

**SPECIAL SPECIFICATION****5236****Geogrid Base Reinforcement**

1. **Description.** Furnish and install geogrid reinforcement in accordance with the lines and grades shown on the plans.
2. **Materials.** Supply geogrid of a synthetic structure meeting the requirements of Departmental Materials Specification DMS-6240, "Geogrid for Base Reinforcement," of the type as shown on the plans
3. **Construction.** Prepare subgrade as indicated on the plans or as directed. Set string lines for alignment if directed. Install geogrid in accordance with the lines and grades shown on the plans. Install geogrid so that the roll length runs parallel to the road direction. Overlap geogrid sections as indicated on the plans, with a minimum overlap of 1 ft. in both directions. Use plastic ties at overlaps. Place transverse ties 4 to 5 ft. apart and longitudinal ties 10 to 15 ft apart, or as directed. Placement of the geogrid around corners may require cutting and diagonal lapping. Pin geogrid at the beginning of the backfill section and keep taut throughout the section. Do not restrain material from stretching or flattening.

Place fill material as shown on the plans. Do not operate tracked construction equipment on the grid without a minimum fill cover of 6 in. Minimize turning of equipment to avoid damage to the geogrid. Rubber-tired equipment may operate directly on the grid at speeds less than 5 miles per hour if the underlying material is capable of supporting the loads. Repair sections of geogrid damaged by construction activity.

As directed, remove and replace contractor damaged or excessively deformed areas without additional compensation. Lap repair areas with a minimum of 3 ft. in all directions. Tie each side of repair grid in at least three locations but do not exceed normal construction spacing; tie spacing for odd shapes will be as directed.

4. **Measurement.** This Item will be measured by the square yard of surface area as shown on the plans. No measurement will be made for lapping of material, ties and grid anchor pins.
5. **Payment.** The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Geogrid Base Reinforcement." This price shall be full compensation for furnishing all labor, materials, freight, tools, equipment and incidentals, and for doing all the work involved in placement of the grid, complete in place.