

SECTION 744 INSULATION BOARD (POLYSTYRENE)

744.01 DESCRIPTION.

This work consists of furnishing and installing extruded expanded polystyrene insulation board.

744.02 MATERIALS.

The insulation board shall meet Section 868.

744.03 CONSTRUCTION REQUIREMENTS.

- A. **Subgrade Preparation.** The compaction requirements for the soil on which the insulation material is to be placed shall be specified. The surface on which the insulation board is to be placed shall be leveled and smoothed so deviations from a 10-foot straightedge do not exceed 1/2 inch. In lieu of leveling the subgrade, a layer of sand may be placed on the subgrade, then compacted and leveled to the design subgrade elevation, and smoothed to comply with the above requirement.
- B. **Installation.** The boards shall be placed in a stepped pattern so the transverse joints are not continuous. If 2 or more layers of insulation are used, each succeeding layer shall be placed to cover joints in the preceding layer. No joint shall be closer than 6 inches to a joint in a lower layer.

Joints shall be tight and no gaps over 1/4 inch shall remain.

A minimum of 2 wooden skewers, 6-inch by 3/8-inch, shall be driven in each board. Skewers shall be driven at an angle until flush with the board's surface. Skewers shall be used in each board of each layer.

- C. **Cover Material.** The first lift of material placed on the insulation shall be a minimum of 12 inches thick (loose), and it shall be end dumped and spread uniformly over the insulation.

All material placed on top of the insulation shall be placed by light trucks or loaders, and all compaction shall be by rubber tired rollers or vibratory compactors.

- D. **Traffic.** No public traffic or additional construction equipment shall be permitted on the insulation until all fill on top of the insulation is completed and compacted.

744.04 METHOD OF MEASUREMENT.

Insulation board will be measured by the Board Foot complete, in place, and accepted.

744.05 BASIS OF PAYMENT.

Payment will be made at the Contract Unit Price for the following:

Pay Item	Pay Unit
Insulation Board	Board Foot (bd.ft.)

This payment will be full compensation for all labor, equipment, and material necessary to complete the work.

SECTION 748 CURB AND GUTTER

748.01 DESCRIPTION.

This work consists of constructing curb, gutter, or combination curb and gutter.

748.02 MATERIALS.

Materials shall meet the following:

Item	Section
Concrete Class AE	802
Materials for Bituminous Curbing	408
Base Material	816
Reinforcing Steel	836
Expansion Joint Material	826.02 C or 826.02 D
Joint Materials	826
Curing Materials	810

748.03 CONSTRUCTION REQUIREMENTS.**A. Cast-in-Place Concrete Curb and Gutter.**

1. **Equipment.** Curb and Gutter shall be constructed using a slip-form machine or fixed forms. Fixed forms shall be full depth.
2. **Excavation.** The area for placing the curb shall be compacted to a firm, even surface. All soft and unsuitable material shall be removed, replaced, and compacted with suitable material.
3. **Base.** A base aggregate, when specified, shall be placed to the required section and uniformly compacted.