

1606 - STRAND FOR PRESTRESSED CONCRETE

SECTION 1606

STRAND FOR PRESTRESSED CONCRETE

1606.1 DESCRIPTION

This specification covers 7-wire, non-coated steel strand for use in pre-tensioned, pre-stressed concrete construction.

1606.2 REQUIREMENTS

Provide wire strand for use in bonded and pre-tensioned concrete that complies with ASTM A 416. Provide low relaxation, Grade 270 strand unless otherwise specified.

Store strand provided under this specification under conditions which maintains the strand in a dry condition and not in direct contact with the soil. When properly stored, the strand may remain in storage for a period not to exceed 6 months from the date of delivery to the pre-stress concrete production plant. Strand in storage in excess of 6 months must be re-tested by the manufacturer or an independent laboratory and a new certification issued before using it.

1606.3 TEST METHODS

Test material as specified in ASTM A 416.

1606.4 PREQUALIFICATION

None Required.

1606.5 BASIS OF ACCEPTANCE

Acceptance of strand provided under this specification will be based on satisfactory results of tests conducted at the MRC on samples representing each lot of material. Consult Part V for a reduced testing frequency for producers with established compliance records.