
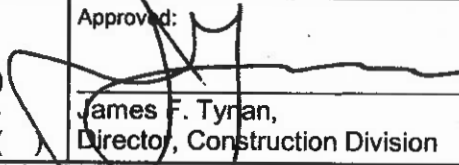


<b>To:</b> <b>Superseded By EI 14-021</b> <b>Effective 1/8/15</b>		New York State Department of Transportation <b>ENGINEERING</b> <b>INSTRUCTION</b>	<b>EI</b> <b>07-022</b>
<b>Title: REVISIONS TO STANDARD SPECIFICATION §107- 05A HIGH-VISIBILITY APPAREL</b>			
<b>Distribution:</b> <input checked="" type="checkbox"/> Manufacturers (18) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Agencies (32) <input checked="" type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> _____ ( )	<b>Approved:</b>  James F. Tynan, Director, Construction Division	6-4-07 Date	

**ADMINISTRATIVE INFORMATION:**

- This Engineering Instruction (EI) is effective for all contracts beginning January 1, 2008.
- This EI does not supersede any other issuances.
- These revisions will be incorporated into a future update of the Standard Specifications.

**PURPOSE:** To issue revisions to §107-05A. *High Visibility Apparel* of the Standard Specifications.

**TECHNICAL INFORMATION:**

- Federal Regulation 23 CFR Part 634 - *Worker Visibility* requires all workers within the right of way of a Federal-aid highway who are exposed either to traffic or to construction equipment to wear high-visibility personal protective safety clothing that meets the Performance Class 2 requirements of ANSI/ISEA 107. The Department is implementing this requirement at the beginning of the year in order to ensure full compliance by November 24, 2008, as required in the Federal Regulation.
- As almost all highways in the State are, or potentially can be Federal-Aid, and to promote consistency, the Federal requirement is being applied to all highway work.

**IMPLEMENTATION:**

- Effective January 1, 2008, all workers on Department contracts shall wear protective helmets and high-visibility apparel meeting the Performance Class 2 requirements of ANSI/ISEA 107.
- Main Office Design Quality Assurance Bureau will insert the standard specification shelf note beginning with projects submitted for the letting of January 10, 2008.
- Engineers-in-Charge of ongoing contracts and contracts let without the shelf note shall file a copy of this EI in the contract records as documentation of the change in accordance with the Contract Administration Manual (CAM) §104-02.

**TRANSMITTED MATERIALS:**

Attached is a standard specification shelf note for *High-Visibility Apparel*.

**CONTACT:** Direct questions regarding this EI to Tom Melander of the Office of Construction via e-mail at [TMelander@dot.state.ny.us](mailto:TMelander@dot.state.ny.us) or at (518) 457-6472.

## HIGH-VISIBILITY APPAREL

Make the following changes to the Standard Specifications of May 4, 2006:

Page 104-105, §107-05A. **General Delete** §107-05A and **Replace** it with the following:

**A. High Visibility Apparel.** All workers shall wear at all times protective helmets and construction apparel or traffic control apparel when working within a highway right of way or contract limits. High visibility apparel is intended to contrast with the background for worker conspicuity. All high-visibility apparel shall be closed front and rear; in good condition to maintain the color, visibility, reflectivity, and conspicuity. Workers shall include Contractor employees, Subcontractor employees, material suppliers, and other personnel under the direction of the Contractor. Protective helmets and high-visibility apparel are not required for employees when they are within a completely enclosed cab constructed of steel frame and glass, or inside a motor vehicle.

**1. Protective Helmets.** Protective helmets shall meet OSHA standards for impact, electrical shock, and burn protection. Protective helmets used during nighttime operations shall be equipped with a minimum of 7500 mm<sup>2</sup> of reflective tape on all four sides (i.e., 25 mm by 75mm strip - 1875 mm<sup>2</sup> per side). Protective helmets for flaggers shall be orange.

**2. Construction Apparel.** Construction Apparel shall consist of a vest, shirt, or jacket; fluorescent orange-red or fluorescent yellow-green or combination of these colors with at least 0.13 m<sup>2</sup> retroreflective bands meeting the requirements of ANSI 107 Class 2.

**3. Traffic Control Apparel.** Traffic Control Apparel shall consist of a vest, shirt, or jacket; fluorescent orange-red with fluorescent yellow-green striping bands or fluorescent yellow-green with fluorescent orange-red striping bands, placed both horizontal and vertical, meeting the requirements of ANSI 107 Class 2. The striping bands shall be approximately 120 mm wide with retroreflective strips. Retroreflective strips shall consist of two 25 mm wide retroreflective strips being 50 mm apart in the center of the fluorescent striping band material or a single 50 mm wide in the center of the fluorescent striping band material.