

Item No. 625S
Temporary Grade Stabilization Structure

625S.1 Description

This item shall govern for construction of a temporary channel lined with Hot Mix Asphaltic Concrete, Portland Cement concrete or comparable non-erodable material. The lining shall be placed to extend from the top of a slope to the bottom of a slope and to convey surface runoff safely down-slopes without causing erosion (Environmental Criteria Manual Section 1.4.2, "Temporary Structural Practices"). The removal of the entire structure and the revegetation of the area after the permanent facilities are in place shall also be included in this item.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, the inch-pound units are given preference followed by SI units shown within parentheses.

625S.2 Submittals

The submittal requirements for this specification item shall include:

- A. Aggregate types, gradations and physical characteristics for the Portland cement concrete mix,
- B. Aggregate types, gradations and physical characteristics for the Hot Mix Asphaltic Concrete mix,
- C. Submittal items required in Standard Specification Item 591S, "Riprap for Slope Protection".
- D. Re-vegetation program including:
 - 1. Identification of the type, source, mixture, Pure Live Seed (PLS) and rate of application of the seeding.
 - 2. Type of mulch.
 - 3. Type of tacking agent.
 - 4. Type and rate of application of fertilizer.

625S.3 Materials

A. Concrete

Portland Cement concrete shall conform to Class A, Item No. 403S, "Concrete for Structures".

B. Hot Mix Asphaltic Concrete

Asphaltic concrete shall conform to Item No. 340S, "Hot Mix Asphaltic Concrete Pavement".

C. Riprap

Rock or broken concrete riprap for energy dissipation shall not exceed 5 pounds each and shall conform to Item No. 591S, "Riprap for Slope Protection".

D. Seeding

Seeding shall conform to Item No. 604S, "Seeding for Erosion Control".

<i>RELATED</i> CROSS REFERENCE MATERIALS

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 101S	Preparing Right of Way
Item No. 102S	Clearing and Grubbing
Item No. 120S	Channel Excavation
Item No. 132S	Embankment
Item No. 401S	Structural Excavation and Backfill
Item No. 404S	Pneumatically Placed Concrete
Item No. 406S	Reinforcing Steel
Item No. 408	Concrete Joint Material
Item No. 410S	Concrete Structures
Item No. 606S	Fertilizer
Item No. 608S	Planting
Item No. 610S	Preservation of Trees and Other Vegetation
Item No. 620S	Filter Fabric

Texas Department of Transportation: Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges

<u>Designation</u>	<u>Description</u>
Item No. 100	Preparing Right of Way
Item No. 110	Excavation
Item No. 132	Embankment
Item No. 158	Specialized Excavation Work
Item No. 166	Fertilizer
Item No. 168	Vegetative Watering
Item No. 169	Soil Retention Blanket
Item No. 204	Sprinkling