

ITEM 10606.3016 M - CONCRETE MEDIAN BARRIER
ITEM 10606.3116 M - CONCRETE MEDIAN BARRIER END SECTION
ITEM 10606.3216 M - HALF SECTION CONCRETE BARRIER
ITEM 10606.3316 M - HALF SECTION CONCRETE BARRIER END SECTION

DESCRIPTION. Under this work the Contractor shall construct concrete barrier and end sections in accordance with the plans, specifications, and as ordered by the Engineer.

MATERIALS. Subsection 606-2 shall apply except as follows:

Additional materials listed below shall meet the requirements specified in the following Subsections of Section 700:

Premoulded Resilient Joint Filler	705-07
Wire Fabric for Concrete Reinforcement	709-02

Bar reinforcement for precast, cast-in-place and machine formed barrier and end sections shall meet the requirements of Subsection 709-04 Epoxy Coated Bar Reinforcement, Grade 60.

Precast barrier shall meet the requirements of Subsection 704-05 Precast Concrete Median Barrier, except that concrete pads for precast barrier sections may, at the Contractor's option, conform to the requirements of Section 501 and shall be Class A.

CONSTRUCTION DETAILS. Subsection 606-3.05 shall apply except as follows:

The Contractor shall have the option of providing either precast, cast-in-place, or machine formed barriers and end sections unless otherwise indicated on the plans. No intermixing will be allowed except as follows:

- Cast-in-Place Barrier - End sections may be precast.
- Precast Barrier - End sections and transition sections may be cast-in-place.
Other special sections, as shown on the plans or permitted by the Engineer, may also be cast-in-place.
- Machine Formed Barrier - End sections and transition sections may be either cast-in-place or precast.

The Contractor shall provide shop drawings for the fabrication of the concrete barrier and end

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sections. The drawings shall include all requirements shown on the contract plans and specifications. Drawings shall be submitted to the Engineer for approval. For precast barrier, the Contractor shall allow at least thirty (30) days prior to the start of fabrication for approval and for the arrangement of inspection at the precast facility by the Materials Bureau. Six (6) copies of each drawing, approved by the Engineer, shall be sent to the Materials Bureau for use in fabrication inspection.

Concrete pads shall be placed to support the ends of all precast barrier sections. The pads shall be 150 mm thick and of a length and width equal to the barrier width. The top surfaces of the pads shall be finished to produce smooth and even bearing of the barrier sections, and shall be so placed as to meet required grade as shown on the plans or as ordered by the Engineer. Curing treatments for the pads shall meet the requirements of Subsection 502-3.10 "Curing," except that the minimum curing period shall be three (3) days. The ends of the bottom surface of the precast barrier sections shall be finished to produce smooth and even bearing on the concrete pads.

Should conditions require the use of shorter than standard length barrier sections, at locations such as filler sections, the minimum length of any section shall be three meters.

METHOD OF MEASUREMENT. This work will be measured by the number of meters of concrete barrier and end sections furnished and installed in accordance with the plans, specifications, and as directed by the Engineer.

BASIS OF PAYMENT. The unit price bid per meter of concrete barrier or end section shall include the cost of all labor, materials and equipment, including bar reinforcement, wire fabric, concrete pads and joint filler necessary to complete the work.