



**New York City  
Department of  
Transportation**

**Technical  
Bulletin**

**TB  
22-001**

**Title: Revision to NYC DOT Standard Detail of Construction H-1011**

Approved:

How Sheen Pau, P.E.  
How Sheen Pau, P.E. (Aug 16, 2022 14:25 EDT)

Aug 16, 2022

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Approved:

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Roger K. Weld, PE (Aug 1, 2022 17:17 EDT)

Aug 1, 2022

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## 1. Administrative Information.

- 1.1. Effective Date: This Technical Bulletin (TB) is effective with projects advertised on or after June 27, 2022. The revised standard detail of construction may be used earlier.
- 1.2. Disposition of Issued Materials: The New York City Department of Transportation Standard Details of Construction will be updated to incorporate the revised Standard Detail of Construction Drawing # H-1011 (herein *H-1011-1 through H-1011-9*).

## 2. Purpose.

The purpose of this TB is to issue a revision to the New York City Department of Transportation Standard Detail of Construction Drawing # H-1011 Sidewalk Pedestrian Ramps, issued on July 1, 2010, and hereby superseded.

## 3. Technical Information.

- 3.1. H-1011-1 through H-1011-9 have been developed to provide other pedestrian ramp (curb ramp) types, blended transition, and cut through design guidance in accordance with the 2010 Americans with Disabilities Act Standards for Accessible Design (ADA 2010), and the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-Of-Way (PROWAG). It also includes slope guidance, concrete sidewalk scoring, and detectable warning surfaces guidance.
- 3.2. The single drawing # H-1011 Sidewalk Pedestrian Ramps, has been replaced with the following nine drawings:
  - H-1011-1 Pedestrian Ramps Index of Drawings, Slope Limits, Legend, Glossary, General Notes,
  - H-1011-2 Pedestrian Ramps Corner Cases – Perpendicular,
  - H-1011-3 Pedestrian Ramps Corner Cases – Parallel,
  - H-1011-4 Pedestrian Ramps Corner Cases – Approval Required,
  - H-1011-5 Pedestrian Ramps Midblock Cases,
  - H-1011-6 Pedestrian Ramps Island Cases,

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- H-1011-7 Pedestrian Ramps Temporary Cases,
  - H-1011-8 Pedestrian Ramps Miscellaneous Details and Examples, and
  - H-1011-9 Pedestrian Ramps Detectable Warning Surfaces.
- 3.3. The details includes new slope limits for design, field layout, and work acceptance.
- 3.4. The details replaces Case I, Case II, and Case III ramp at corner configurations with new configurations:
- Pedestrian Ramps at corner locations Cases C1 through C5,
  - Pedestrian Ramps at midblock locations Cases M1, M2,
  - Pedestrian Ramps at traffic Islands and medians Cases IM1, IM2, and
  - Pedestrian Ramps for active work zones and other temporary applications Cases T1 through T3.
- 3.5. The details provides comprehensive requirements for Detectable Warning Surfaces, with reference to pedestrian ramps.
- 3.6. The details includes revised construction requirements, including revised limits of 7" concrete sidewalk pedestrian ramps, and recommended concrete sidewalk scoring.
- 3.7. Grading and geometry requirements for Case IM1 and Case IM2 supersede Standard Detail Drawings # H-1003A and # H-1003B.
- 3.8. For design and construction of pedestrian ramps crossing streets without yield or stop control and at midblock crossings, refer to TI 22-001.
- 3.9. There are references throughout H-1011 rev. 22 to Standard Detail of Construction Drawing # H-1060. H-1060 has not yet been issued. Prior to the issuance of H-1060, refer to TB 22-002
- 3.10. The grading and geometry requirements for Case IM1 and Case IM2 supersede Standard Detail Drawings # H-1003A and # H-1003B. The following values are superseded by DWG # H-1011-6:
- 3.10.1. All "pitch" or "slope" requirements in H-1003A and H-1003B,
  - 3.10.2. On Standard Detail Drawing # H-1003A: the "1'-0" dimension indicating length of ramp between cut through (noted as "pedestrian crosswalk) and surrounding sidewalk.
  - 3.10.3. On Standard Detail Drawing. # H-1003A: width of flush curb area in plan view "5'-0"
  - 3.10.4. On Standard Detail Drawing. # H-1003B: width of flush curb area in plan view "Varies, 4'-0" Minimum".

#### **4. Implementation.**

- 4.1. For projects in Design that will be advertised on or after June 6, 2022 (with the exception of corners where infrastructure relocations to install a pedestrian ramp, also known as complex pedestrian ramps):
- 4.1.1. For any pedestrian ramp, blended transition or cut through, with no ADA 2010 compliant site specific details may, the revised details may be incorporated into

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the plans with a note to apply them to pedestrian ramps constructed according to H-1011-1 through H-1011-9.

4.2. For projects in Construction:

4.2.1. H-1011-1 through H-1011-9 may be incorporated into any project advertised prior to the effective date by the Engineers-in-Charge, at no additional cost to the City, replacing any other standard details of pedestrian ramps, blended transition, or cut through construction. A copy of this TB must be included with the contract records as documentation of the revisions to the contract documents.

4.2.2. The Engineer of Record should be consulted if there are any questions concerning complying with standard drawings H-1011-1 through H-1011-9 and 2010 ADA requirements.

## 5. Transmitted Documents.

The revised New York City Department of Transportation Standard Details of Construction Drawing # H-1011-1 through H-1011-9 will be posted at the department website, <https://www.nycpedramps.info/>.

## 6. Background.

As part of a U.S. Department of Transportation Federal Highway Administration (FHWA) of a Joint Technical Review, (FHWA) has reviewed H-1011-1 through H-1011-9 and has concurred that the details are in conformance with current applicable ADA requirements.

## 7. Contact.

Questions concerning this issuance can be submitted by email to [pedramp@dot.nyc.gov](mailto:pedramp@dot.nyc.gov).