

South Carolina Department of Transportation

Engineering Directive

Directive Number: ED-16 **Effective:** March 30, 2009

Subject: Driveway Entrances

References: S.C. Code of Laws, Section 57-5-1140
Engineering Directive 24
SCDOT 2007 Standard Specifications for Highway Construction
SCDOT Access and Roadside Management Standards (ARMS) – Latest Edition

Purpose: Provide Direction for Installation of Driveway Entrances

This Directive Applies to: Maintenance

INSTALLATION OF RESIDENTIAL ENTRANCES

The South Carolina Department of Transportation (SCDOT) shall construct, at its expense, the portion within the right-of-way of entrances and aprons to state highways at any point necessary to render adequate ingress and egress to the abutting property at locations where the driveways will not constitute hazardous conditions. The driveway must be of access to existing developed property or property that is being developed for the personal use of the owner and not for speculative or resale purposes. The driveway shall be a maximum of 16 feet wide (paved portion). If pipe culvert is necessary for drainage, SCDOT shall install the amount necessary, up to 30-inch pipe. Should driveway installation require pipe larger than 30 inches, the Department may install the pipe and charge the homeowner for the difference in cost between 30-inch pipe and the larger diameter pipe required. Driveways requiring drainage structures other than pipe must be brought to the attention of the Director of Maintenance. Entrances to be constructed as outlined in this section shall include base and surfacing as necessary to provide all-weather driveway entrances. If wider entrances or additional entrances are requested and approved, construction may be performed by the Department at the owner's expense. The district engineering administrator is authorized to approve installation of a residential driveway at SCDOT expense when a present driveway exists, if the land use of the property has changed significantly.

DRIVEWAY MAINTENANCE

Maintenance of residential and commercial driveway entrances within the right-of-way may be performed by the SCDOT as deemed necessary. The Department shall address any hazardous conditions that may exist within the limits of the roadway shoulder, including the sideline pipe.

DRIVEWAY CONSTRUCTION

Pipe culvert should be selected according to Engineering Directive 24 (ED-24). Pipe culvert shall be placed and backfill compacted according to ED-24. Pipe diameters less than 12 inches are not permitted. The pipe culvert should, where possible, be placed in the center of the ditch and fit the alignment and slope of the ditch. Pipe shall be of a sufficient length to extend to the toe of the backfilled slope. Driveways should have a 2-foot wide shoulder at a 4:1 slope and shall have no greater than a 3:1 slope for the remainder of the driveway's front slope. The shoulder and slope shall be grassed to prevent erosion. The surface should be an all-weather concrete or asphalt surface. Asphalt surfacing should be a minimum of 2 inches thick with a compacted 6-inch base. If the concrete option is used, concrete driveways should be constructed in accordance with the SCDOT 2007 Standard Specifications for Highway Construction. The driveway's alignment with the existing road, approach grade, and radii should be constructed in accordance with SCDOT Access and Roadside Management Standards (ARMS), latest edition.

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