

South Carolina Department of Transportation
Traffic Engineering Guidelines

NUMBER: TG-20

SUBJECT: Retroreflective Sign Post Panels

BACKGROUND: Section 2A.21 of the MUTCD provides guidance on the use of Retroreflective Sign Post Panels. This section states that these panels can be applied to regulatory and warning signs where engineering judgment indicates a need for additional target enhancement during nighttime conditions. Therefore, these panels will generally be applied where crash history indicates a relatively high percentage of nighttime crashes.

GUIDELINE: The panels shall be constructed of a nonmetallic composite or 3mm aluminum composite material approved by the SCDOT covered with a 3-inch wide type III sheeting. The panel shall be placed for the full length of the support from the sign to within 6 inches above the edge of the roadway. The color of the sheeting shall match the background color of the sign except that the color for the "Yield" and "Do Not Enter" signs shall be red. If there are two posts supporting the sign, panels should be added to both posts.

To avoid excessive use of the Retroreflective Sign Post Panel, it is suggested that panels only be applied when needed to the regulatory and warning signs listed below.

RED REGULATORY SIGNS:

- Stop, Yield, Do Not Enter and Wrong Way signs – Red Panels

HORIZONTAL ALIGNMENT WARNING SIGNS:

- Chevrons, Curve, Turn and Large Arrow signs – Yellow Panels

ADVANCE TRAFFIC CONTROL SIGNS:

- Stop Ahead, Yield Ahead and Signal Ahead signs – Yellow Panels

INTERSECTION WARNING SIGNS:

- Cross Road, Side Road, Circular Intersection and Two-Direction Large Arrow signs – Yellow Panels

PEDESTRIAN SIGNS AND SCHOOL AREA SIGNS:

- W11-2 and S1 Series – Florescent Yellow Green Panels

Approved:



Director of Traffic Engineering

11-1-12

Date