



U. S. Department of Transportation  
Federal Aviation Administration

# GRANT AGREEMENT

## 32737

Date of Offer: March 11, 2011  
Project Number: AIP 3-06-0127-036-2011

Recipient: City of Long Beach (Herein called "Sponsor")  
Airport: Long Beach Airport

### OFFER

THE FEDERAL AVIATION ADMINISTRATION, FOR AND ON BEHALF OF THE UNITED STATES, HEREBY OFFERS AND AGREES to pay, as the United States' share, ninety five percent (95%) of the allowable costs incurred in accomplishing the project consisting of the following:


- "Rehabilitate Air Carrier Ramp Apron, Ph 3 - Phase I, including drainage, marking and electrical improvements";
- "Rehabilitate Access Pavements to Taxiway E & F - Phase I, including taxiway shoulders, perimeter roads, storm drainage, marking, lighting and signage".

as more particularly described in the Project Application dated February 22, 2011.

The maximum obligation of the United States payable under this Offer shall be \$2,045,569 for airport development, \$0 for noise program implementation, \$0 for land, and \$0 for planning.

This offer is made in accordance with and for the purpose of carrying out the provisions of Title 49, United States Code, herein called Title 49 U.S.C. Acceptance and execution of this offer shall comprise a Grant Agreement, as provided by Title 49 U.S.C., constituting the contractual obligations and rights of the United States and the Sponsor.

UNITED STATES OF AMERICA  
FEDERAL AVIATION ADMINISTRATION

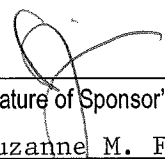
  
Ruben Cabalbag  
Assistant Manager, Los Angeles Airports District Office

### ACCEPTANCE

The Sponsor agrees to accomplish the project in compliance with the terms and conditions contained herein, in the Project Application, and in the January 2007 "Terms and Conditions of Accepting Airport Improvement Program Grants" signed on April 17, 2008.

Assistant City Manager

Executed this 15 day of March, 2011

  
Signature of Sponsor's Designated Official Representative  
Suzanne M. Frick, Assistant City Manager  
Typed Name and Title of Sponsor's Designated Official Representative


EXECUTED PURSUANT  
TO SECTION 301 OF  
THE CITY CHARTER.

Attest

(Seal)

### CERTIFICATE OF SPONSOR'S ATTORNEY

I, Richard F. Anthony, acting as Attorney for the Sponsor do hereby certify: That in my opinion the Sponsor is empowered to enter into the foregoing Grant Agreement under the laws of the State of California. Further, I have examined the foregoing Grant Agreement, and the actions taken by said Sponsor relating thereto, and find that the acceptance thereof by said Sponsor's official representative has been duly authorized and that the execution thereof is in all respects due and proper and in accordance with the laws of the said State and Title 49 U.S.C. In addition, for grants involving projects to be carried out on property not owned by the Sponsor, there are no legal impediments that will prevent full performance by the Sponsor. Further, it is my opinion that the said Grant Agreement constitutes a legal and binding obligation of the Sponsor in accordance with the terms thereof.

  
Signature of Sponsor's Attorney

Executed this 16th day of March, 2011

**ATTACHMENT A: SPECIAL CONDITIONS**

1. This offer shall expire and the United States shall not be obligated to pay any part of the costs of the project unless this offer has been accepted by the sponsor on or before **March 17, 2011** or such subsequent date as may be prescribed in writing by the FAA.
2. This Phase I grant is intended to be the first phase of a two-phase project. The bidding of the entire project will be completed with sufficient time to properly apply for a Phase II grant prior to August 15, 2011. The Phase II grant funding will be the difference in funding necessary for Federal share of the entire project less the Phase I funding, subject to available Sponsor entitlements and/or the announcement of discretionary funds. The FAA makes no commitment of funding beyond the Sponsor's available entitlement pursuant to law. If the project does not receive acceptable bids, or sufficient funding is unavailable, the FAA has the option to close this grant and recover the funds.
3. Construction Management Program: The Sponsor agrees to perform the following:
  - a. Furnish a construction management program to FAA prior to the start of construction which shall detail the measures and procedures to be used to comply with the quality control provisions of the construction contract, including, but not limited to, all quality control provisions and tests required by the Federal specifications. The program shall include as a minimum:
    - (1) The name of the person representing the sponsor who has overall responsibility for contract administration for the project and the authority to take necessary actions to comply with the contract.
    - (2) Names of testing laboratories and consulting engineer firms with quality control responsibilities on the project, together with a description of the services to be provided.
    - (3) Procedures for determining that testing laboratories meet the requirements of the American Society of Testing and Materials standards on laboratory evaluation, referenced in the contract specifications (D 3666, C 1077).
    - (4) Qualifications of engineering supervision and construction inspection personnel.
    - (5) A listing of all tests required by the contract specifications, including the type and frequency of tests to be taken, the method of sampling, the applicable test standard, and the acceptance criteria or tolerances permitted for each type of test.
    - (6) Procedures for ensuring that the tests are taken in accordance with the program, that they are documented daily, that the proper corrective actions, where necessary, are undertaken.
  - b. Submit at completion of the project, a final test and quality control report documenting the results of all tests performed, highlighting those tests that failed or did not meet the applicable test standard. The report shall include the pay reductions applied and reasons for accepting any out-of-tolerance material. An interim test and quality control report shall be submitted, if requested by the FAA.
  - c. Failure to provide a complete report as described in paragraph 2, or failure to perform such tests, shall, absent of any compelling justification, result in a reduction in Federal participation for costs incurred in connection with construction of the applicable pavement. Such reduction shall be at the discretion of the FAA and will be based on the type or types of required tests not performed or not documented and will be commensurate with the proportion of applicable pavement with respect to the total pavement constructed under the grant agreement.
  - d. The FAA, at its discretion, reserves the right to conduct independent tests and to reduce grant payments accordingly if such independent tests determine that sponsor tests results are inaccurate.
4. Pavement Maintenance Management Program: For a project to replace or reconstruct pavement at the airport, the sponsor shall implement an effective pavement maintenance management program as is required by Airport Sponsor Assurance Number C-11. The sponsor shall use such program for the useful life of any pavement constructed, reconstructed, or repaired with Federal financial assistance at the airport. As a minimum, the program must conform to the provisions outlined below:

"Pavement Maintenance Management Program"

An effective pavement maintenance management program is one that details the procedures to be followed to assure that proper pavement maintenance, both preventative and repair, is performed. An airport sponsor may use any form of inspection program it deems appropriate. The program must, as a minimum, include the following:

- a. Pavement Inventory. The following must be depicted in an appropriate form and level of detail:
  - (1) Location of all runways, taxiways, and aprons
  - (2) Type of pavement
  - (3) Dimensions
  - (4) Year of construction or most recent major rehabilitation

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For compliance with the Airport Improvement Program (AIP) assurances, pavements that have been constructed, reconstructed, or repaired with Federal financial assistance shall be so depicted.

b. Inspection Schedule.

- (1) Detailed Inspection. A detailed inspection must be performed at least once a year. If a history of recorded pavement deterioration is available, i.e. Pavement Condition Index (PCI) survey as set forth in Advisory Circular 150/5380-6, Guidelines and Procedures for Maintenance of Airport Pavements, the frequency of inspections may be extended to three (3) years.
- (2) Drive-By Inspection. A drive-by inspection must be performed a minimum of once per month to detect unexpected changes in the pavement condition.

c. Record Keeping. Complete information on the findings of all detailed inspections and on the maintenance performed must be recorded and kept on file for a minimum of five years. The types of distress, their locations, and remedial action, scheduled or performed, must be documented. The minimum information to be recorded is listed below:

- (1) inspection date,
- (2) location,
- (3) distress types,
- (4) maintenance scheduled or performed.

For drive-by inspections, the date of inspection and any maintenance performed must be recorded.

d. Information Retrieval. An airport sponsor may use any form of record keeping it deems appropriate, so long as the information and records produced by the pavement survey can be retrieved to provide a report to the FAA as may be required.

e. Reference. Refer to Advisory Circular 150/5380-6, "Guidelines and Procedures for Maintenance of Airport Pavements," for specific guidelines and procedures for maintaining airport pavements and establishing an effective maintenance program. Specific types of distress, their probable causes, inspection guidelines, and recommended methods of repair are presented.

5. TRAFFICKING IN PERSONS:

a. Provisions applicable to a recipient that is a private entity.

1. You as the recipient, your employees, subrecipients under this award, and subrecipients' employees may not--

- i. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;
- ii. Procure a commercial sex act during the period of time that the award is in effect; or
- iii. Use forced labor in the performance of the award or subawards under the award.

2. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private-entity--

- i. Is determined to have violated a prohibition in paragraph a.1 of this award term; or
- ii. Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph a.1 of this award term through conduct that is either--
  - A. Associated with performance under this award; or
  - B. Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," as implemented by our agency at 49 CFR Part 29.

b. Provision applicable to a recipient other than a private entity. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity--

1. Is determined to have violated an applicable prohibition in paragraph a.1 of this award term; or
2. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph a.1 of this award term through conduct that is either--
  - i. Associated with performance under this award; or
  - ii. Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR Part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," as implemented by our agency at 49 CFR Part 29.

**c. Provisions applicable to any recipient.**

1. You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph a.1 of this award term.
2. Our right to terminate unilaterally that is described in paragraph a.2 or b of this section.
  - i. Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), and
  - ii. Is in addition to all other remedies for noncompliance that are available to us under this award.
3. You must include the requirements of paragraph a.1 of this award term in any subaward you make to a private entity.

**d. Definitions.** For purposes of this award term:

1. "Employee" means either:
  - i. An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or
  - ii. Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.
2. "Forced labor" means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.
3. "Private entity":
  - i. Means any entity other than a State, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 CFR 175.25.
  - ii. Includes:
    - A. A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 CFR 175.25(b).
    - B. A for-profit organization.
4. "Severe forms of trafficking in persons," "commercial sex act," and "coercion" have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. 7102).

6. The attached updated listing of Current FAA Advisory Circulars required for AIP projects, dated 6/2/2010, replaces the ones included in the January 2007 "Terms and Conditions of Accepting Airport Improvement Program Grants" signed on April 17, 2008.

**CURRENT FAA ADVISORY CIRCULARS REQUIRED FOR USE IN AIP  
FUNDED AND PFC APPROVED PROJECTS**

**Dated: 6/2/2010**

View the most current versions of these ACs and any associated changes at:  
[http://www.faa.gov/airports\\_airtraffic/airports/resources/advisory\\_circulars](http://www.faa.gov/airports_airtraffic/airports/resources/advisory_circulars)

<b>NUMBER</b>	<b>TITLE</b>
70/7460-1K	Obstruction Marking and Lighting
150/5000-13A	Announcement of Availability—RTCA Inc., Document RTCA-221, Guidance and Recommended Requirements for Airports Surface Movement Sensors
150/5020-1	Noise Control and Compatibility Planning for Airports
150/5070-6B Change 1	Airport Master Plans
150/5070-7	The Airport System Planning Process
150/5200-28D	Notices to Airmen (NOTAMS) for Airport Operators
150/5200-30C	Airport Winter Safety and Operations
150/5200-33B	Hazardous Wildlife Attractants On or Near Airports
150/5210-5D	Painting, Marking and Lighting of Vehicles Used on an Airport
150/5210-7D	Aircraft Fire and Rescue Communications
150/5210-13B	Water Rescue Plans, Facilities, and Equipment
150/5210-14B	Aircraft Rescue Fire Fighting Equipment, Tools, and Clothing
150/5210-15A	Airport Rescue & Firefighting Station Building Design
150/5210-18A	Systems for Interactive Training of Airport Personnel
150/5210-19A	Driver's Enhanced Vision System (DEVS)
150/5220-4B	Water Supply Systems for Aircraft Fire and Rescue Protection
150/5220-13B	Runway Surface Condition Sensor Specification Guide
150/5220-16C	Automated Weather Observing Systems for Non-Federal Applications

FAA Advisory Circulars Required for Use in AIP Funded and PFC Approved Projects  
 June 2, 2010

NUMBER	TITLE
150/5220-17A and Change 1	Design Standards for an Aircraft Rescue Firefighting Training Facility
150/5220-18A	Buildings for Storage and Maintenance of Airport Snow and Ice Control Equipment and Materials
150/5220-20 and Change 1	Airport Snow and Ice Control Equipment
150/5220-21B	Guide Specification for Lifts Used to Board Airline Passengers With Mobility Impairments
150/5220-22A	Engineered Materials Arresting System (EMAS) for Aircraft Overruns
150/5220-23	Frangible Connections
150/5220-24	Foreign Object Debris Detection Equipment
150/5300-13 and Changes 1 –15	Airport Design
150/5300-14B	Design of Aircraft Deicing Facilities
150/5300-16A	General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey
150/5300-17B	General Guidance and Specifications for Aeronautical Survey Airport Imagery Acquisition
150/5300-18B	General Guidance and Specifications for Submission of Aeronautical Surveys to NGS: Field Data Collection and Geographic Information System (GIS) Standards
150/5320-5C and Change 1	Surface Drainage Design
150/5320-6E	Airport Pavement Design and Evaluation
150/5320-12C and Changes 1 through 8	Measurement, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces
150/5320-14	Airport Landscaping for Noise Control Purposes

FAA Advisory Circulars Required for Use in AIP Funded and PFC Approved Projects  
June 2, 2010

NUMBER	TITLE
150/5320-15A	Management of Airport Industrial Waste
150/5325-4B	Runway Length Requirements for Airport Design
150/5335-5A	Standardized Method of Reporting Airport Pavement Strength PCN
150/5340-1J and Change 2	Standards for Airport Markings (Change 1&2)
150/5340-5C	Segmented Circle Airport Marker System
150/5340-18E	Standards for Airport Sign Systems
150/5340-30D	Design and Installation Details for Airport Visual Aids
150/5345-3F	Specification for L821 Panels for the Control of Airport Lighting
150/5345-5B	Circuit Selector Switch
150/5345-7E	Specification for L824 Underground Electrical Cable for Airport Lighting Circuits
150/5345-10F	Specification for Constant Current Regulators Regulator Monitors
150/5345-12E	Specification for Airport and Heliport Beacon
150/5345-13B	Specification for L841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits
150/5345-26D	Specification for L823 Plug and Receptacle, Cable Connectors
150/5345-27D	Specification for Wind Cone Assemblies
150/5345-28F	Precision Approach Path Indicator (PAPI) Systems
150/5345-39C	FAA Specification L853, Runway and Taxiway Retroreflective Markers
150/5345-42F	Specification for Airport Light Bases, Transformer Housings, Junction Boxes and Accessories
150/5345-43F	Specification for Obstruction Lighting Equipment
150/5345-44H	Specification for Taxiway and Runway Signs
150/5345-45C	Low-Impact Resistant (LIR) Structures

FAA Advisory Circulars Required for Use in AIP Funded and PFC Approved Projects  
June 2, 2010

NUMBER	TITLE
150/5345-46D	Specification for Runway and Taxiway Light Fixtures
150/5345-47B	Specifications for Series to Series Isolation Transformers for Airport Lighting System
150/5345-49C	Specification L854, Radio Control Equipment
150/5345-50B	Specification for Portable Runway and Taxiway Lights
150/5345-51A	Specification for Discharge-Type Flasher Equipment
150/5345-52A	Generic Visual Glideslope Indicators (GVGI)
150/5345-53C	Airport Lighting Equipment Certification Program
150/5345-54B	Specification for L-1884, Power and Control Unit for Land and Hold Short
150/5345-55A	Specification for L893, Lighted Visual Aid to Indicate Temporary Runway Closure
150/5345-56A	Specification for L-890 Airport Lighting Control and Monitoring System (ALCMS)
150/5360-9	Planning and Design of Airport Terminal Facilities at NonHub Locations
150/5360-12E	Airport Signing and Graphics
150/5360-13 and Change 1	Planning and Design Guidance for Airport Terminal Facilities
150/5370-2E	Operational Safety on Airports During Construction
150/5370-10E	Standards for Specifying Construction of Airports
150/5370-11A	Use of Nondestructive Testing Devices in the Evaluation of Airport Pavement
150/5380-6B	Guidelines and Procedures for Maintenance of Airport Pavements
150/5390-2B	Heliport Design
150/5390-3	Vertiport Design
150/5395-1	Seaplane Bases



**THE FOLLOWING ADDITIONAL APPLY TO AIP PROJECTS ONLY  
 DATED: 6/2/2010**

<b>NUMBER</b>	<b>TITLE</b>
150/5100-14D	Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects
150/5100-15A	Civil Rights Requirements for the Airport Improvement Program
150/5100-17 and Changes 1 through 6	Land Acquisition and Relocation Assistance for Airport Improvement Program Assisted Projects
150/5200-37	Introduction to Safety Management Systems (SMS) for Airport Operators
150/5300-15A	Use of Value Engineering for Engineering Design of Airports Grant Projects
150/5320-17	Airfield Pavement Surface Evaluation and Rating (PASER) Manuals
150/5370-6D Change 1-4	Construction Progress and Inspection Report – Airport Grant Program
150/5370-12A	Quality Control of Construction for Airport Grant Projects
150/5370-13A	Offpeak Construction of Airport Pavements Using Hot-Mix Asphalt
150/5380-7A	Airport Pavement Management Program
150/5380-8A	Handbook for Identification of Alkali-Silica Reactivity in Airfield Pavements

**THE FOLLOWING ADDITIONAL APPLY TO PFC PROJECTS ONLY  
 DATED: 6/2/2010**

<b>NUMBER</b>	<b>TITLE</b>
150/5000-12	Announcement of Availability – Passenger Facility Charge (PFC) Application (FAA Form 5500-1)