

**ITEM 551.0701M      PRECAST CONCRETE PILES**

The provisions of NYSDOT Standard Specifications, Section 551, latest revision, shall apply with the following modifications:

**MATERIALS**

Materials for precast piles shall conform to the requirements of the following subsections of the NYSDOT Standard Specifications, Section 700, latest revision:

|  |        |
|--|--------|
| Portland Cement                        | 701-01 |
| Coarse Aggregate                       | 703-02 |
| Concrete Sand                          | 703-07 |
| Bar Reinforcement Grade 420            | 709-01 |
| Wire Fabric for Concrete Reinforcement | 709-02 |
| Pre-stressing Steel                    | 709-06 |
| Admixtures                             | 711-08 |
| Water                                  | 712-01 |

Concrete shall achieve a compressive strength of 34,500 kPa min.

The 9.5 mm steel strands shall be prestressed to 2700 N per strand.

**CONSTRUCTION DETAILS**

Piles may be placed by jetting or combined driving and jetting.

The CONTRACTOR shall submit, in writing, the proposed procedure for installation of the piles. All methods and equipment shall be approved by the ENGINEER prior to construction.

**METHOD OF MEASUREMENT**

The quantity of piles to be paid for under the work specified for precast concrete piles will be the number of linear meters of the piles ordered as shown on the plans and delivered on site.

**BASIS OF PAYMENT**

Payment will be made under:

| <b><u>Item No.</u></b> | <b><u>Item</u></b>     | <b><u>Pay Unit</u></b> |
|------------------------|------------------------|------------------------|
| 551.0701M              | Precast Concrete Piles | M                      |