

**Investment Description**  
**Raleigh-Durham International Airport**  
**FAA AIP 3-37-0056-TBD**  
**American Recovery and Reinvestment Act of 2009**  
**RDU Project No. 080559**

**Project Description: Rehabilitate West Airfield Lighting, Including Vault 2**

**Airfield Circuits and Lighting**

The scope of work consists of the replacement of old wiring fed from Electrical Vault 2 with new wiring. This encompasses the west side of the airfield with some overlap of the east side. Old direct buried wiring will be replaced with new wiring in new conduit. The new conduit runs will be collected in new pull can plazas, replacing existing manholes where practicable.

The scope of work also includes the replacement of old regulators and controls in Electrical Vault 2 to increase reliability and decrease energy consumption. The equipment will match that in Vault 1, Siemens' integrated switch gear, monitoring, and control system.

Where they were not replaced in previous projects, old quartz taxiway edge lights and centerline lights will be replaced by new Light Emitting Diode fixtures (LED's).

Quartz Touchdown Zone Lights (TDZ's) will be replaced on Runways 23L, 5L, and 23R with LED fixtures, as well as the quartz fixtures on the centerlines of Runways 5R-23L and 5L-23R.

The project includes the replacement of Runway 23L VASI's and Runway 32 PAPI's with new PAPI's.

The project includes replacement of Runway 5L-23R guard lights with LED fixtures.

**Pavement Condition and Weather Monitoring**

The airport SCAN system monitors and reports airfield pavement surface conditions, which assists in determining the amount and timing of de-icing agents to apply to the pavement in winter weather events.

This project expands and completes the airport SCAN system by installing pavement sensors on Runway 5L-23R, on west side taxiways, and on two cross-field taxiways not currently covered. One additional centrally-located weather station is included which will accommodate this need, with one subsurface probe.

**Airfield Signage**

This project includes, as funds allow, replacement of all non-LED signs on the airfield with new LED lighted signs of one manufacturer.

**Work Item Cost Breakdown:**

Estimated Construction Costs	\$8,663,170
Funds from the American Recovery and Reinvestment Program (ARRA)	\$4,500,000

**Attachment 1**  
**Airport Sponsor Certifications**

The Sponsor hereby certifies to the following:

1. The funding request contained in this grant application is based upon competitive bids that were received on May 12, 2009, and the associated bid tabulation is hereby attached to this certification.
2. The Sponsor hereby acknowledges FAA's need to approve and issue, as appropriate, any waiver to the Buy American Preference Requirement (BAPR) (49 USC 50101). Additionally, the Sponsor understands that any waiver request issued to the BAPR under the American Recovery and Reinvestment Act of 2009 requires specific information related to the waiver request, if granted, to be published in a Federal Register Notice. Accordingly, so as to not delay the processing of the subsequent Grant Offer and resulting contract documents between the Sponsor and the lowest responsible bidder, attached hereto are all Request for Waiver to the BAPR necessary to complete this project. **(No waivers required for this project.)**
3. The Sponsor further certifies that it will issue a Notice to Proceed to the contractor (or equipment supplier in the case of equipment acquisition) within 30 days of acceptance of a Grant Offer.
4. Pursuant to Title XV, Subtitle A, section 1511 of the American Recovery and Reinvestment Act (Pub. L. 111-5 (Feb. 17, 2009) ("ARRA")), I Robert D. Teer, Jr.\*, hereby certify that the infrastructure investment funded by ARRA has received the full review and vetting required by law and that I accept responsibility that such investment is an appropriate use of taxpayer dollars. I further certify that the specific information required by section 1511 concerning each such investment (a description of the investment, the estimated total cost, and the amount of ARRA funds to used) is enclosed or is provided on the Raleigh-Durham International Airport website, available to the public at www.rdu.com and linked to Recovery.gov.

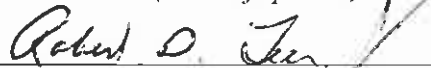
I understand that the Sponsor making application for ARRA funding may not receive ARRA infrastructure investment funding unless this certification is made and posted.

*\* In accordance with section 1511 of ARRA, the Certifying Official may be either the Governor, mayor, or other chief executive, as appropriate.*

(SEAL)

**RALEIGH-DURHAM AIRPORT AUTHORITY**

*(Name of Sponsor)*



*(Signature of Sponsor's Designated Official Representative -  
Must be Governor, Mayor or Chief Executive)*

**By: Robert D. Teer, Jr.**

*(Typed Name of Sponsor's Designated Official  
Representative)*

**Title: Chairman**

*(Typed Title of Sponsor's Designated Official Representative)*

Attest:

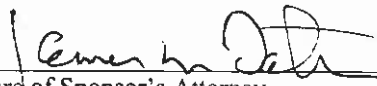


**CERTIFICATE OF SPONSOR'S ATTORNEY**

I James M. Tatum, acting as Attorney for the Sponsor do hereby certify:

That in my opinion the Sponsor is empowered to certify to the above representations under the laws of the State of North Carolina. Further, I have examined representations and documentation as attached and 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.

Dated at this 21 day of May 2009.

By:   
(Signature of Sponsor's Attorney)