

SECTION 606—GRADE ADJUSTMENT OF EXISTING MISCELLANEOUS STRUCTURES

606.1 DESCRIPTION—This work is the grade adjustment of existing inlets, manholes, or utility boxes for a vertical height of 100 mm (4 inches) or less.

606.2 MATERIAL—

(a) Manhole and Inlet Extensions. From a manufacturer listed in [Bulletin 15](#) or have the type of extension accepted by the MTD before use.

Use extensions composed of gray, malleable, or ductile iron conforming to the requirements of [Section 1105.02\(h\)](#); structural steel, [Section 1105.02\(a\)2](#); or merchant quality steel conforming to [ASTM A 575](#).

Fabricate the extensions to conform to the shape of the original manhole or inlet castings. They may be either welded in place or secured by a swedge fit. Weld according to the manufacturer's recommendations. Provide a locking device to ensure the swedge fit is permanent. Coat steel extensions with a bituminous paint, as specified in [Section 605.2\(a\)](#).

(b) Additional Material. Conforming to the requirements specified for new structures.

(c) Certification. [Section 106.03\(b\)3](#)

606.3 CONSTRUCTION—

(a) General. Excavate as necessary. Carefully remove and clean existing castings. Construct the structure walls to the required elevation, as specified in [Section 605.3](#), conforming to the type of construction and dimensions of the existing structure.

Replace castings on a full mortar bed, as required.

Remove existing walls if the existing structure elevation is higher than the proposed elevation or if directed because the walls are in an unsatisfactory condition. Rebuild as specified.

Backfill as required. Repair or replace existing pavement, curb, and sidewalk damaged due to rebuilding. Satisfactorily dispose of unsuitable and surplus materials.

Upon completion, clean each structure of accumulations of debris, mortar, or foreign matter, including existing material, and keep clean until final acceptance.

(b) Adjustable Extensions. Before placing pavement material, set the adjustable extension unit in the existing inlet or manhole frame with the section resting on the flange. Secure the unit in place, according to the manufacturer's recommendations. Set the manhole cover or inlet grate in the flange formed by the adjustable extension unit.

606.4 MEASUREMENT AND PAYMENT—Set