

AIRPORT COMMISSION

CITY AND COUNTY OF SAN FRANCISCO

RESOLUTION NO. 15-0192

**AUTHORIZATION TO SEEK A FINDING FROM THE SAN FRANCISCO BOARD OF SUPERVISORS THAT THE PROPOSED AIRPORT SHORELINE PROTECTION PROJECT IS FISCALLY FEASIBLE AND RESPONSIBLE PURSUANT TO ADMINISTRATIVE CODE CHAPTER 29**

WHEREAS, San Francisco Administrative Code Chapter 29 requires that prior to initiating environmental review, City departments proposing a project that is estimated to have an implementation or construction costs greater than \$25 million and use more than \$1 million in public monies prepare a financial feasibility study and submit it to the Board of Supervisors for a finding that the proposed project is fiscally feasible and responsible; and

WHEREAS, in 2013, the Airport contracted with a consulting firm to provide a Shoreline Protection Feasibility Study. The study is now complete and recommends various improvements necessary to protect the Airport from a 100-year flood and anticipated sea level rise; and

WHEREAS, the proposed Airport Shoreline Protection Project ("Project") would address the deficiencies in the existing seawall system by constructing new shoreline protection segments, stabilizing the embankments, installation of seepage cutoff walls and providing closures in the seawall system; and

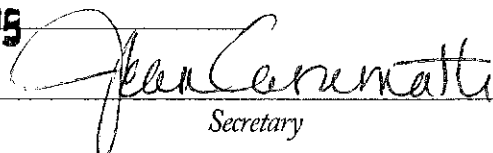
WHEREAS, the proposed Project is estimated to cost \$58 million and was included in the prior Capital Plan; now, therefore, be it

RESOLVED, that the Commission hereby authorizes the Airport Director to seek a finding from the Board of Supervisors that the proposed Airport Shoreline Protection Project is fiscally feasible and responsible under San Francisco Administrative Code Chapter 29.

*I hereby certify that the foregoing resolution was adopted by the Airport Commission*

*at its meeting of* \_\_\_\_\_

SEP 22 2015

  
Secretary

San Francisco International Airport

MEMORANDUM

September 22, 2015

TO: AIRPORT COMMISSION  
 Hon. Larry Mazzola, President  
 Hon. Linda S. Crayton, Vice President  
 Hon. Eleanor Johns  
 Hon. Richard J. Guggenlime  
 Hon. Peter A. Stern

15-0192

SEP 22 2015

FROM: Airport Director

SUBJECT: Authorization to seek a finding from the Board of Supervisors that the proposed Airport Shoreline Protection Project is fiscally feasible and responsible under San Francisco Administrative Code Chapter 29

DIRECTOR'S RECOMMENDATION: AUTHORIZE THE DIRECTOR TO SEEK A FINDING FROM THE BOARD OF SUPERVISORS THAT THE PROPOSED AIRPORT SHORELINE PROTECTION PROJECT IS FISCALLY FEASIBLE AND RESPONSIBLE UNDER SAN FRANCISCO ADMINISTRATIVE CODE CHAPTER 29

Executive Summary

Transmitted herewith for your approval is a proposed Resolution authorizing the Director to seek a finding from the Board of Supervisors (BOS) that the proposed Airport Shoreline Protection Project is fiscally feasible and responsible under San Francisco Administrative Code Chapter 29.

Recognizing the potential flood risks, the Airport completed an Airport Shoreline Protection Feasibility Study to identify deficiencies in its existing shoreline protection system. The study provides recommendations on improvements necessary to protect the Airport from a 100-year flood and sea level rise. The Airport staff recommends proceeding with the improvements under the Airport Shoreline Protection Project ("Project").

Background

Pursuant to Chapter 29 of the San Francisco Administrative Code, prior to initiating environmental review for a proposed project, any project with an estimated implementation or construction costs greater than \$25 million and requiring more than \$1 million in public monies is required to be submitted to the BOS to determine whether the plan for undertaking and implementing the project is fiscally feasible and responsible. The Director of the proposing City department must prepare a financial feasibility study and submit to the BOS prior to submitting the project to the San Francisco Planning Department for environmental review. The BOS reviews the project plan and its proposed implementation and issues a formal determination of whether the project is fiscally responsible and feasible.

THIS PRINT COVERS CALENDAR ITEM NO. 11

AIRPORT COMMISSION CITY AND COUNTY OF SAN FRANCISCO

EDWIN M. LEE  
MAYORLARRY MAZZOLA  
PRESIDENTLINDA S. CRAYTON  
VICE PRESIDENT

ELEANOR JOHNS

RICHARD J. GUGGENHIME

PETER A. STERN

JOHN L. MARTIN  
AIRPORT DIRECTOR

Since the early 1980s, the Airport has been constructing various types of seawalls including earth berms, concrete dikes and vinyl sheet piles which now provides protection of 80% of the Airport's bay front perimeter. However, there are gaps of various lengths along the shoreline that may allow water to enter the airfield. These gaps include segments at the US Coast Guard station, the Mel Leong Treatment Plant, the north and south boundaries, and the drainage outfall locations.

In 2013, the Airport contracted with a consulting firm to provide a Shoreline Protection Feasibility Study. The study is now complete and recommends various improvements needed to protect the Airport from a 100-year flood and anticipated sea level rise.

The proposed Project would address the deficiencies in the existing seawall system by constructing new shoreline protection segments at the Mel Leong Treatment Plant, the US Coast Guard station, the Runways 28L and 28R end, and the north bank of the Millbrae canal. The proposed Project would also replace vinyl sheetpiles along Runway 1R; cap existing concrete seawalls at various locations to provide adequate freeboard; stabilize the embankments at the end of Runways 19L and 19R and other unstable locations; install seepage cutoff walls at the end of Runways 19L and 19R; provide closures at drainage outfall pump stations along the seawall; and replace a tide gate downstream of San Bruno Creek at the north side of the Airport to provide higher outflow capacity.

The proposed Project is estimated to cost \$58 million and was included in the prior Capital Plan.

A copy of the Fiscal Feasibility Study Report ("Report") for the Airport Shoreline Protection Project is attached for information.

### **Recommendation**

Based on the above, I recommend that the Commission authorizes the Airport Director to seek a finding from the Board of Supervisors that the proposed Airport Shoreline Protection Project is fiscally feasible and responsible under San Francisco Administrative Code Chapter 29.



John L. Martin  
Airport Director

Prepared by: Geoffrey W. Neumayr  
Deputy Airport Director  
Design & Construction

Attachments