

## ITEM M-003 AIRPORT SAFETY AND SECURITY

### DESCRIPTION

**003-1.1 GENERAL.** The Contractor shall be required to carry out his operations in a manner that will cause a minimum of interference with air traffic, and shall be required to cooperate with the FAA, the City of Flagstaff, the airlines, and other Contractor's that may be working in the area. All work shall be completed in accordance with the phasing plans, the FAA Advisory Circular 150/5370-2E and the Special Provisions of these Contract Documents.

The Contractor shall complete the Airport Construction Safety Plan as contained within the specifications with information applicable to the Contractors specific personal and means and methods of completing this project.

The Contractor shall be required to hold weekly airfield coordination meetings with the City of Flagstaff Operations. Additionally, the Contractor shall meet with Operations prior to the start of each shift to discuss the day's anticipated work activities.

All vehicles shall have flashing yellow lights in accordance with the Special Provision Specifications.

The Contractor shall be required to supply, place, maintain, move and store the items listed herein, as appropriate, to facilitate construction and protect air traffic and to keep on site an adequate extra supply of these items.

### MATERIALS

**003-2.1 RED WARNING LIGHTS.** Red warning lights shall be flashing red lights meeting the requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways" for Type A and Type B flashers.

**003-2.2 WARNING MARKERS.** Warning markers shall be the type and size detailed on the plans. Markers shall be equipped with a red warning light per paragraph 003-2.1.

**003-2.3 TEMPORARY RUNWAY/TAXIWAY CLOSED DEVICES AND SYMBOLS.** The taxiway closed markings may be painted on the pavement surface in accordance with Civil Technical Specification Item P-620, or the taxiway closed markers constructed of an easily removable material such as plywood or fabric and held in place with sand bags that are painted yellow. The temporary, portable and lighted runway closed devices shall be furnished and maintained by the Contractor and shall be Sweepster Model LX Runway Closure Marker, or an approved equal.

**003-2.4 LOW LEVEL BARRIERS.** Low level barriers shall be the Airport Runway Safety Barricade Model AR-2 Multi-Barrier as manufactured by Off The Wall Products, LLC, or approved equal. The AR-2 low level barrier sections shall be eight (8) feet long and ten (10) inches high. Sections shall be interlocking and shall be ballasted to prevent damage from jet blast. Each barricade section shall be equipped with a Model: SL-H867R Solar Powered Safety lights as manufactured by Leotek Electronics

USA Corp., or approved equal. The barriers shall be furnished, maintained and relocated during each phase by the Contractor.

**003-2.5 VACUUM SWEEPER.** Vacuum Sweeper shall be Tymco, Model HSP-600 or Elgin Model crosswind or approved equal.

**003-2.6 SAFETY AREA SUPPORT.** Reinforced structural steel plates, precast slabs or other approved material necessary to cover open excavation in the Runway Safety Area shall conform to Paragraph 003-5.1(1)(c)(i).

**003-2.7 SECURITY CHECK POINTS AND CONTROLLED CROSSINGS.** Provide as shown on the plans and as detailed within this specification, the items necessary to control crossings at active taxiways. These items may include traffic control devices, handheld traffic signals and light plants.

## **RESPONSIBILITIES**

**003-3.1 CONTROL REQUIREMENTS.** The Contractor's responsibilities for work areas are as follows:

1) The Contractor shall be held responsible for controlling his employees, subcontractor's, and their employees with regard to traffic movement.

2) The Contractor shall rebuild, repair, restore, and make good at his own expense all injuries or damages to any portion of the work occasioned by his use of these facilities before completion and acceptance of his work.

3) The Contractor shall submit to the Engineer in writing a detailed work plan for each construction phase. The work plan shall include, but not be limited to, temporary electrical facilities, installation sequence of underground electrical and utility systems, paving sequence, installation sequence of electrical items, maintenance of airfield electrical and NAVAID power and control circuits. This plan shall be submitted 14 calendar days prior to the start of each construction phase. No work within the construction phase may commence until the phase work plan has been reviewed by the City of Flagstaff and returned to the Contractor and marked as "no exceptions taken" or "make corrections noted."

4) The Contractor shall submit to the Engineer in writing a plan, by construction phase, for controlling construction equipment and vehicular movements in the Air Operations Area (AOA). This plan shall be submitted at the preconstruction conference. No work may commence until this plan has been reviewed and marked as "no exceptions taken" or "make corrections noted." The Plan must include material haul roads.

5) The Contractor shall provide a responsible Traffic Manager whose duty shall be to direct all traffic on or near active runways, taxiways, haul roads, and highways. Paved surfaces shall be kept clear at all times and specifically must be kept free from all debris which might damage aircraft.

**003-3.2 VEHICLE AND PEDESTRIAN CONTROL.** Vehicle and access routes for airport construction shall be controlled as necessary to prevent inadvertent or unauthorized entry of persons, vehicles or animals onto air operation areas. No vehicle shall enter the air operations area except at predetermined locations. The amount of construction traffic will require the Contractor to use a security