

CITY OF DETROIT
SPECIAL PROVISION
FOR
DR STRUCTURE COVER, ADJUSTMENT, MODIFIED

1 of 2

DET: NH, MCS

Revised: 08-01-05

DESCRIPTION:

Drainage Structure Cover, Adjustments shall include all Public Lighting Department handholes and manholes, all water gate valve manholes, sewer manholes and catch basins whose covers are raised or lowered to meet the required elevations. Water Shutoff Adjustments shall consist of water shutoff boxes or stop boxes being raised or lowered to meet required elevations. The work under these items shall include repairs to the structure as required to make the elevation adjustment.

A joint inspection by the Engineer and the Contractor of the interior condition of each structure is required before proceeding with work operations. The Engineer will determine whether the structure will be adjusted or reconstructed. Access to structures will be provided by the Contractor.

This work shall also consist of the removing of any debris in the structures as a result of the contractor's operation.

Where called for on the plans or authorized by the Engineer, existing structures shall be adjusted to the proper elevation by removing adjacent pavement, curb or sidewalk to remove the castings. An opening at least 5 feet x 5 feet shall be removed in conjunction with adjusting the casting. To maintain the integrity of adjacent pavement, the full depth of the pavement shall be saw cut prior to the removal of the opening. The covers shall be raised to the proper elevation by supporting them on brick masonry, so constructed as to hold them firmly in place, or lowered to the proper elevation and reset on full mortar bed. Where the structure is in need of repair, as determined by the Engineer, within the limits provided for under this item, it shall be broken down and rebuilt with new materials to the required elevation. Any portion of the structure damaged beyond the limits of repair, as herein provided for, shall be removed and replaced at the contractor's expense. The adjacent pavement and curb shall be replaced in kind to the required elevation with High Early Strength Concrete containing 854 lb of cement per cubic yard as specified under subsections 703.03 and 703.03D of the 2003 MDOT Standard Specifications for construction.

Equipment will not be permitted to operate over adjusted structures any sooner than 24 hours after their completion, unless otherwise approved by the Engineer.

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METHOD OF MEASUREMENT AND BASIS OF PAYMENT:

"Dr Structure Cover, Adj, Case __, Modified" and "Water Shutoff, Adj, Modified" will be measured as units and will be paid for at the contract unit price each, which price shall be payment in full for furnishing all materials and fittings, for all pavement, curb or sidewalk removal and replacement, excavation, backfilling, disposal of surplus material, removal of all debris and foreign material from the structure (including the sump), and adjusting the structure to the required elevation, as herein before specified, with the existing or new cover, and access to all structures for inspection, as directed by the Engineer.

Structure damage due to work operations will be repaired at the Contractors expense.

Pay Item

Dr Structure Cover, Adj, Case 1, Modified
Dr Structure Cover, Adj, Case 2, Modified
Water Shutoff, Adj, Modified

Pay Unit

Each
Each
Each