

ADDENDUM NO. 1

TO

THE CONTRACT DOCUMENTS FOR

HERNANDO COUNTY AIRPORT RUNWAYS 3/21 & 9/27 PAVEMENT REHABILITATION PROJECT

IN

HERNANDO COUNTY, FLORIDA

REQUEST FOR PROPOSAL (RFP) NO. 10-0089

BID DATE AUGUST 18, 2010 @ 3:00 P.M.

NOTICE

OFFERORS ARE REQUIRED TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNATURE AT THE BOTTOM OF THIS ADDENDUM IN THE SPACES PROVIDED AND RETURNED AT THE TIME OF THE PROPOSAL DATE.

TO ALL OFFERORS:

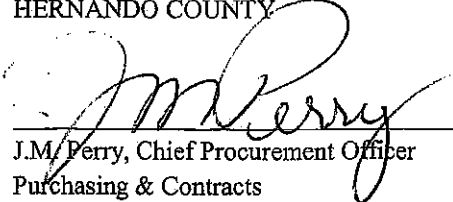
The following changes, additions and/or deletions are hereby made a part of the Contract Documents for: **THE RUNWAYS 3/21 & 9/27 PAVEMENT REHABILITATION PROJECT** located in Hernando County, as fully and completely as if the same were fully set forth therein:

1. ADDITIONS

RUNWAY CLOSURE NOTES:

1. The contractor shall supply and place Lighted Runway Closure Markers (LRCM) in accordance with ITEM L-111 Lighted Portable Runway Closure Markers (ATTACHED) at each end of runway 3/21 or 9/27 prior to beginning work.
2. Coordinate with Airport Operations at least 48 hours prior to placing LRCM's
3. LRCM's are to remain in place for duration of the project.
4. The contractor shall be responsible for supplying fuel and oil for the LRCMs and for replacing lights. The contractor shall also be responsible for maintaining the LRCM's per the manufacturer's recommended routine maintenance schedule.
5. LRCM's shall only be placed or removed when directed by the Airport.
6. Upon completion of construction, the LRCM's shall become the property of the Airport. Any damage to LRCM's shall be repaired to the satisfaction of the airport.
7. The contractor shall report any fuel spilled on airfield pavements to the engineer immediately, regardless of spill size. Upon inspection by the engineer, any damaged pavements will be repaired as directed at contractor's expense.

BOARD OF COUNTY COMMISSIONERS
HERNANDO COUNTY



J.M. Perry, Chief Procurement Officer
Purchasing & Contracts

Acknowledged

ITEM L-111

LIGHTED PORTABLE RUNWAY CLOSURE MARKER

DESCRIPTION

111-1.1 GENERAL. This item shall consist of a lighted portable runway closure marker (RCM) and installed in accordance with this specification, any referenced specifications, and the applicable Federal Aviation Administration and Department of Transportation. The systems shall be installed at the location and in accordance with the layout, design and details shown in the plans. This item shall include furnishing and installing all incidentals and appurtenances necessary to place the systems in operation as completed units to the satisfaction of the Engineer.

111-1.2 REFERENCED MATERIALS. Additional details pertaining to specific systems covered in this section are contained in the Federal Aviation Administration (FAA) listed below:

FAA TECHNICAL REPORT #DOT/FAA/CT-TN87/3

150/5200-18B	Airport Safety Self-Inspection
150/5340-1G	Standards for Airport Markings
150/5340-2I	Airport Miscellaneous Lighting Visual Aids
150/5370-2D	Operational Safety on Airports During Construction
150/5370-10A	Standards for Specifying Construction of Airports Chgs. 1 thru 8

111-1.3 SUBMITTALS. Shop drawings of the RCM, indicating FAA approval, shall be submitted to the Engineer for review and approval and be approved prior to ordering any materials for this item. This submittal shall include the proposed method of installation for the RCM. The submittal shall include data on all component parts of the item or system, and shall include the manufacturers list of recommended spare parts for one years use. The data submitted shall be sufficient, in the opinion of the Engineer, to determine compliance with the contract documents. The Contractor's submittals shall be in accordance with Item L-106.

111-1.4 QUALIFICATIONS. The Engineer reserves the right to reject any and all equipment, materials or procedures which, in the Engineer's opinion, does not meet the system design and the standards and codes specified herein.

111-1.5 SPARE PARTS. The Manufacturer/Contractor by submitting a bid assures the Owner that it will sell to the Owner or any of the Owner's designated representatives any and all parts for materials furnished under this contract at the lowest price the Contractor's or its Subcontractors, or Suppliers furnish them to any second party. This pricing requirement shall apply for five (5) years from the date of substantial completion of the contract. In furnishing parts at this price the Contractor shall provide the parts within one (1) week of an approved purchase agreement. The Owner shall have the right to verify that the prices the Owner pays for the parts are the lowest and if they are determined not to be, then the Owner shall receive a payment from the Manufacturer/Contractor in the amount of one and one-half (1.5) times the difference. This Contractor is responsible to coordinate and obtain this agreement, in writing, from the manufacturer.

MATERIALS

111-2.1 GENERAL.

- a. Airport lighting equipment and materials covered by FAA specifications shall have prior approval

of the Federal Aviation Administration, Airports Service, Washington, D.C. 20591. All items that are FAA/Engineering Test Laboratories approved at the time of bidding, which otherwise meet the project specifications are acceptable.

b. All other equipment and materials covered by other referenced specifications shall be subject to acceptance through the manufacturer's certification of compliance with the applicable specifications. The Contractor shall submit the manufacturer's certificates of compliance with the applicable specifications to the Engineer for approval before the equipment and material are ordered.

c. Manufacturer's certifications shall not relieve the Contractor of his responsibility to provide materials in accordance with these specifications and acceptable to the Engineer. Materials supplied and/or installed that do not materially comply with these specifications shall be removed, when directed by the Engineer and replaced with materials which do comply with these specifications, at the sole cost of the Contractor.

111-2.2 GUARANTEES.

a. Except as modified below, all equipment and materials furnished and installed under this section shall be guaranteed against defects in materials and workmanship for a period of twenty four (24) months or the manufacturer's standard guarantee period which ever is greater, from final acceptance by the Owner. The defective materials and/or equipment shall be replaced with no additional cost to the Owner.

b. The lamp life, as rated by the manufacturer (not the supplier), shall be warranted for the specified number of hours. Should ten percent (10%) of the lamps, in addition to the 50% of lamps expected to fail, fail prior to the rated life of the lamp, then the entire system using the failing lamp type shall be relamped, at the Contractor's expense, and the warranty time shall start over. At the Owner's option, with written permission of the Engineer, the Contractor may elect to supply 100% spare lamps at the time of Owner's acceptance of the lighting system.

c. The lamp prices shall be furnished to the Owner in the bid and the prices shall be guaranteed for a period of five (5) years.

111-2.3 LRCM.

a. The PORTABLE LIGHTED RUNWAY CLOSURE MARKER (LRCM) must be designed to form a lighted X which contains twenty-one (21) 90 watt par 38. 10 degree weather proof outdoor standard base clear halogen spot bulbs with one (1) bulb located in the center and five (5) bulbs located in each of the four (4) legs. All X panel bulbs, light sockets, wiring and connection must be enclosed in a weather resistant housing.

b. The lighted X formed when opened and operating will be 20' 6" each continuous leg and 14' 6" on the peripheral.

c. The LRCM must collapse for transport and storage so that all parts are inside the trailer frame dimensions to prevent damage.

d. Illumination of the RCM will be workable in a continuous or flashing mode. This must be controlled by a SOLID STATE FLASHER. MECHANICAL FLASHERS ARE NOT ACCEPTABLE.

e. A photo cell must be used to reduce the voltage to 75 volts for nighttime operations.

f. Flash interval time will be:

- X Bright mode - Approximately 2.5 seconds on and 2.5 seconds off.
- X Dim mode - Approximately 2.5 seconds and 2.5 seconds off.

- g.** A radio interference filter will be installed with an operation frequency of 50 Hz.
- h.** The LRCM must have at least two (2) lights (mounted at the backside of the upper portion of the top of the legs of the X) on the backside of the X to indicate power is being supplied to the RCM and to indicate that more than one (1) bulb has become inoperative.
- i.** The LRCM must be designed so it can be used while still attached to the tow vehicle or have the means to stand alone.
- j.** The LRCM must be able to withstand winds of 40 MPH while in operational mode. The shop drawing shall include wind loading calculations signed and sealed by a Florida Registered Professional Engineer.
- k.** The runway closure marker must be discernable from a distance of 3 to 5 miles VFR daytime and a minimum of 6 miles VFR nighttime. These distances must be determined from an aircraft using a Loran receiver. Documents substantiating these field tests by an independent third party must accompany specifications.
- l.** Set up time for the LRCM must be capable of being accomplished by one person in two (2) minutes or less. This means the LRCM can be raised and operating within this time frame.
- m.** The LRCM must have the fuel capacity to run at FULL LOAD for a minimum of 120 hours without refueling. The shop drawing shall indicate the consumption calculation.
- n.** The LRCM must have the capability of being hard wired for the convenience of operating without the use of a generator for prime power.
- o.** All electrical components must be UL listed.

111-2.4 LIGHTED X SUPPORT FRAME (Angle Mechanism)

- a.** The angle mechanism will be constructed of square tubing.
- b.** The angle mechanism must be capable of tilting 3 degrees from vertical and have trailer adjustments to accommodate this angle no matter what the degree of the runway.
- c.** The angle mechanism will be operated by an electric actuator which will both raise and lower the mechanism with power from the generator. The actuator must be approved by the manufacturer for this application. The actuator must be approved by the manufacturer for this application. The actuator must have the following: 3,000 pound static, capacity, solenoid brake, weather proof, spur gear reduction, 30% Duty cycle motor rating.

111-2.5 LIGHTED X ASSEMBLY

- a.** The RCM legs will be constructed from aluminum.
- b.** A locking system will be installed to secure the legs from expanding when the RCM is in the transport mode.

111-2.6 TRAILER

- a. The trailer frame will be constructed from 2" square tubing.
- b. Trailer dimensions: 7'6" wide. 10' long.
- c. The trailer floor must be expanded steel to serve as a work platform for servicing personnel and to minimize the possibility of ice and snow accumulation.
- d. A 1500# axle with built-in independent Henschen type suspension or equal. Axle springs, shackles, or shock absorbers are not acceptable.
- e. 4.80 x 12" tubeless 4-ply tires, 12" wheels and fenders.
- f. 2 FAS-LOC coupling rated at 3500# GVW, with safety chains.
- g. A two inch (2") ball will be mounted at the rear of the trailer to facilitate towing of a second (RCM).
- h. Provisions to accommodate safety chains will be mounted at the rear of the trailer.
- i. D.O.T. approved brake, tail, and turn signal lights and reflectors are provided.
- j. Five (5) 2000 lb. jack stands located at each corner and tongue.

111-2.7 PAINT-POWDER COATING

The entire RCM unit will be powder coated gloss to a 1.8 mil minimum dry film thickness. Powder to be outdoor rated. UV resistant, polyester TGIC with the following characteristics:

H-2H Pencil Hardness. ASTM-D522
 160 IN-Lb Gardner direct and reverse impact ASTM-D2794 modified
 Flex over 1/4 dia. needed without fracture.

111-2.8 DIESEL POWERED GENERATOR

- X Rated Watts - 4000
- X Voltage - 120/240
- X Amperage - 29.2/14.6
- X Fuel Capacity - 30 Gallons Minimum
- X Run Time - 120 hours
- X Must comply with Mil Spec. W-F 800 for the use of alternative fuels.
 JET-A
 JP-8
- X Starting System - 12V DC Electric & Recoil Rope
- X ELECTRICAL OUTLETS:
 2-120V (15A) w/GFI
 1-120V (30A) w/twistlock
 1-240V (20A)
- X OTHER FEATURES:
 Low Oil Pressure Safety Protection System

Running Time Meter
USDA Forestry Approved Muffler
Circuit Breaker Protection
Anti-Vibration Rubber Mounts
Dry Air Cleaner
12V Battery Charging System

111-2.9 WARRANTY

a. Repairs Covered: The RCM is warranted to the original owner during the WARRANTY PERIOD. The warranty covers repairs to correct any RCM defect related to materials or workmanship occurring during the WARRANTY PERIOD.

b. Warranty Period: The WARRANTY PERIOD for all coverage begins on the date the RCM is first delivered to this construction site and ends at the expiration of the COVERAGE period.

c. Coverage Period: The complete RCM is covered for two (2) years except for other coverage listed below.

d. Tires and battery are warranted separately by the individual manufacture.

111-3.3 OPERATION AND MAINTENANCE MANUALS. The Contractor shall provide data for all equipment, material and components supplied or furnished under this section in the Operation and Maintenance Manuals. This data shall include cut sheets from the manufacturer and the manufacturer's installation, operation and maintenance manuals, recommended spare parts lists, any required test results, and other data as required by Item L-106. The manuals shall be in accordance with Item L-106. Final payment for any contract amounts shall not be processed without proper submittal of these manuals and review and approval by the Engineer.

In addition, the manufacturer shall offer to the Owner, at no charge, factory training on the complete system. This training shall include operation and maintenance and troubleshooting of all system components. The training shall be coordinated and scheduled with the Owner.

MEASUREMENT AND PAYMENT

Work in this section will not be measured for payment. All work and materials covered by this section will be paid for in the lump sum price for Mobilization, Section 01000.

END OF ITEM L-111