# SAMPLE SPECIFICATION

*Note: Modify the items in italics according to your specific job requirements.*

# ITEM L-125 INSTALLATION OF L-847 CIRCUIT SELECTOR SWITCH

**DESCRIPTION**

125-1.1 This item shall consist of furnishing and installing the L-847 Circuit Selector Switch in accordance with these specifications.

This item shall also include all wire and cable connections, the furnishing and installing of all necessary conduits and fittings and all necessary mounting structures. It shall also include the testing of the installation and all incidentals necessary to place the lights in operation as completed units to the satisfaction of the Engineer.

# EQUIPMENT AND MATERIALS

125-2.1 L-847. The L-847 Circuit Selector Switch shall conform to the requirements of FAA Advisory Circular 150/5345-5 (current edition) “Specification for Circuit Selector Switch”. The L- 847 Circuit Selector Switch shall be ETL certified. The L-847 Circuit Selector Switch shall be a fixture as manufactured by AIRPORT LIGHTING COMPANY (www.airportlightingcompany.com) or approved equal.

125-2.2 EQUIPMENT SUPPLIED. L-847 Circuit Selector Switch shall be supplied as shown on the plans. Each L-847 shall include one Instruction Manual. It shall be possible to download additional manuals from the manufacturer’s web site.

125-2.3 L-847 CIRCUIT SELECTOR CABINET. The circuit selector cabinet shall meet the requirements of AC 150/5345-5, Type L-847, *[ one ][ two ][ three ][ four ]* circuit control *[ as indicated ]*, Class *[ A, indoor ][ B, outdoor ]*, Rating [ 1, for 6.6 amperes ]

The Circuit Selector Switch *[shall] [shall not]* include optional CCR door interlock capability.

The Circuit Selector Switch shall provide dry contacts for monitoring internal selector switch status.

The Circuit Selector Switch shall include integrated circuit activation monitoring with visible annunciation to operators from within the cabinet. Dry contacts shall also be included to monitor circuit activation remotely.

The Circuit Selector Switch shall be operated by solid-state controller. All high-voltage switching shall be made with vacuum relays.

# CONSTRUCTION METHODS

125-3.1 PLACING THE L-847 CIRCUIT SELECTOR SWITCH.

The Contractor shall furnish, install, connect and test all equipment, accessories, conduit, cables, wires, buses, grounds and support items necessary to ensure a complete and operable circuit selector switch as specified here and shown in the plans.

The equipment installation and mounting shall comply with the requirements of the National Electrical Code and state and local code agencies having jurisdiction.

The Contractor shall install the specified equipment in accordance with the applicable advisory circulars and the details shown on the plans.

125-3.2 TESTS.

All connected circuits shall be fully tested by continuous operation for not less than 24 hours as a completed system prior to acceptance. The test shall include operating the constant current regulator in each step not less than 10 times at the beginning and end of the 24-hour test. The fixtures shall illuminate properly during each portion of the test.

# METHOD OF MEASUREMENT

125-4.1 MEASUREMENT. The L-847 to be paid for under this item shall be for the L-847 Circuit Selector Switch installed and one Instruction Manual and accepted as completed in place, ready for operation.

# BASIS FOR PAYMENT

125-5.1 PAYMENT. Payment will be made at the contract unit price for the completed L-847 Circuit Selector Switch installed, in place by the Contractor, and accepted by the Engineer. This price shall be full compensation for furnishing all materials and for all preparation, assembly, and installation of these materials, and for all labor, equipment, tools, and incidentals necessary to complete this item.

Payment will be made under:

Item L-125-5.1 L-847 Circuit Selector Switch, in Place—per each

**END OF ITEM L-125**