

ITEM 560.0701 02 M - PRE-CAST STONE COPING

DESCRIPTION

This work shall consist of furnishing and installing PRE-CAST STONE COPING in accordance with the contract documents and as directed by the Engineer.

MATERIALS

Pre-Cast Stone Coping:

Top (Horizontal) surfaces shall be cast smooth.

Exposed vertical surfaces shall have a snapped or rough surface.

Color: Sandstone; to be approved by the Landscape Architect.

Expansion Joint Sealant (Caulk) matching the Sandstone Pre-cast Coping shall be approved by the Landscape Architect.

Masonry Type S Mortar Ingredients

Portland cement, Type II	701-01
Masonry cement, Type S	705-21
Mortar Sand,	703-03
Concrete Sand	703-07
Water	712-01

Mix a Type S Mortar (with Type S Masonry Cement) by loose volume parts as follows:

<u>Portland or Blended Cement</u>	<u>Masonry Cement</u>	<u>Sand</u>
0	1 (Type S)	2.25 to 3
1	2 (Type S)	6.75 to 9

After adding all ingredients (including water) to a mechanical mixer, mix for 5 minutes to entrain air and produce a uniform consistency.

Mortar will be accepted by inspection, subject to the approval of the Engineer.

CONSTRUCTION DETAILS

Install the pre-cast coping units only when the ambient temperature and coping unit temperature are 5 degrees centigrade or more. If temperatures are expected to be lower than 5 degrees, heating or insulating procedures are to be used for a minimum of 24 hours after installation.

If the ambient temperature is above 32 degrees centigrade, spread the mortar bed less than 1.5 meters ahead and set coping stone within one minute.

Apply a cement paste to the bottom of each pre-cast coping unit just prior to setting it in mortar. Do not apply cement paste in overhang areas. Set the pre-cast coping unit on a full mortar bed to

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insure a full end joint support and uniform overhang as outlined in plans in one operation. Tamp coping units into final setting and line position.

All tool joints shall be struck concave, smooth, and uniform, 9.5 mm wide and a minimum of 3.2 mm deep.

METHOD OF MEASUREMENT

This work will be measured as the number of square meters of PRE-CAST STONE COPING satisfactorily furnished and installed.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.