

**SECTION 641  
PRESTRESSED CONCRETE POLES**

**PART 1 GENERAL**

**1.01 SUMMARY**

A. Description

1. Furnish and install prestressed concrete poles pursuant to FDOT Specification Section 641 (Prestressed Concrete Poles) except as otherwise specified herein.

B. Related Sections

1. FDOT Specification Section 125 (Excavation for Structures and Pipe)
2. FDOT Specification Section 346 (Portland Cement Concrete)
3. FDOT Specification Section 347 (Portland Cement Concrete - Class NS)
4. FDOT Specification Section 450 (Precast Prestressed Concrete Construction)
5. FDOT Specification Section 620 (Grounding and Lightning Protection)
6. FDOT Specification Section 634 (Span Wire Assembly)
7. SECTION 639

C. Method of Measurement

1. Measurement for payment will be in accordance with the following work tasks:
  - a. Furnish and Install:
    - 1) The Contract unit price for prestressed concrete poles, furnish and install, will consist of the pole plus all labor, concrete when required for the foundation and other materials necessary for a complete and accepted installation as specified in the Contract Documents.
  - b. Pole Removal:
    - 1) Pole Removal Shallow: The quantity to be paid for will be the removal of each pole, including the foundation and all accessories and attachments, to a depth of not less than 4 feet below existing grade.
    - 2) Pole Removal Deep: The quantity to be paid for will be the complete removal of the pole, foundation and all accessories and attachments.

D. Basis of Payment

1. Price and Payment under the applicable pay item below will be full compensation for all work specified in this Section.
2. Payment will be made under:

Item No.	Description	Unit
641-2-11	Prestressed Concrete Pole, F&I, Type P-II Pedestal	EA

641-2-12M	Prestressed Concrete Pole, F&I, Type P-II Service (16 feet)	EA
641-2-60	Prestressed Concrete Pole, Complete Pole Removal- Pedestal/Service Pole	EA
641-2-70	Prestressed Concrete Pole, Shallow Pole Removal- Pole 30' and Greater	EA
641-2-80	Prestressed Concrete Pole, Complete Pole Removal- Pole 30' and Greater	EA

**1.02 SUBMITTALS**

A. Product Data

1. Provide pole design details and supporting calculations signed and sealed by a Florida Registered P.E. certifying that the pole meets applicable specification for intended signals application.

**PART 2 PRODUCTS**

**2.01 POLE FOR TRAFFIC SIGNAL ELECTRICAL POWER SERVICE ASSEMBLY**

- A. Each traffic signal electrical power service assembly pole must be a Type P-II Service Prestressed Concrete Pole meeting the requirements of FDOT Design Standards Index No. 17725 except that its overall length must be 16 feet (10 feet above final grade location and 6 feet below grade) and be listed on the Miami-Dade County Traffic Signals and Signs Division's Qualified Products List.

**PART 3 EXECUTION**

**3.01 NONE**