

SPECIAL PROVISION
SECTION 608
RECONSTRUCT EXISTING AND CONSTRUCT NEW PEDESTRIAN
RAMP

Description This work shall consist of furnishing all labor, equipment and materials for reconstructing existing and constructing new pedestrian ramps compliant with the Americans with Disabilities Act (ADA) requirements.

Construction Requirements Reconstructing pedestrian ramps shall consist of the complete removal of any existing pedestrian ramp and adjacent sidewalk as necessary for reconstruction, excavating, placing, grading, compacting new aggregate in preparation of final surface treatment.

New pedestrian ramp construction shall consist of excavating, placing, grading, compacting aggregate subbase gravel in preparation of final surface treatment.

All HMA paved ramps shall be constructed with 12 inches of aggregate subbase course-gravel and 2 inches of hot mix asphalt unless otherwise noted in the plans or directed by the Resident.

All concrete ramps shall be constructed with 10 inches of aggregate subbase course-gravel and 4 inches of concrete unless otherwise noted in the plans or directed by the Resident.

All brick ramps shall be constructed with 10 inches of aggregate subbase course-gravel, 2 inches of hot mix asphalt, 1 inch of 6:1 sand-cement base course and 1 layer of molded paving brick in accordance with contract documents unless otherwise noted in the plans or directed by the Resident. Unconfined brick areas shall utilize plastic paver restraints or edging.

All pedestrian ramps shall be constructed of the same material as existing pedestrian ramp and/or sidewalk. Materials shall meet the requirements shown in the MaineDOT Standard Specifications or in other contract documents.

The sidewalk and pedestrian ramp construction shall be in compliance with ADA and MaineDOT minimum ADA requirements for Pedestrian Facilities as shown on applicable Standard Details 801(11-26), unless otherwise specified in the contract documents.

The Contractor shall construct all pedestrian ramps flush with adjacent existing sidewalk surfaces to allow proper drainage. Pedestrian ramps will also be graded to allow proper drainage at the gutter. Standing surface water will not be acceptable.

Temporary pedestrian access route(s) shall be provided by the Contractor whenever the existing pedestrian access route in the public right of way is blocked by construction, alteration, maintenance or other temporary conditions.

The Contractor will add a pedestrian access route control plan section in the project Traffic Control Plan (TCP) submittal, specifically discussing Pedestrian and Worker Safety and in conformity with the requirements of Standard Specification 652.3.3.

Materials Where the thickness of new aggregate to be placed exceeds 4 inches, material meeting the requirements of Section 703.06(c) Aggregate for Subbase, Type D, or Section 703.10 - Aggregate for Untreated Surface Course and Leveling Course shall be placed to the required grade. Where the thickness of new aggregate to be placed is 4 inches or less, material meeting the requirements of Section 703.10 Aggregate for Untreated Surface Course and Leveling Course shall be used. The Contractor may, at their option, grade the existing ramp to an elevation of 4 inches or more below the proposed finished gravel surface and place material meeting the requirements of Section 703.06(c) Aggregate for Subbase, Type D.

Aggregate for Subbase, Type D.	703.06
Untreated Aggregate Surface Course	703.10
Bricks for Paving	704.02
Welded Steel Wire Fabric	709.02

Portland cement concrete for the pedestrian ramps and concrete sidewalk areas shall meet the requirements of Section 502, Structural Concrete, Class A or a Prepackaged Concrete Mix identified on the Department's Qualified Products List (QPL). Quality Control and Quality Acceptance of concrete used for this item shall meet the criteria for Method C.

Mechanical consolidation upon concrete placement is not required for cast in place sidewalk concrete surface and or detectable warning field concrete base sections, however consolidation will be conducted manually by rodding, tamping, or by manufacturer's instructions.

Protective coating for concrete surfaces shall meet the requirements of Section 515, Protective Coating for Concrete Surfaces.

Brick pedestrian ramps and brick sidewalk areas shall meet the requirements of Section 608, sidewalks and other contract documents.

Hot mix asphalt (HMA) for the pedestrian ramps and HMA sidewalk areas shall meet the requirements of Section 401, Hot Mix Asphalt Pavement.

All curbing shall meet the requirements specified in the 609 section of the Standard Specification, Standard Details or other contract documents.

Method of Measurement Reconstructed and new constructed pedestrian ramps will be measured by the number of units complete and accepted in place.

Basis of Payment The accepted quantity of reconstructed and new constructed pedestrian ramps will be paid for at the contract price per each. This payment shall be full compensation for but not limited to the following:

- (1) Removal and disposal of existing concrete, brick, HMA and granite.
- (2) Furnishing, grading and compacting of Aggregate for Subbase Gravel.
- (3) Furnishing, regrading and compacting of additional Untreated Aggregate Surface Course Gravel if necessary.
- (4) Curb - Removal, cutting, installing, and furnishing curb to match existing sidewalk, including furnishing and installing new terminal curb (sloped curb) to match the existing materials to ADA compliance.
- (5) Installation and placement of all new or reconstructed pedestrian ramps shall match the surface elevation of the existing sidewalk. Saw Cutting of all joints between new and old HMA, concrete and staggering of all brick joints.
- (6) HMA, concrete, and brick wearing surfaces will be paid for under the appropriate items at the contract price.
- (7) Curb Ramp Detectible Warning Fields will be paid for under the appropriate items at the contract price.
- (8) Placing of expansion joints and sealing with silicone, if necessary.
- (9) All necessary grading, materials and restoration at the back edge of sidewalk.
- (10) Furnishing, applying protective coating for concrete surfaces.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
608.461	Reconstruct Pedestrian Ramp	Each
608.462	Construct New Pedestrian Ramp	Each