

ITEM 608.51 24M - STAMPED DETECTABLE WARNING

DESCRIPTION

This work shall consist of installing and stamping concrete with detectable warnings on or adjacent to sidewalk curb ramps and other locations, as indicated on the plans or elsewhere in the Contract Documents.

MATERIALS

Meet the requirements of the current Standard Sheet for detectable warnings details.

The material requirements and composition of concrete to be imprinted shall comply with the specifications for Class D concrete as outlined in Section 501 of the Standard Specifications.

The color shall be an approximate visual match to the color specified elsewhere in the Contract Documents, as determined by the Engineer. The color of the constructed detectable warning surfaces shall be uniform over the entire surface. The color shall be incorporated into the concrete surface immediately prior to stamping the detectable warnings, or integrally incorporated throughout the concrete mix. Color admixtures for integrally colored concrete shall meet the requirements of ASTM C979.

Imprinting tools shall be capable of imprinting the surface of the concrete with a uniform and aligned pattern meeting the required dimensions.

CONSTRUCTION DETAILS

Stamped detectable warnings shall be installed during construction of sidewalk curb ramps and other surfaces as specified elsewhere in the Contract Documents.

Apply 608-3.01 with the following modifications:

Prior to the start of work, the Contractor shall show evidence of successful completion of similar installations or provide a job-site sample for the approval of the Engineer. The sample size shall be 1.5 meters x .6 meters, minimum, and constructed at a location selected by the Engineer.

Color-hardening powder, if used to surface color the concrete, shall be applied to the finished concrete using the "dry-shake" method or as recommended by the manufacturer.

If required, as many test panels will be constructed as are necessary to achieve a sample panel that meets the satisfaction of the Engineer. All completed surfaces shall conform to the appearance of the approved sample, to the satisfaction of the Engineer. The sample shall not be incorporated into the work and will be removed after approval.

The Contractor is responsible for removing any material spatters from areas not included in the scope of the work.

The Contractor shall repair any damage that should arise from the installation or the clean-up effort.

METHOD OF MEASUREMENT

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Detectable Warning Surface will be measured as the number of square meters, measured to the nearest tenth (0.1) square meter, computed from the payment lines as shown on the Contract Documents.

BASIS OF PAYMENT

The unit price bid shall include all labor, materials, including concrete, and equipment necessary to complete the work as called for on the plans, including job site samples. Sidewalk curb ramps and other locations adjacent to detectable warning will be paid for under separate items.