

## 212 – GEOFOAM LIGHTWEIGHT EMBANKMENT FOR VOID FILL

### SECTION 212

#### GEOFOAM LIGHTWEIGHT EMBANKMENT FOR VOID FILL

##### 212.1 DESCRIPTION

Construct the geofoam lightweight expanded polystyrene (EPS) fill at the locations designated in the Contract Documents. This work is to fill voids in the embankment behind the abutment.

##### BID ITEM

Geofoam-Void Fill

##### UNITS

Cubic Yard

Note: If this bid item is not included in the Contract Documents, this work is subsidiary to other items in the contract.

##### 212.2 MATERIALS

Provide geofoam that complies with **DIVISION 1700**.

##### 212.3 CONSTRUCTION REQUIREMENT

Construct the embankment if required in successive layers of geofoam with the block's long axis alternating by 90° and offsetting blocks by half their widths to prevent the continuation of joints within the polystyrene mass.

Trim the blocks so the surface is uniform and even with a tolerance of ¼ inch in 10 feet.

Cut the EPS blocks using a saw unless alternative cutting methods have been approved by the Engineer.

Provide temporary weighting and guying down of the geofoam material as required until all blocks are built into a homogeneous mass.

Connect the EPS blocks with gripper plates. Place gripper plates between horizontal layers of geofoam as required.

Do not damage the EPS during construction or storage. Protect the EPS from petroleum based solvents, flame, and other ignition sources. Do not expose the EPS to direct sunlight. Keep the EPS covered with a light-colored opaque tarp.

##### 212.4 MEASUREMENT AND PAYMENT

The Engineer will measure the geofoam-void fill by the cubic yard.

Payment for "Geofoam-Void Fill" at the contract unit price is full compensation for the specified work.

When the bid item is not included in the Contract Documents, geofoam-void fill will not be measured for payment, but will be subsidiary to other bid items in the contract.