



DATE: April 7, 2020

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Approving Plans and Specifications and Call for Bids for the Sulphur Creek Mitigation Project at Hayward Executive Airport

RECOMMENDATION

That Council adopts a Resolution (Attachment II) approving the plans and specifications for the Sulphur Creek Mitigation Project at Hayward Executive Airport, calling for bids to be received on May 1, 2020.

SUMMARY

The Federal Aviation Administration (FAA) determined that a portion of Sulphur Creek that transverses Hayward Executive Airport (HEA) poses a potential safety hazard to aircraft that may veer off taxiways or runways in an emergency or for other reasons. The preferred solution is to enclose the open channels of the creek as well as grade the immediate areas surrounding the channels.

The three-phased project is entering the third phase. The first phase involved an Environmental Assessment under the National Environmental Policy Act (NEPA). Following the FAA's consultant selection criteria, Council approved a professional services agreement (PSA) with Kimley-Horn, for the design of the Sulphur Creek Mitigation project on July 17, 2018. The final phase is construction of the project. The project budget of \$3,700,000 is funded via the FAA, Caltrans Division of Aeronautics, and the City's Airport Enterprise fund.

BACKGROUND

A portion of Sulphur Creek crosses HEA and flows to the San Francisco Bay. Approximately 412 feet of the creek flows in an open channel on the airfield within the Runway Safety Area of Runway 10L-28R. This poses a potential safety hazard if an aircraft leaves the runway pavement due to pilot error or for other reasons. Under these circumstances, the aircraft could impact the open channel with the possibility of significant damage to the aircraft and injury to its occupants.

In 2007, the FAA Runway Safety Action Team (RSAT) recognized this potential safety issue and recommended that the City take steps to cover the open portions of the creek near the runways and grade the immediate area to a smooth surface. Airport staff subsequently

contacted the FAA San Francisco Airports District Office (ADO) and determined this project is eligible for grant funding under the Airport Improvement Program (AIP).

DISCUSSION

The purpose of a Runway Safety Area is to provide a prepared surface in the turf area surrounding a runway to reduce damage in the event of an aircraft undershoot, overshoot, or excursion from the runway. Enclosing the open channel in the Runway 10L-28R Runway Safety Area and grading the immediate area will provide important safety benefits to HEA users and the City. Since this potential safety hazard was identified and funding is available to mitigate the hazard, staff recommends that this issue be addressed.

Since the project is being partially funded by AIP funds, the project must follow FAA policies and procedures. The first phase consisted of an environmental review and preliminary design. A Finding of No Significant Impact (FONSI) was issued by the FAA in May 2016, and extended in 2019, after review of the Environmental Assessment (EA) in compliance with the National Environmental Policy Act (NEPA). The delay between NEPA approval and the commencement of the design phase is primarily because funding for the Sulphur Creek project was deferred until FY 2018, to permit the urgent pavement rehabilitation of Runway 10R-28L in late 2016. The delay was also the result of FAA personnel changes, and the need to research and draft a RFQ for design services.

A California Environmental Quality Act (CEQA) review was also conducted permitting a design for the project and advertisement. In accordance with CEQA, an exemption was filed under Class 1, Section 15301, Existing Facilities as the project improves safety and does not increase capacity. As part of the CEQA process, the City is coordinating with the required agencies regarding appropriate mitigation for impacts identified in the environmental process.

The final phase, which includes reimbursement for the CEQA and permitting efforts, construction costs, and construction support is anticipated to be issued in a Federal FY 2020 AIP grant. Staff estimates a total of \$3.7 million in costs for the remaining phase of the project.

ECONOMIC IMPACT

No economic impact is associated with this item.

FISCAL IMPACT

Most of the cost for the construction of the project will be reimbursed through grants from the FAA covering 90 percent of the actual cost; another match of 5% will be provided through Caltrans' Division of Aeronautics.

The adopted FY 2020 Capital Improvement Program (CIP) includes \$3.1 million for the construction phase, and \$3.7 million total. Staff anticipates that the FAA will reimburse \$3.33 million of this total. A summary of funding sources is noted in the table below:

AGENCY	AMOUNT	PROJECT PHASE
FAA (90%)	\$540,000	Design
FAA (90%)	\$2,790,000	Construction
Caltrans (5%)	\$185,000	Construction
City of Hayward (5% match)	\$185,000	Design and Construction
TOTAL	\$ 3,700,000	

STRATEGIC ROADMAP

This agenda item supports the Strategic Priority of Improve Infrastructure. Specifically, this item relates to the implantation of the following project:

Project 11, Part 11. b: Upgrade and maintain Airport Infrastructure Design. Enclose and construct open sections of Sulphur Creek adjacent to runways,

SUSTAINABILITY FEATURES

The Airport is committed to developing projects that are environmentally responsible. Therefore, the project requires the contractor to recycle all construction and demolition debris as a result of the project.

PUBLIC CONTACT

The Council Airport Committee (CAC) discussed the Sulphur Creek project on several occasions since 2008. Last discussions occurred during CAC meetings held on April 23, 2015, April 28, 2016, January 20, 2019, September 19, 2019, and January 23, 2020; the meetings in latter 2019 and early 2020 included valuable input from the community, especially the Friends of San Lorenzo Creek. In addition, a community meeting was held on January 15, 2020 to discuss the latest project developments.

NEXT STEPS

May 1, 2020 Bid Opening
 June 2020 Award of Contract
 May 2021 Start of Construction
 August 2021 End of Construction

Prepared by: Kathy Garcia, Deputy Director of Public Works

Recommended by: Alex Ameri, Director of Public Works

Approved by:



Kelly McAdoo, City Manager