

Section 73 – AIRPORT 12-FOOT WIND CONES
(FAA L-107)

Black text – from standard FAA spec

Blue text – additions to FAA standard spec

~~Strikeout text – deletions from FAA standard spec~~

Red text – notes to the Engineer/won't appear in spec

I. DESCRIPTION

A. GENERAL

1. This item shall consist of furnishing and installing an airport wind cone

II. EQUIPMENT AND MATERIALS

A. GENERAL

1. Airport lighting equipment and materials shall be certified and listed
2. All equipment and materials shall be subject to acceptance through manufacturer's certification
3. Manufacturer's certifications shall not relieve the Contractor of responsibility
4. All materials and equipment shall be submitted to the Engineer for approval
5. The data submitted shall be sufficient, to determine compliance with the plans
6. All equipment and materials shall be guaranteed against defects for a period of at least twelve (12) months

B. WIND CONES

1. The ~~8-foot and~~ 12-foot (3.5 m) wind cone

C. WIRE

1. Wire in conduit rated up to 5,000 volts shall conform to AC 150/5345-7, [Section 69](#)

D. CONDUIT

1. [Above ground conduit shall be](#) rigid steel conduit

E. PLASTIC CONDUIT

1. For below grade only
 - a) Type I – Schedule 40 PVC
 - b) Type II – Schedule 40 PVC

F. CONCRETE

1. in accordance with Item P-610

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G. PAINT

1. Priming paint for ungalvanized metal surfaces
2. Priming paint for galvanized metal surfaces
3. Orange paint for the body and the finish coats
4. White paint for body and finish coats
5. ~~Priming paint for wood surfaces~~

III. CONSTRUCTION METHODS

A. INSTALLATION

1. Installed on a concrete foundation

B. POLE ERECTION

1. The Contractor shall erect the pole per manufacturer

C. ELECTRICAL CONNECTION

1. Make complete electrical connections in accordance with the project plans

~~D. BOOSTER TRANSFORMER~~

E. GROUND CONNECTION AND GROUND ROD

1. Three coats of paint shall be applied

F. PAINTING

1. All sheeting and bracing shall be withdrawn

G. LAMPS

1. Lamps as specified by the manufacturer

~~H. CHAIN AND PADLOCK~~

1. Contractor shall furnish and install a suitable operating chain

IV. METHOD OF MEASUREMENT

2. Wind cones shall be measured by the number if wind cones installed

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V. BASIS OF PAYMENT

1. Payment will be made at the contract unit price

VI. MATERIAL REQUIREMENTS

1. AC 150/5345-7
2. AC 150/5345-27
3. FED SPEC TT-E-489
4. FED SPEC J-C-30
5. FED SPEC W-P-115
6. FED STD 595
7. MIL-DTL-24441/20
8. Underwriters Laboratories standard 6
9. Underwriters Laboratories standard 514
10. Underwriters Laboratories standard 1242
11. NFPA-70
12. Master Painter's Institute

END OF SECTION 73