

SPECIFICATIONS FOR
INSTALLATION OF PRECAST CONCRETE PANELS

1.0 DESCRIPTION

The Work shall consist of:

- .1 Transportation, unloading, and installation of precast concrete panels; and
- .2 Supply and installation of miscellaneous materials, including impregnated expanding foam sealant, preformed expansion joint filler, elastomeric pads and sheets, and anchors and adhesive for elastomeric sheets, and all other incidental materials required to erect the precast concrete panels.

The Fabricator shall notify the Department of any Subcontractors that have been contracted in respect of this Specification. The Fabricator shall remain responsible for the work of such Subcontractors. All requirements of this Specification, such as right of access, shall apply to such Subcontractor.

2.0 REFERENCES AND RELATED SPECIFICATIONS

All reference standards and related specifications shall be current issue or the latest revision at the date of tender advertisement.

2.1 Related Specifications

- Specifications for Fabrication of Precast Concrete Panels

3.0 SUBMITTALS**4.0 MATERIALS****4.1 Precast Concrete Panels**

Precast Concrete Panels will be supplied to the Contractor f.o.b. Contractor's truck at the precast Fabricator's yard. The precast Fabricator will load the panels onto the Contractor's hauling equipment. Pick up of panels shall be during the Fabricator's normal working hours unless other mutually satisfactory arrangements are made between the Contractor and the Fabricator. The Contractor will be responsible for any premium charged for any panels picked up outside of the Fabricator's normal working hours.

The Contractor shall be responsible for the security and integrity of the panels during transportation to site, and during unloading, storage and installation on site. Panels damaged during any of these operations shall be replaced or repaired to the satisfaction of the Engineer before final approval is granted. The decision to repair or replace the damaged panels will be entirely at the discretion of the Department.

4.2 Impregnated Expanding Foam Sealant

The Contractor shall supply and install the impregnated expanding foam sealant as specified on the Drawings or in the Special Provisions. Impregnated expanding foam sealant must be approved as identified in the Department's Approved Products List and shall be to the satisfaction of the Engineer. Any impregnated expanding foam sealant that is not in the Department's Approved Products List will be subject to approval by the Engineer.

4.3 Preformed Expansion Joint Filler

The Contractor shall supply and install the preformed expansion joint filler as specified on the Drawings or in the Special Provisions. The preformed expansion joint filler shall be asphalt impregnated fibreboard satisfying ASTM D 1751 and must be approved as identified in MIT's Approved Products List and shall be to the satisfaction of the Engineer. Any preformed expansion joint filler that is not in MIT's Approved Products List will be subject to approval by the Engineer.

4.4 Elastomeric Pads and Sheets

The Contractor shall supply and install the elastomeric pads and sheets as specified on the Drawings or in the Special Provisions and shall be subject to approval by the Engineer.

4.5 Anchors for Elastomeric Sheets

The Contractor shall supply and install the anchors for the elastomeric sheets as specified on the Drawings or in the Special Provisions and shall be subject to approval by the Engineer.

4.6 Adhesive for Elastomeric Sheets

The Contractor shall supply and install the adhesive for the elastomeric pads and sheets as specified on the Drawings or in the Special Provisions and shall be subject to approval by the Engineer.

5.0 CONSTRUCTION METHODS

5.1 Precast Concrete Panels

The precast concrete panels shall be picked up only by the lifting devices provided by the Fabricator. The lifting devices shall be cut off flush with the bottom of the recesses after installation.

The precast concrete panels shall be installed at the locations as indicated on the Drawings. The Contractor shall field drill holes into the precast concrete panels at the locations and in accordance with the details as indicated on the Drawings.

5.2 Miscellaneous Materials

All miscellaneous materials shall be installed at the locations as indicated on the Drawings. The Contractor shall clean the contact surfaces and apply the adhesive before placing the elastomeric pads and sheets at the locations and in accordance with the details as indicated on the Drawings.

6.0 QUALITY MANAGEMENT

After all precast concrete panels have been installed, the Contractor and the Engineer shall conduct a final inspection to locate any damage or deficiencies. All visible damage or deficiencies shall be repaired by the Contractor to the satisfaction of the Engineer and acceptable to the Department before final approval is granted.

7.0 METHOD OF MEASUREMENT

The transportation and installation of precast concrete panels will be measured on an area basis. The area to be paid for will be the total number of square metres of precast concrete panels delivered and installed in accordance with this Specification and accepted by the Engineer, computed from the dimensions of the formed/exposed faces provided on the Drawings.

8.0 BASIS OF PAYMENT

Transportation and installation of precast concrete panels will be paid for at the Contract Unit Price per square metre for "Install Precast Panels", measured as specified herein, which price will be payment in full for performing all operations herein described and all other items incidental to the work including in this Specification.

No separate measurement or payment will be made for the supply and installation of miscellaneous materials as it shall be considered incidental to the Contract Unit Price for "Install Precast Panels".