



San Francisco International Airport

September 6, 2016

Mr. Larry Mazzola
President, Airport Commission
San Francisco International Airport
P. O. Box 8097
San Francisco, CA 94128

Subject: Emergency Contract for Seawall Erosion Repair at End of Runways 19L and 19R

Dear Commissioner Mazzola:

This letter is to advise you that I am declaring an emergency due to unforeseeable and unexpected erosion damages to the seawall at the end of runways 19L and 19R and to request your approval for the San Francisco International Airport (Airport) to begin emergency work, as described in more detail below. This work will address the immediate erosion issues identified in the attached report. The preliminary estimated cost of the emergency construction work is \$1,500,000. The amount of the construction estimate necessitates approvals by the San Francisco Airport Commission (Commission) President and the San Francisco Board of Supervisors.

The emergency work is essential to addressing an imminent threat to the seawall in a critical section at the end of runways 19L and 19R. For a long-term solution, the Airport is currently pursuing the procurement of environmental permits and design services for a Shoreline Protection Project (SPP) to provide protection against a 100-year flood. The estimated cost of the SPP is \$60,000,000. However, the SPP cannot meet the schedule required for this emergency repair.

Background

The Airport is protected by a bayside seawall system from flooding by king tides, high waves, and storm surges. The section of the seawall at the end of runways 19L and 19R was last constructed in 1983 with earth fill, bedding stones, and rip rap on top of existing solid debris. The berm was lined with shotcrete in 2006 to minimize seepage.

On July 18, 2016, Airport staff observed significant erosion damages at the end of runways 19L and 19R. A geotechnical consultant has assessed the erosion and found seepage problems and a potential sinkhole. The consultant concluded that this section of the seawall needs immediate repair. If this repair is not completed before the rain season, the seawall may fail and flooding is likely to occur. These circumstances constitute an imminent threat to Airport property which may interrupt aircraft arrival and departures and impact the general public. This repair is required to prevent further erosion of the seawall system and safeguard the airfield from flooding during the upcoming storm season.

Airport staff has analyzed the circumstances and determined that the following repair work is necessary to be completed by November 30, 2016, prior to the rain season, under an emergency contract.

1. Placement of about 2,000 feet of rip rap along seawall using a barge and crane from bay side to minimize air traffic interruption.
Estimated cost: \$1,050,000
2. Asphalt pavement repair to eliminate seepage and prevent sinkholes.

AIRPORT COMMISSION CITY AND COUNTY OF SAN FRANCISCO

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PRESIDENT

LINDA S. CRAYTON
VICE PRESIDENT

ELEANOR JOHNS

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PETER A. STERN

IVAR C. SATERO
AIRPORT DIRECTOR

Estimated cost: \$150,000

3. Construction phasing/constructability/night work premium/contingency: \$300,000

The total preliminary estimate for the repair work described above is \$1,500,000.

Emergency Declaration and Required Approvals

Administrative Code Section 6.60, subdivision (b) grants the Airport Director the authority to declare an emergency with immediate notice to the Board of Supervisors, the Mayor, the Controller, and the Commission. Section 6.60, subdivision (c), defines "emergency" to include: an unforeseeable and unexpected occurrence involving a clear and imminent danger, demanding immediate action to prevent or mitigate loss of or damage to life, health, property, or essential public services. Examples include weather conditions and tidal flooding necessitating immediate emergency repair to safeguard lives or property of the City. I have determined that the erosion damages meet these requirements and, on that basis, I am declaring an emergency.

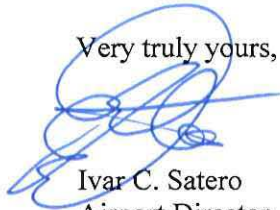
As President of the Commission, your authorization is required before the Airport may commence emergency work because the cost of the work is estimated to exceed \$250,000. Airport Staff will also prepare a proposed Resolution for the Board of Supervisors to approve this emergency declaration. The proposed Resolution will be submitted to the Board within sixty (60) days of the date of this letter in conformance with Section 6.60, subdivision (d).

The Airport Planning Division will secure the necessary regulatory permits from the US Army Corps of Engineers and San Francisco Bay Conservation and Development Commission in order to perform this emergency repair. Both permitting processes have emergency permitting procedures.

Request for Approval

I respectfully request your approval to commence the proposed emergency work described. If you should have any questions or would like to discuss this matter, please do not hesitate to call me.

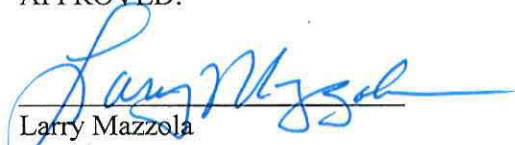
Very truly yours,



Ivar C. Satero
Airport Director

cc: Mayor Edwin M. Lee
Controller Ben Rosenfield
San Francisco Board of Supervisors
San Francisco Airport Commission

APPROVED:



Larry Mazzola
President
San Francisco Airport Commission