

SECTION 709 S RESERVED

SECTION 710 ADJUSTING AND REPAIRING DRAINAGE INLETS AND MANHOLES

710.01 Description. This work consists of adjusting and repairing existing drainage inlets and manholes.

MATERIALS.

710.02 Portland Cement Concrete. Portland cement concrete shall conform to the requirements of [Section 812](#), Class B.

710.03 Mortar. Mortar shall conform to the requirements of [Section 611](#).

710.04 Brick. Brick shall conform to the requirements of [Section 611](#) or shall be concrete brick conforming to the requirements of ASTM C 139, except absorption shall not exceed of 15 lb/ft³; (240 kg/m³).

710.05 Select Borrow. Select borrow, used as backfill, shall conform to the requirements of [Subsection 209.04](#), Borrow Type C.

710.06 Concrete Block. Concrete block shall conform to the requirements of [Section 819](#).

CONSTRUCTION METHODS.

710.07 Drainage Inlets and Manholes. Drainage inlets and manholes, including the concrete curb portion of the drainage inlet, shall be adjusted to vertical grade. Drainage inlets and manholes shall be repaired as required, prior to the paving operations. The concrete curb portion of the drainage inlet shall be removed and replaced. Covers of drainage inlets and manholes shall be removed so that the Engineer can inspect the manhole or drainage inlet. Existing castings shall be removed and replaced on a full mortar bed, as required. At the direction of the Engineer, all reinforced concrete or masonry found to be in poor condition shall be rebuilt using materials conforming to the original structure's dimensions and construction type.

710.08 Excavation and Backfill. The materials necessary to be excavated to perform the work under this Section shall be removed from the site. All such excavations shall be backfilled with select borrow by methods conforming to the requirements of [Section 708](#).

710.09 Method of Measurement. The quantity of drainage inlets and manholes adjusted or repaired will be measured as the actual number of each, adjusted or repaired.

710.10 Basis of Payment. The quantity of drainage inlets and manholes adjusted or repaired will be paid for at the Contract unit price for drainage inlets and manholes repaired from the top of grate (or cover) to a depth of 3N (900 mm) below. Drainage inlets and manholes repaired below a depth of 3N (900 mm), but not more than 42N (1.4 m), will be paid for at one and one-half times the unit price. Drainage inlets and manholes repaired below a depth of 42N (1.4 m) will be paid for at two times the unit price. Price and payment will constitute full compensation for excavating, backfilling, compacting, and disposing of materials; for removing and resetting covers and portions of structures; for furnishing and placing all materials, including the replacement of the concrete curb portion of drainage inlets and all mortar repair; and for all labor, equipment, tools and incidentals required to complete the work.