

## **Section 23 - VDOT 2011 Work Area Protection Manual (WAPM) Requirements**

- I. Introduction - HRSD's Design and Construction Divisions contract with a wide variety and a significant number of Professional Services firms (FIRMs) for design and construction oversight responsibilities for both capital and non-capital projects. Typically, the FIRM providing the design services will also assemble a team to perform construction administration and inspection (CA/CI) services for HRSD during the construction period. Many of these projects lie within state and locality road rights of way. One of HRSD's top priorities during construction activities is the safety of all staff and HRSD's field representatives. As such, it is crucial that our staff and our contracted work force adhere to the latest federal, state, and locality safety standards.

The 2011 edition of the *Virginia Work Area Protection Manual* along with updates became effective for HRSD on July 1, 2012. Several localities have already adopted this manual and have been requiring compliance with it. The 2011 *Virginia Work Area Protection Manual* and a presentation highlighting changes from the previous Work Area Protection Manual can be found at the following web link: <http://www.virginiadot.org/business/trafficeng-WZS.asp>

This Section establishes expectations and requirements for being in compliance with the 2011 *Virginia Work Area Protection Manual* for all FIRMs providing CA/CI services on behalf of HRSD.

- II. Training Requirements for Construction Inspectors - All construction inspection personnel representing HRSD on any construction projects within rights of way exposed to traffic, work vehicles, and construction equipment within traffic control zones must take an approved course and become certified in Intermediate Work Zone Safety Training. HRSD will require a copy of each inspector's certification in order to represent HRSD on a construction project.
- III. Personal Protective Equipment (PPE) Requirements – All workers and flaggers are required to wear ANSI/ISEA 107-2010 Class 3 High Visibility safety apparel when exposed to traffic and construction equipment. The safety apparel shall be securely fastened to maximum the visibility of the workers. Hard hats with 360 degrees of retroreflective material shall also be worn. For workers installing and removing temporary traffic control devices as well as flaggers, the following Personal Protective Equipment (PPE) is required at all times both day and night:
- ANSI/ISEA 107-2010 Class 3 High Visibility Vest
  - Hard Hat with 360 degrees retroreflective material
  - Type E trousers (full length waistband trousers or overalls)
  - ANSI Z41. 1999 Foot Protection

Flagger stations shall be illuminated at night. Street lights or vehicle headlights do not satisfy illumination requirements for flagger stations. The light source shall produce a minimum of 50 lux or 5 foot-candles for the entire area. The light source needs to be higher than the flagger station and must not interfere with the flagger or motorist's line of sight.

IV. Attachments:

- A. Personal Protective Equipment Requirements for Work Zone Operations

**End of Section**