

**Section 505**

**SECTION 505  
AGGREGATE SUBGRADE**

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**505-1 DESCRIPTION**

Construct aggregate subgrades in accordance with the contract or as directed. Undercut as needed in cut areas. Install geotextile for soil stabilization and place Class IV subgrade stabilization at locations shown on the plans.

**505-2 MATERIALS**

Refer to Division 10.

<b>Item</b>	<b>Section</b>
Geotextile for Soil Stabilization, Type 4	1056
Select Material, Class IV	1016

Use Class IV select material for Class IV subgrade stabilization.

**505-3 CONSTRUCTION METHODS**

When shallow undercut is required to construct aggregate subgrades, undercut 6 inches to 24 inches as shown on the plans or as directed. Perform undercut excavation in accordance with Section 225. Install geotextile for soil stabilization in accordance with Article 270-3. Place Class IV subgrade stabilization (standard size no. ABC) by end dumping ABC on geotextiles. Do not operate heavy equipment on geotextiles until geotextiles are covered with Class IV subgrade stabilization. Compact ABC to 92% of AASHTO T 180 as modified by the Department or to the highest density that can be reasonably obtained.

Maintain Class IV subgrade stabilization in an acceptable condition and minimize the use of heavy equipment on ABC in order to avoid damaging aggregate subgrades. Provide and maintain drainage ditches and drains as required to prevent entrapping water in aggregate subgrades.

**505-4 MEASUREMENT AND PAYMENT**

*Shallow Undercut* will be measured and paid in cubic yards. Shallow undercut will be measured in accordance with Article 225-7. The contract unit price for *Shallow Undercut* will be full compensation for excavating, hauling and disposing of materials to construct aggregate subgrades.

*Class IV Subgrade Stabilization* will be measured and paid in tons. Class IV subgrade stabilization will be measured by weighing material in trucks in accordance with Article 106-7. The contract unit price for *Class IV Subgrade Stabilization* will be full compensation for furnishing, hauling, handling, placing, compacting and maintaining ABC.

*Geotextile for Soil Stabilization* will be measured and paid in accordance with Article 270-4.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Shallow Undercut	Cubic Yard
Class IV Subgrade Stabilization	Ton