

STABILIZED CONSTRUCTION ENTRANCE

SCDOT Designation: SC-M-815-10 (09/10)

1.0 Stabilized Construction Entrance

This Supplemental Specification replaces sections 815.1.1.4, 815.2.9, 815.4.14, 815.4.14.1, 815.4.14.2, 815.4.14.3, 815.5 paragraph 14, and 815.6 paragraph 12 in the *South Carolina Department of Transportation Standard Specifications for Highway Construction*, 2007 Edition.

1.1 Description

Locate a stabilized construction entrance, which is a temporary stone-stabilized pad with a non-woven geotextile fabric underlining, at defined points of vehicular ingress and egress on construction sites to reduce the amount of mud, dirt, and rocks transported onto public roads by motor vehicles, equipment, and runoff. The entrance shall have an adequate radius to prevent tracking of mud at the edge of the entrance, and so that long vehicles do not leave the stabilized area when turning onto or off of the paved roadway.

1.2 Materials

Provide a stabilized construction entrance composed of the following materials:

- Class 2 non-woven geotextile fabric and
- Aggregate stone with the gradation in the following table.

Nominal Size (Sieves with Square Openings)	Percent Passing
3 in.	100
1-½ in.	35 to 100
¾ in.	0 to 15

Provide a Class 2 non-woven geotextile fabric that meets the requirements of Section 804.2.11.

1.3 Construction Requirements**1.3.1 Installation**

Install a stabilized construction entrance at all defined points where traffic enters or leaves a construction site and moving directly off or onto a public road. Use construction entrances in conjunction with the stabilization of construction roads to reduce the amount of mud picked up by vehicles.

Ensure that the stabilized construction entrance is a minimum of 24 feet wide by 100 feet long and modify as necessary to accommodate site constraints. Place an adequate radius at the intersection with the road to prevent tracking of mud at the edge of the entrance.

If washing is used, make provisions to intercept the wash water and trap the sediment before it is carried offsite. Require washdown facilities as needed. In general, establish washdown facilities with crushed gravel and drain into a sediment trap or sediment basin.

Remove all vegetation and any objectionable material from the foundation area. Divert all surface runoff and drainage from the stabilized construction entrance to a sediment trap or basin. Install a Class 2 non-

woven geotextile fabric before placing any stone. If necessary, install a culvert pipe across the entrance to provide positive drainage. Place the aggregate stone at a minimum depth of 6 inches uniform on top of the geotextile fabric.

1.3.2 Inspection and Maintenance of Stabilized Construction Entrances

Inspect stabilized construction entrances every seven (7) days. Check for mud and sediment buildup and pad integrity. Wash, replace, or add stone whenever the entrance fails to perform effectively or as directed by the inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce mud being carried offsite by vehicles. Frequent washing will extend the useful life of the stone.

Reshape stone pad as needed for drainage and runoff control. Brush or sweep up soil that has been tracked offsite immediately for proper disposal. Flushing should only be used when the water can be discharged to a sediment trap or basin. Maintain the stabilized construction entrance until the remainder of the construction site has been fully stabilized. Repair any broken pavement immediately.

For sites with wash racks at each site entrance, sediment traps will have to be constructed and maintained for the life of the project.

If the aggregate material is being tracked offsite, limit larger vehicles from the construction site or use a larger diameter stone. If excessive sediment is being tracked onto the roadway, increase the length of the stabilized construction entrance.

1.3.3 Acceptance

Obtain RCE acceptance and approval for stabilized construction entrance installations and for the replacement of stone.

1.4 Measurement

The quantity of the pay item Stabilized Construction Entrance is the surface area of the stabilized construction entrance in-place and is measured by the square yard (SY), complete, and accepted. When replacement stone is authorized by the RCE, the area of replacement stone in the stabilized construction entrance is measured and added to the quantity of this item.

1.5 Payment

Payment for Stabilized Construction Entrance is full compensation for constructing stabilized construction entrances as specified or directed and includes furnishing, installing, inspecting, maintaining, reshaping, removing, and disposing the stabilized construction entrance; providing wash down facilities, drainage, geotextile under the aggregate; sweeping adjacent roadways as necessary or directed; and all other materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to fulfill the requirements of the pay item in accordance with the Plans, Specifications, and other terms of the Contract.

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