

809 - CONCRETE SAFETY BARRIER

SECTION 809

CONCRETE SAFETY BARRIER

809.1 DESCRIPTION

Construct permanent cast-in-place concrete safety barrier according to the Contract Documents. Place and remove temporary precast concrete safety barrier according to Contract Documents.

BID ITEMS

Concrete Safety Barrier (*)
Concrete Safety Barrier (*) (Temporary)
Concrete Safety Barrier (*) (Temporary - Installation Only)
Concrete Safety Barrier (*) (Temporary - Relocate)

UNITS

Linear Foot
Linear Foot
Linear Foot
Linear Foot

*Type

809.2 MATERIALS

a. Permanent Cast-in-Place Concrete Safety Barrier. Provide materials that comply with the Contract Documents and **DIVISIONS 1000 - 2500**. The Engineer will visually inspect the completed installation before making final acceptance.

b. Temporary Precast Concrete Safety Barrier. Provide certification (prepared by the Manufacturer or Contractor) that the temporary precast concrete safety barrier complies with the requirements on the Contract Document. Provide either new or used, temporary precast concrete safety barrier. The Engineer will accept, either new or used, temporary precast concrete safety barrier upon acceptance of the provided certification, and visual inspection of the delivered and installed temporary precast concrete safety barrier on the project.

c. Median Filler Material. Provide SB-3 for median filler material that complies with **DIVISION 1100**.

809.3 CONSTRUCTION REQUIREMENTS

a. Permanent Cast-in-Place Concrete Safety Barrier. Construct the cast-in-place concrete safety barrier as shown in the Contract Documents and according to **DIVISION 700**.

Place median filler material as indicated in the Contract Documents.

b. Temporary Precast Concrete Safety Barrier. Install and remove the precast concrete safety barrier as required. Do not use temporary precast concrete safety barrier that is damaged or deteriorated. Erect the temporary precast concrete safety barrier as shown in the Contract Documents. The temporary precast concrete safety barrier will remain the property of the Contractor, unless shown otherwise in the Contract Documents.

If the Contract Documents require installation only, transport from the designated stockpile, install and return the temporary precast concrete safety barrier to the designated location.

Relocate the temporary precast concrete safety barrier as shown in the Contract Documents, or as directed by the Engineer.

Remove and replace all sections of temporary precast concrete safety barrier damaged during or after placement. Remove, clean or replace temporary precast concrete safety barrier (including barrier delineators) that has deteriorated to the point of being non-effective.

809.4 MEASUREMENT AND PAYMENT

a. Permanent Cast-in-Place Concrete Safety Barrier. The Engineer will measure cast-in-place concrete safety barrier by the linear foot along the centerline of the barrier.

Payment for "Concrete Safety Barrier (*)" at the contract unit prices is full compensation for the specified work. Median filler material is subsidiary to other items in the contract.

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b. Temporary Precast Concrete Safety Barrier. The Engineer will measure the precast concrete safety barrier by the linear foot (number of sections times the nominal section length). A precast concrete safety barrier transition section (regardless of actual length) will be measured as a nominal section length of temporary precast concrete safety barrier.

The quantity of precast concrete safety barrier measured for payment is the maximum quantity required on the project at any one time, plus any replacement sections measured for payment, and is paid for as Concrete Safety Barrier (*) (Temporary). Each section of temporary precast concrete safety barrier will be measured for payment when put in use on the project.

Sections of temporary precast concrete safety barrier used to replace sections damaged by traffic while in use will be measured for payment and paid as Concrete Safety Barrier (*) (Temporary-Installation Only) when put in use on the project. When provided by the Contractor, sections of temporary precast concrete safety barrier used to replace deteriorated sections or sections damaged through negligence of the Contractor are not measured for payment.

When stage construction requires that the precast concrete safety barrier be moved from its initial position to an alternate position, the Engineer will measure the relocated barrier by the linear foot (number of sections times the nominal section length). The barrier will be measured for payment in each relocated position the barrier is placed and is paid as Concrete Safety Barrier (*) (Temporary-Relocate). If the stage construction requires that the barrier be removed from the project to a storage location, and returned to the project during a subsequent construction stage, each movement of the barrier will be considered a relocation.

Removal of the precast concrete safety barrier, when no longer required on the project, is not measured for separate payment.

Payment for "Concrete Safety Barrier (*) (Temporary)", "Concrete Safety Barrier (*) (Temporary-Installation Only)", and "Concrete Safety Barrier (*) (Temporary-Relocate)" at the contract unit prices is full compensation for the specified work.

The quantities shown in the Contract Documents for the various items of temporary precast concrete safety barrier are estimated. The contract unit prices will not be adjusted, regardless of overruns or underruns.