (FEMA) and California Governor's Office of Emergency Services (Cal OES), are available for "shovel-ready" projects that implement a long-term risk reduction solution to a flood or erosion problem.

Erosion to the eastern shore of Peninsula Beach has resulted in a very narrow beach that floods during storm events (Exhibit A). This portion of the beach is cut off from the littoral drift that normally occurs along coastal beaches due to the adjacent rock jetties at Alamitos Bay. This forced the City to replenish the sand to mitigate further erosion. Recent storms in February 2017, caused significant damage to the beach, elevating the City's priority level for developing a more effective approach to maintain the shoreline.

In late 2015, the City initiated a feasibility study to evaluate options for managing sand along the beach and to determine the best approach for long-term management of the site. The results of the study show that a wider beach with a more natural slope would slow the rate of erosion. Placing the sand via hydraulic pump, which consolidates the sand faster than using dump trucks, will also minimize the rate of erosion (Exhibit B).

The selected alternative for Peninsula Beach is broken into two phases. The first phase includes placing clean sand on the beach to widen it and change the slope. The next phase will implement a hydraulic pump system to transport the sand from areas of accretion, located about one to two miles away, to the Project area.

This matter was reviewed by Deputy City Attorney Richard F. Anthony on July 11, 2017 and by Budget Analysis Officer Julissa José-Murray on August 18, 2017.

TIMING CONSIDERATIONS

City Council action is requested on September 5, 2017, to meet the grant application requirements.

FISCAL IMPACT

If the grant application is successful, the City will receive grant funds up to \$3,000,000 for the Project. The City will be required to provide matching funds in the amount of \$1,840,000. Currently, \$1,160,000 is budgeted in the Tidelands Operations Fund (TF 401) in the Parks, Recreation and Marine Department (PR) and \$330,000 is budgeted in the Tidelands Operations Fund (TF 401) in the Public Works Department (PW). The remaining funds, in the amount of \$350,000, are being requested as part of the FY 18 Proposed Budget in the Tidelands Operations Fund (TF 401) in the Parks, Recreation and Marine Department (PR). If the grant is awarded, the Project will be submitted to the State Lands Commission (SLC) for approval. The project will only proceed upon obtaining the required SLC approval. Operations and maintenance costs are currently unknown and unfunded and will be addressed as part of the FY 19 budget process. There is no local job impact associated with this recommendation.

SUGGESTED ACTION:

Approve recommendation.

Respectfully submitted,



CRAIG A. BECK
DIRECTOR OF PUBLIC WORKS



MARIE KNIGHT
DIRECTOR OF PARKS,
RECREATION, AND MARINE

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APPROVED:



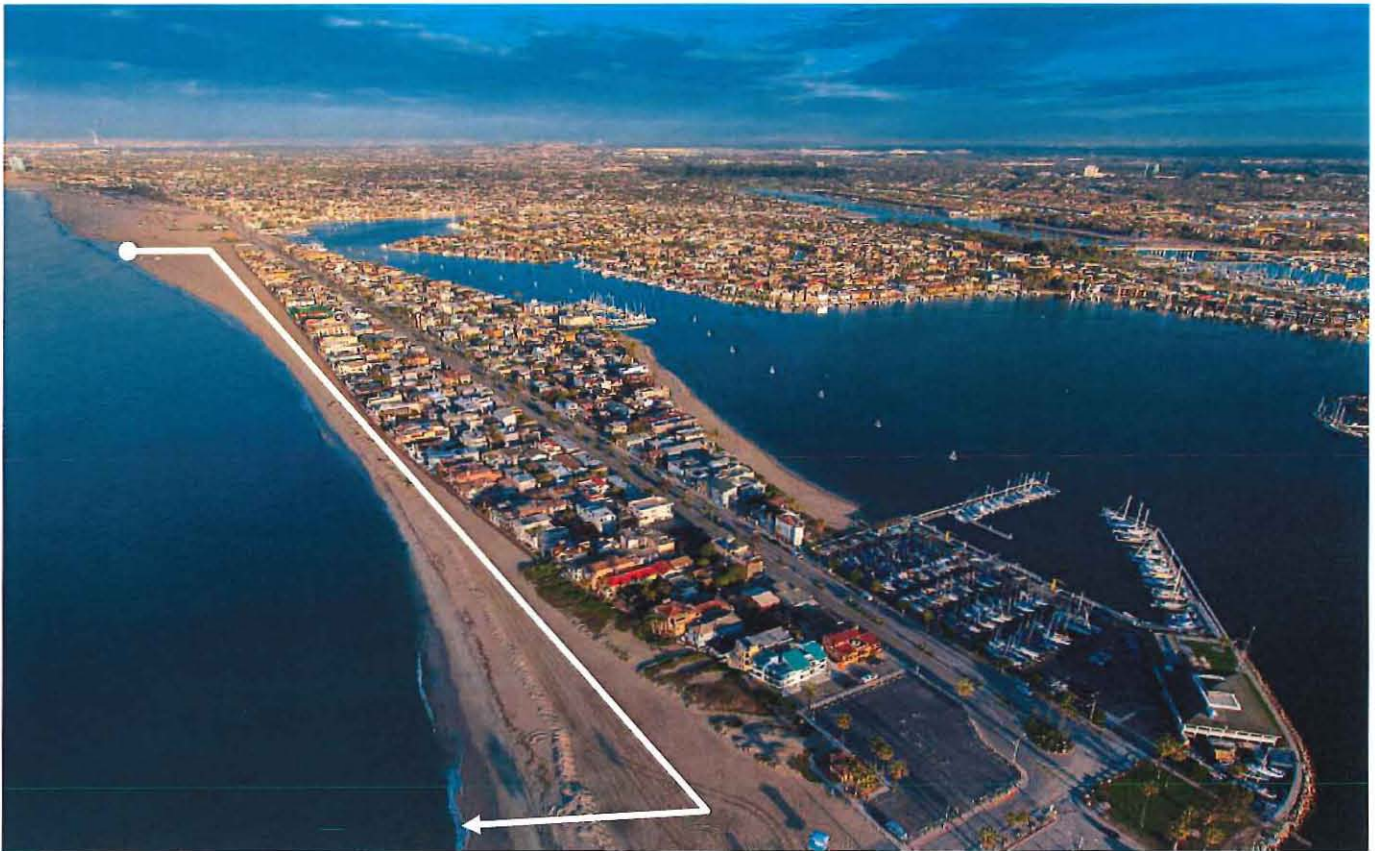
PATRICK H. WEST
CITY MANAGER

Exhibit A

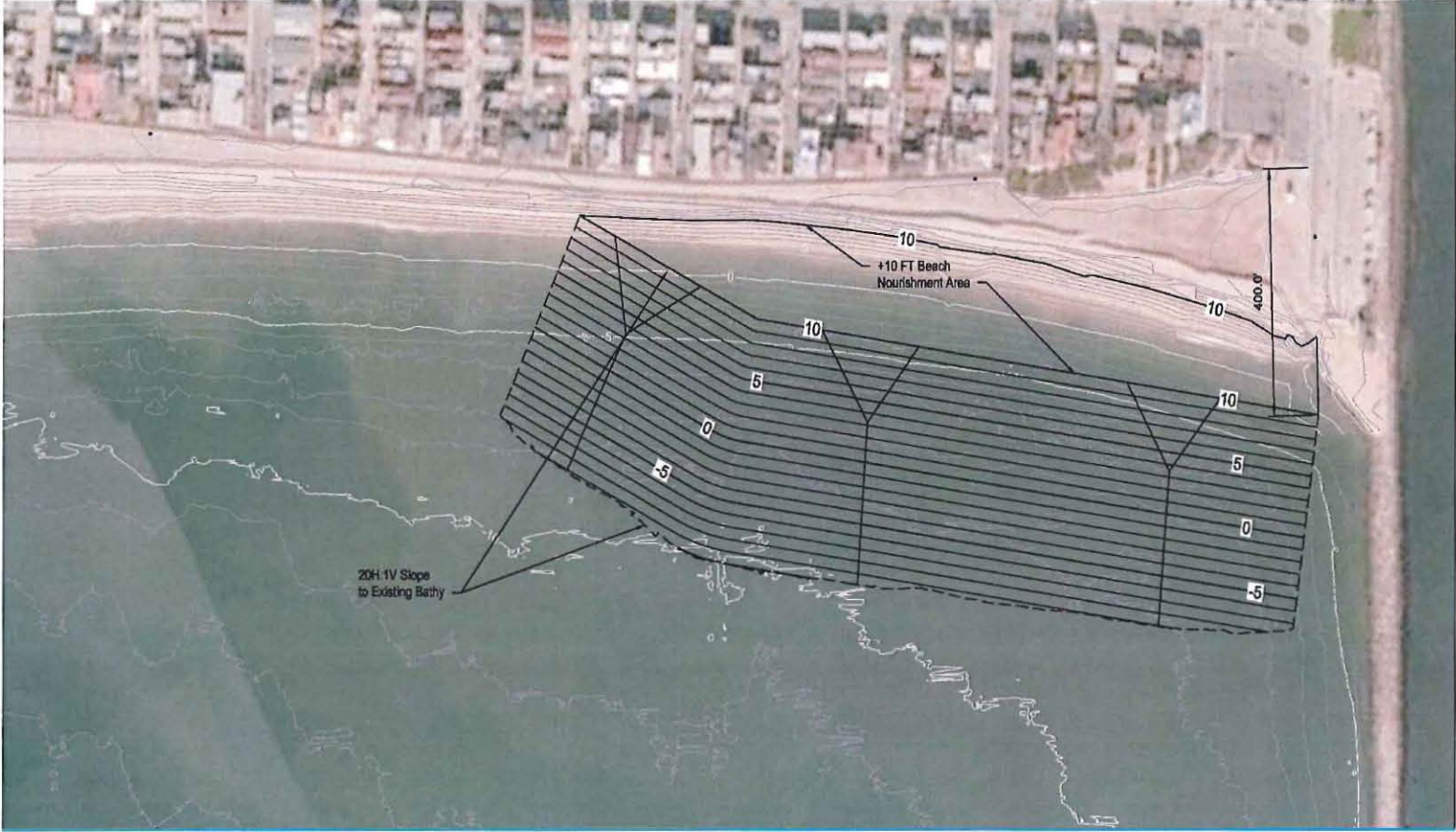
LOCATION MAP



Hydraulic Backpassing



Target Beach Fill Area



Alternative 2 Overall Approach

