



San Francisco International Airport

**MEMORANDUM**

January 29, 2014

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

FROM: Airport Director

SUBJECT: Modification No. 2 to Contract No. 9230.9, Construction Management Support Services for Runway Safety Area (RSA) Program

DIRECTOR'S RECOMMENDATION: APPROVE MODIFICATION NO. 2 OF THE PROFESSIONAL SERVICES AGREEMENT, CONTRACT NO. 9230.9, CONSTRUCTION MANAGEMENT SUPPORT SERVICES FOR RSA PROGRAM WITH PARSONS BRINCKERHOFF, INCREASING THE CONTRACT AMOUNT BY \$6,000,000, FOR A NEW TOTAL CONTRACT AMOUNT OF \$9,880,000 AND EXTENDING THE CONTRACT FOR SIX MONTHS, FOR SERVICES THROUGH JULY 31, 2014.

**Executive Summary**

On August 28, 2012, by Resolution No. 12-0190, the Commission awarded the professional services agreement, Contract No. 9230.9, Construction Management Support Services for RSA Program, to Parsons Brinckerhoff (PB), and authorized \$2,600,000 for the first year of services through October 31, 2013. On October 1, 2013, by Resolution No. 13-0210, the Commission approved Modification No. 1 increasing the contract amount by \$1,280,000 for a revised total contract of \$3,880,000, and approving a time extension of six months, to April 14, 2014. Due to the uncertainty with regards to availability of Airport staff, primarily inspection and resident engineer staff, Staff elected to request only a six month extension in order to assess what resources would be required for the Phase 2 construction.

Staff has completed this assessment. This proposed Modification No. 2 will add an additional amount not to exceed \$6,000,000 for a revised total contract not to exceed \$9,880,000, and provide for six additional months of services, through to July 31, 2014.

**Background**

By December 31, 2015, the Airport is required to enhance the RSA's under Congressional mandate, the Runway Safety Act - Public Law 109-115. Complying with the Runway Safety Act means that the Airport must reconfigure all four runways by shifting each of them from between 300 and 800 feet, construct fourteen new taxiways leading to the new runway thresholds, relocate all Federal Aviation Administration (FAA) navigational landing instrument systems, and construct four engineered material arresting systems to protect passengers and aircraft in the event an aircraft overshoots a landing or aborts a take-off.

PB provides construction management support services to the Airport for the RSA Program. To date, PB has been effective in supporting Airport staff throughout the RSA Program, allowing the Airport to substantially complete Phase I of the RSA Program, including bringing Runways 10L-28R and 10R-28L into full compliance with the FAA's RSA requirements. PB's support services are needed to close out Phase I contracts and to administer Phase II construction, which is scheduled to begin in spring of 2014.

THIS PRINT COVERS CALENDAR ITEM NO. 2

AIRPORT COMMISSION CITY AND COUNTY OF SAN FRANCISCO

EDWIN M. LEE  
MAYOR

LARRY MAZZOLA  
PRESIDENT

LINDA S. CRAYTON  
VICE PRESIDENT

ELEANOR JOHNS

RICHARD J. GUGGENHIME

PETER A. STERN

JOHN L. MARTIN  
AIRPORT DIRECTOR

Phase II construction will be complex and on an extremely short schedule, due to the fact that construction requires the closure of two of the runways, 1L-19R and 1R-19L. The increased technical expertise and support from PB is needed to continue the construction management support services to the levels required by the FAA, including project scheduling, materials testing, inspection, documentation, change management, budgeting, controls, and reporting for the RSA Program.

The additional \$6,000,000 funding provided by this modification will allow for two primary tasks:

- 1) Departure Metering System (DMS) - During the Phase II RSA construction period two runways, 1L-19R and 1R-19L will be closed. Staff, with airlines concurrence, has determined that a DMS would help alleviate congestion and make the most efficient use of the two operational runways and minimize the operational impact. PB will competitively bid and select a DMS vendor. The estimate for the DMS system is \$2M.
- 2) Additional CM Staffing - The FAA Airport Improvement Program (AIP) funding stipulates a very elevated level of documentation for the RSA Program that the Airport does not currently have the staffing nor experiences to manage. In addition to this, the upcoming Phase II project will require 24/7 construction operations, necessitating around-the-clock construction management support services and oversight of construction activities. Due to other Airport construction project demands, the available support of the RSA Program by Airport construction inspection and resident engineer staff is less than originally anticipated, thus requiring additional inspection staff from PB. This added cost will be partially offset by the diminished use of Airport staff. The estimate for the additional staffing is \$4M.

With this additional scope, the forecast at completion of this contract is \$12.7M. As a result, this contract will require Board of Supervisors approval, since it is exceeding \$10M, in accordance with San Francisco Charter Section 9.118. Staff is presenting this Modification No. 2 at this time in order to ensure the timely installation of the DMS, prior to the start of construction requiring the runway closures in May.

PB originally committed to 20% DBE subcontractor participation. To date, PB has achieved 25% DBE subcontractor participation, against the "good faith efforts" goal of 10%.

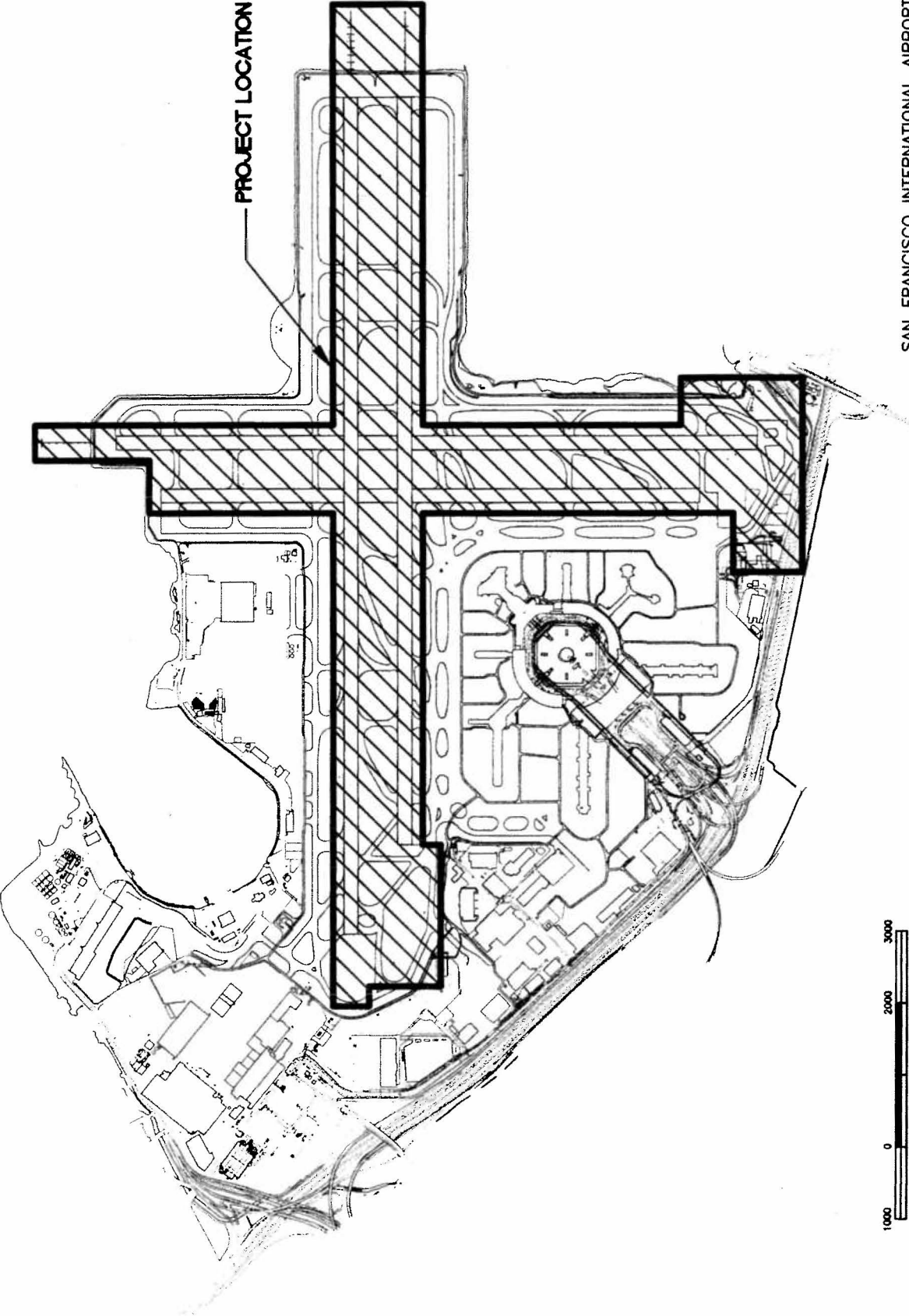
### **Recommendation**

Based on the above, I recommend that the Commission approve this proposed Modification No. 2 to Contract No. 9230.9, Construction Management Support Services for the RSA Program, with Parsons Brinckerhoff for an increase of \$6,000,000 for a new total contract amount of \$9,880,000, and a renewal for six months of services through July 31, 2014.



John L. Martin  
Airport Director

Prepared by: Ivar Satero  
Deputy Airport Director  
Design, Construction, & Technology



SAN FRANCISCO INTERNATIONAL AIRPORT  
 CITY & COUNTY OF SAN FRANCISCO  
 AIRPORT COMMISSION  
 John L. Martin - Airport Director



GRAPHICAL SCALE (FEET)

Prepared by: Design and Construction Division  
 Ivar Saltero - Deputy Airport Director  
 August 2012

AIRPORT COMMISSION

CITY AND COUNTY OF SAN FRANCISCO

RESOLUTION NO. 14 0012

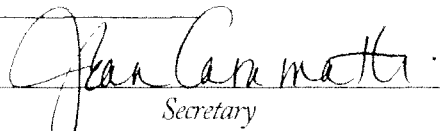
**APPROVE MODIFICATION NO. 2 OF THE PROFESSIONAL SERVICES AGREEMENT, CONTRACT NO. 9230.9, CONSTRUCTION MANAGEMENT SUPPORT SERVICES FOR RSA, WITH PARSONS BRINCKERHOFF (PB), INCREASING THE AMOUNT BY \$6,000,000, FOR A NEW TOTAL CONTRACT AMOUNT OF \$9,880,000 AND APPROVING A 6 MONTH TIME EXTENSION FOR SERVICES THROUGH JULY 31, 2014**

- WHEREAS, by Resolution No. 12-0190, dated August 28, 2012, the Airport Commission awarded the first year of a four year professional services agreement, Contract No. 9230.9 to PB, authorizing \$2,600,000 for the first year of services through October 31, 2013; and
- WHEREAS, by Resolution No. 13-0210, the Commission also approved Modification No 1, renewing the Contract for six months and authorizing an additional \$1,280,000 for services through April 30, 2014 for a total current contract amount of \$3,880,000; and
- WHEREAS, the original estimate for the full four years of services was \$6,300,000, however additional services are required as a result of Airport construction inspection and resident engineer staff who have been unable to support the Program to the anticipated level due to increased workload from other Capital Improvement Program projects; and, as a result of the complicated upcoming Phase II RSA construction which require closure to two runways, 1L-19R and 1R-19L, and 24/7 construction activities; and to ensure that all FAA AIP documentation and reporting requirements are met; and
- WHEREAS, Staff has determined that a Departure Metering System (DMS) is necessary to facilitate the most efficient use of the two open runways during the closure period, which will help minimize the overall operational impact to the Airport and airlines, and which will be competitively bid by PB; and
- WHEREAS, this Modification No. 2 provides for a six-month renewal and an increase of \$6,000,000 for obtaining a DMS, as well as continued construction oversight services for Phase II construction of the RSA Program implementation; and
- WHEREAS, PB has provided the original services to the satisfaction of the Commission; and
- WHEREAS, Staff and PB have reached an agreement on staffing and fee for the additional services, resulting in the proposed increase for a total revised contract amount of \$9,880,000 and with a six month renewal for services through July 31, 2014; and
- WHEREAS, Staff is forecasting a cost at completion of \$12.8M, which with this next modification will require that the Airport obtain Board of Supervisors approval, in accordance with San Francisco Charter Section 9.118; now, therefore be it
- RESOLVED, that this Commission hereby approves Modification No. 2 to Contract No. 9230.9, Construction Management Support Services for RSA with Parsons Brinckerhoff for an increase of \$6,000,000 for a new total contract amount of \$9,880,000, and with a renewal of the Contract for six months for services through July 31, 30, 2014.

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

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

**JAN 29 2014**

  
Secretary