

PN 614 – 6/10/2010 – C&MS 614 Revisions for Construction Vehicle Conspicuity

Revise the 2010 C&MS as follows:

614.03

On page 472, **Revise** the eighth paragraph to read as follows:

Furnish warning signs in advance of channelizing devices such as barricades, drums, vertical panels, and cones.

Keep retroreflective materials clean and in good condition.

614.03

On page 472, **Add** the following paragraphs after the eighth paragraph of the section:

Ensure that all project vehicles, including project delivery vehicles, comply with the vehicle operating, lighting, and delineation requirements of ORC 4513.11, ORC 4513.17, and as set forth herein.

Equip all project vehicles with photo strobe lights, LED warning lights, or rotating beacons meeting Class 1 or Class 2 specifications for color and intensity as defined by the Society of Automotive Engineers (SAE).

Photo strobe lights, LED warning lights, or rotating beacons shall be horizontally visible from all directions (360 degrees). In order to ensure 360 degree visibility, the light shall in no way be obstructed from view by any signs or appurtenances on the vehicle.

Activate the photo strobe lights, LED warning lights, or rotating beacons and all hazard lights anytime the vehicle is entering, exiting or operating in a traveled lane at a speed less than the posted speed within the limits of the work zone or one mile of either end of the work zone.

In addition, equip all project vehicles having a gross vehicle weight rating of 10,000 pounds or greater, in single or combination, with conspicuity tape. Also, delineate all NCHRP 350 Category IV equipment (lighted arrows, changeable message signs, etc.) with conspicuity tape.

Conspicuity Tape: Use conspicuity tape meeting the requirements of Federal Motor Vehicle Safety Standards, Standard 108 (FMVSS 108).

- a. Apply one 2-inch wide (minimum) horizontal stripe of conspicuity tape to a minimum of 50 percent of the length of each side of the vehicle or equipment. Space lengths of tape evenly over the entire length of the vehicle. The centerline for each strip of conspicuity tape shall be between 15 inches and 60 inches above

the road surface when measured with the vehicle empty or unladen, or as close as practicable to this area.

- b. Outline the lower rear facing area of the vehicle or equipment with 2-inch wide (minimum) horizontal stripe of conspicuity tape. Apply the lower horizontal conspicuity tape extending the width of the vehicle as close as practical to the edge of the vehicle or equipment. The centerline for each strip of lower horizontal conspicuity tape shall be between 15 inches and 72 inches above the road surface when measured with the vehicle empty or unladen, or as close as practicable to this area.
- c. Outline the upper rear facing area with two pairs of strips of 2-inch wide (minimum) conspicuity tape, each pair consisting of strips 12 inches long, must be positioned horizontally and vertically on the right and left upper corners of the rear of the body of each vehicle, as close as practicable to the top of the vehicle and as far apart as practicable. If the perimeter of the body, as viewed from the rear, is not square or rectangular, the strips may be applied along the perimeter, as close as practicable to the uppermost and outermost areas of the rear of the body on the left and right sides.

Escort transport or delivery vehicles without proper photo strobe lights, LED warning lights, or rotating beacons or conspicuity tape to and from the work zone only with the approval of the Engineer. This exception is intended for limited use at the discretion of the Engineer and will only be considered following a written request by the contractor. Otherwise, equip all project vehicles with photo strobe lights, LED warning lights, or rotating beacons and conspicuity tape as described herein.

Equip all project vehicles with photo strobe lights, LED warning lights, or rotating beacons and conspicuity tape as set forth in this section no later than August 1, 2010.

Equip all project vehicles with photo strobe lights, LED warning lights, or rotating beacons meeting Class 1 specifications for color and intensity as defined by the Society of Automotive Engineers (SAE) no later than January 1, 2012.

Designer Note:

For use with the 2010 C&MS. This note is to be used on all projects that include Item 614 Maintaining Traffic, and do not use with SS800 dated 7/16/2010 or later.