

South Carolina Department of Transportation

Engineering Directive

Directive Number: ED-3 **Effective:** April 13, 2015

Subject: Semi-Annual Work Zone Traffic Control Reviews

References: None

Purpose: Define Policy for Work Zone Traffic Review Process

This Directive Applies to: Traffic Engineering

In accordance with The Work Zone Safety and Mobility Rule (23 CFR 630 Subpart J) and for the purpose of increasing safety within work zones, the South Carolina Department of Transportation (SCDOT) shall review randomly selected construction projects to evaluate the efforts of providing work zone traffic control.

Appropriate highway personnel will form teams for performing statewide reviews to assess the effectiveness of SCDOT's procedures for protecting motorists, pedestrians, and workers on construction projects.

The reviews shall consider adequacy of the transportation management plan, effectiveness of traffic control devices, and analysis of implementation of traffic control plans.

A summary of the reviews shall be provided to the Federal Highway Administration (FHWA) Division Administrator to report the Department's traffic safety effort.

Procedures for performing and reporting the statewide work zone traffic control reviews are as follows:

- a. A field inspection of a construction project from each of the seven engineering districts will be conducted during the spring and fall when substantial projects are available.
- b. Review teams will consist of representatives of headquarters construction and traffic engineering offices, the district construction engineer, the resident construction engineer, and the FHWA operations engineer or designee for each project being inspected. For those projects being executed by construction and engineering inspection (CEI) firms, representatives from those firms are required to participate in the reviews.

Each review will consider the Department's effectiveness of providing adequate work zone traffic control for the protection of motorists, pedestrians, and workers.

Consideration will include the adequacy of the transportation management plan and implementation and maintenance thereof, documentation of inspections, coordination with the South Carolina Highway Patrol and news media, condition of traffic control devices (reviewed both day and night), and effectiveness of traffic control devices.

Once completed, Traffic Engineering will prepare a summary and evaluation of the statewide reviews of SCDOT's traffic safety effort for the Deputy Secretary for Engineering's response to the FHWA Division Administrator.

Traffic Engineering may conduct follow-up reviews, within forty-five days when deemed necessary, to determine if recommendations for corrective measures specified during the initial reviews have been implemented.

Traffic Engineering will prepare and provide a summary of any follow-up reviews to the Director of Construction.

To comply with this engineering directive, the following personnel actions will be required:

- a. The Director of Traffic Engineering's representative will coordinate and schedule the reviews, record the findings of each project's field review, and provide a summary and evaluation report within sixty days of completion of the review.
- b. The district engineering administrator will name an individual responsible for making frequent inspections (both day and night) of the work zone traffic control setup and documenting conditions of the devices in the project diary. This individual may be the resident construction engineer, the project manager from the CEI firm, or the contractor.
- c. The frequency of these inspections may vary due to the complexity of the project. For example, biweekly reviews should suffice for safety projects, secondary road bridge replacements, and resurfacing projects on low-speed, low-volume roads; however, daily reviews should be conducted for traffic control setups on high-speed roads.

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