



# CITY OF LONG BEACH

## DEPARTMENT OF PUBLIC WORKS

# C-10

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May 11, 2004

HONORABLE MAYOR AND CITY COUNCIL  
City of Long Beach  
California

**SUBJECT:** Authorization to Enter Into a Memorandum of Agreement With the Federal Aviation Administration (FAA) for Operational Evaluation and Testing of a Final Approach Runway Occupancy Signal at the Long Beach Airport (District 5)

### DISCUSSION

Long Beach Airport serves as a test facility for a variety of FAA runway safety technologies. With its mix of aircraft types and complex airport configuration, the Airport provides a unique environment for assessing the effectiveness of runway safety technologies. One of these technologies is the Final Approach Runway Occupancy Signal (FAROS). The FAROS system utilizes the Precision Approach Path Indicator (PAPI) lights to provide additional information regarding the runway occupancy status to the pilot preparing to land. The runway approach guidance information provided by the PAPI lights remains available to the pilot, providing appropriate glide path information. Flashing the lights as a unit when an aircraft is on the runway provides the occupancy status of the runway.

During the past two years, Long Beach has been the test bed for evaluating FAROS technology. Beginning this fall, the FAA plans to conduct a six-month operational evaluation of the FAROS system at the Long Beach Airport. Successful completion of the evaluation will lead to certification of FAROS technology and installation of FAROS systems at airports across the country. Use of this technology to enhance airport safety is supported by airport users, national aviation safety organizations including the Aircraft Owners' and Pilots' Association Air Safety Foundation and the Air Line Pilots Association.

Execution of the attached Memorandum of Agreement (MOA) is required to coordinate City and FAA activities related to the FAROS operational evaluation. All construction and program costs associated with the evaluation will be paid by the FAA.

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This matter was reviewed by Deputy City Attorney Everett Glenn and Budget Manager Michael Killebrew on April 21, 2004.

TIMING CONSIDERATIONS

City Council action on May 11, 2004 is requested to meet the FAA's request for timely execution of the Memorandum of Agreement. Construction on the project is expected to begin in June 2004, with the operational evaluation beginning this fall.

FISCAL IMPACT

Construction associated with this project is completely funded by the FAA. No direct City costs are anticipated, other than limited staff support associated with construction plan reviews and some operational support during the evaluation. No appropriations are required.

IT IS RECOMMENDED THAT THE CITY COUNCIL:

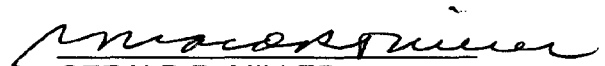
Authorize the City Manager to execute the Memorandum of Agreement with the Federal Aviation Administration for Operational Evaluation Testing of a Final Approach Runway Occupancy Signal at the Long Beach Airport.

Respectfully submitted,



CHRISTINE F. ANDERSEN  
DIRECTOR OF PUBLIC WORKS

APPROVED:



GERALD R. MILLER  
CITY MANAGER

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FAROS MOA