

SECTION 609 RELAID STORM SEWERS

609.1 Description

- (1) This section describes excavating required trenches, taking up and re-laying existing pipe storm sewers, backfilling trenches and restoring the work site.

609.2 Materials

- (1) Use materials conforming to the requirements for the class of material named and specified below.

Mortar	519.2.3
Annular rubber or plastic gaskets	607.2
Mastic joint sealer	607.2.2
External rubber gaskets.....	607.2

609.3 Construction

- (1) Construct as specified for storm sewers in 607.3, except as modified otherwise below.
- (2) If the contract provides, excavate, remove, clean, and re-lay existing pipe storm sewers the plans show, at the location the plans show, or as the engineer directs. Excavate and remove the pipe in a manner that prevents damage to it. The contractor will replace pipe damaged by its operations at no expense to the department.

609.4 Measurement

- (1) The department will measure the Relaid Storm Sewer bid items by the linear foot acceptably completed. The department will measure this length along the centerline of the pipe from the pipe end at a free outlet to the center of the end catch basin, manhole, inlet, junction or other drainage structure; or from center to center of end catch basins, manholes, inlets, other drainage structures or junctions. The department will make no deduction from these measured lengths for intermediate catch basins, manholes, inlets, other drainage structures, junctions, or fittings.

609.5 Payment

- (1) The department will pay for measured quantities at the contract unit price under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
609.0100 - 0199	Relaid Storm Sewer (size)	LF

- (2) Payment for the Relaid Storm Sewer bid items is full compensation for all excavating, except rock excavation; for sheeting and shoring; backfilling; furnishing granular backfill material, including bedding material; and removing sheeting and braces; for removing, cleaning and relaying the pipe, including forming foundation; and for sealing joints and making connections to new or existing fixtures. Replace pipe designated for salvage or reuse that is made unusable through the contractor's operations at no expense to the department.
- (3) The department will apply this contract unit price without adjustment to the quantities of relaid storm sewers constructed at elevations not greater than one foot (300 mm) above or below the elevations the plans show. The department will pay for relaid storm sewers or portions of storm sewers that are constructed by engineer orders at elevations in excess of one foot (300 mm) above or below the elevations indicated on the plans as extra work.
- (4) Any work involved in forming a satisfactory foundation as described in 607.3.2 at depths of one foot (300 mm) or less below the bottom of the relaid pipe is incidental to the work. The department will pay for any work required at depths greater than one foot (300 mm) below the bottom of the relaid pipe as specified for extra work in 109.4.
- (5) The department will pay for rock excavation for storm sewers under the Storm Sewer Rock Excavation bid item as specified in 607.5.