

607.4 Measurement

This work is measured in cubic yards (meters) of accepted masonry. The dimensions shown on the Plans shall be used except for changes made by the Engineer.

Excavation for rubble masonry is not measured for separate payment.

607.4.01 Limits

General Provisions 101 through 150.

607.5 Payment

This work will be paid for at the Contract Price per cubic yard (meter) for mortar rubble masonry or dry rubble masonry complete in place.

Payment will be made under:

Item No. 607	Mortar rubble masonry	Per cubic yard (meter)
Item No. 607	Dry rubble masonry	Per cubic yard (meter)

607.5.01 Adjustments

General Provisions 101 through 150.

Section 608—Brick Masonry

608.1 General Description

This work includes laying brick in mortar.

608.1.01 Definitions

General Provisions 101 through 150.

608.1.02 Related References

A. Standard Specifications

Section 207—Excavation and Backfill for Minor Structures

Section 834—Masonry Materials

B. Referenced Documents

General Provisions 101 through 150.

608.1.03 Submittals

General Provisions 101 through 150.

608.2 Materials

Ensure that the materials meet the requirements of the following Specifications:

Brick for Masonry	834
Mortar and Grout	834

608.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

608.3 Construction Requirements

608.3.01 Personnel

General Provisions 101 through 150.

608.3.02 Equipment

General Provisions 101 through 150.

608.3.03

608.3.03 Preparation

General Provisions 101 through 150.

608.3.04 Fabrication

General Provisions 101 through 150.

608.3.05 Construction

A. Brick Selection

Select brick for exposed surfaces, corners, etc. from brick approved as to color and uniformity.

B. Laying Brick

Follow these guidelines when laying brick:

1. Saturate the brick with water before laying it.
2. Lay the brick using the shove-joint method to bond it thoroughly into the mortar.
3. Arrange headers and stretchers to bond the mass thoroughly.
4. For straight masonry walls using stretcher courses, ensure that at least 1 course in 7 is a header course.
5. Finish joints properly as the Work progresses. Create joints at least 0.25 in (5 mm) but no more than 0.5 in (15 mm) thick.

NOTE: Do not use spalls or bats except to shape around irregular openings or to use at corners.
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6. Lay brick evenly and neatly.

C. Observing Weather Limitations

Do not lay brick in freezing weather or when the bricks contain frost, except with permission from the Engineer and when required.

In hot and dry weather, protect the masonry and keep it wet for at least 48 hours after laying the brick.

D. Backfilling

Do not place backfill against the masonry until it is at least 7 days old. During cold weather, the restricted period may be longer as directed.

608.3.06 Quality Acceptance

All brick masonry shall present an even, uniform, neat, and workmanlike appearance.

608.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

608.4 Measurement

This work is measured for payment by one of the two methods specified below. The unit of measurement is stated in the Contract. Separate payment is not made for brick masonry used in catch basins, inlets, manholes, and similar items, which are measured and paid for per each.

Excavation and backfill for this work is not measured for payment except as specified in Section 207. Mortar is not paid for separately, and the cost is included in the Contract Price for brick masonry.

A. Measurement by Cubic Meter

When brick masonry is measured by the cubic yard (meter), the volume measured is the brick and mortar placed within the lines indicated on the Plans and typical cross sections or as directed by the Engineer.

B. Measurement by Number of Bricks

When brick masonry is measured by the brick, the unit of measurement is each thousand (M) bricks and fraction placed within the lines indicated on the Plans and typical cross sections or as directed by the Engineer.

608.4.01 Limits

General Provisions 101 through 150.

608.5 Payment

This work will be paid for at the Contract Price per cubic yard (meter) or per thousand (M) bricks for brick masonry complete in place.

Payment will be made under:

Item No. 608	Brick masonry	Per cubic yard (meter)
Item No. 608	Brick masonry	Per thousand (M)

608.5.01 Adjustments

General Provisions 101 through 150.

Section 609—Removal of Portland Cement Concrete Roadway Slabs

609.1 General Description

This work includes removing the full depth of existing jointed Portland cement concrete pavement slabs of various lengths. The slabs to be removed are shown on the Plans or are designated by the Engineer.

609.1.01 Definitions

General Provisions 101 through 150.

609.1.02 Related References

A. Standard Specifications

Section 886—Epoxy Resin Adhesives

B. Referenced Documents

General Provisions 101 through 150.

609.1.03 Submittals

General Provisions 101 through 150.

609.2 Materials

General Provisions 101 through 150.

609.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

609.3 Construction Requirements

609.3.01 Personnel

General Provisions 101 through 150.

609.3.02 Equipment

General Provisions 101 through 150.

609.3.03 Preparation

General Provisions 101 through 150.

609.3.04 Fabrication

General Provisions 101 through 150.

609.3.05 Construction

The Engineer will determine which slabs to remove and replace and whether to use full or partial slab replacement.

A. Partial Slab Replacements

The Engineer will determine the limits of removal. Remove and replace at least 6 ft (1.8 m) of slab measured longitudinally and 12 ft (3.6 m) measured transversely.