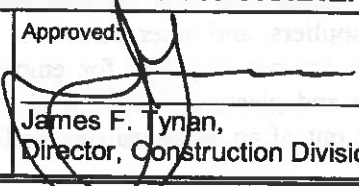


SUPERSEDED BY

EB 06-057

To:	EFFECTIVE 5/3/07	York State Department of Transportation	EI 04-032
MODIFIED BY EI 05-005 EFFECTIVE 05/05/05		ENGINEERING INSTRUCTION	
Title: REVISIONS TO STANDARD SPECIFICATIONS – HIGH-VISIBILITY APPAREL			
Distribution:	Approved:		
<input checked="" type="checkbox"/> Manufacturers (18)	<input checked="" type="checkbox"/> Surveyors (33)		8-10-04 Date
<input checked="" type="checkbox"/> Local Govt. (31)	<input checked="" type="checkbox"/> Consultants (34)		
<input checked="" type="checkbox"/> Agencies (32)	<input checked="" type="checkbox"/> Contractors (39)		
<input type="checkbox"/> _____ ()	<input type="checkbox"/> _____ ()		
	James F. Tynan, Director, Construction Division		

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective for all contracts beginning January 1, 2005.
- This EI does not supersede any other issuances.
- These revisions will be incorporated into the next update of the Standard Specifications.

PURPOSE: To issue revisions to §107-05A. and Section 619 of the Standard Specifications.

TECHNICAL INFORMATION:

- Effective 1/1/05, all Contractor employees are required to wear protective helmets and appropriate high-visibility apparel.

IMPLEMENTATION:

- The Department wants to promote and improve construction safety by inviting and encouraging our contracting community to begin using the new High-Visibility Apparel, but does not preclude use of current specified orange vest for traffic control and reflective vests for nighttime construction until the effective date of 1/1/05.
- Engineers-in-Charge of ongoing contracts and contracts let before 01/13/05 are to file a copy of this EI in the contract records as documentation of the change in accordance with the Contract Administration Manual (CAM) §104-03.
- Main Office Design Quality Assurance Bureau will insert the standard specification shelf note beginning with projects submitted for the letting of 01/13/05.

TRANSMITTED MATERIALS:

Attached is a shelf note for revised specifications for High-Visibility Apparel.

BACKGROUND:

The Department, with the support of the contracting community, is establishing a policy to provide high-visibility construction apparel for all contractors' employees within a highway right-of-way or contract limits. The policy focuses on worker conspicuity, where the worker will come to the attention of motorists and/or equipment operators by contrasting with their background. High-visibility apparel policy defines color, reflectivity, and conspicuity for vests, shirts, or jackets.

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

HIGH-VISIBILITY APPAREL

Make the following changes to Volume 1 of 3 of the Standard Specifications of 2002:

Page 1-83, §107-05A. *General Delete* lines 1-7 and *Replace* them with the following:

"All contractors' employees shall wear at all times protective helmets and construction apparel or other appropriate high-visibility apparel when working within a highway right-of-way or contract limits. All high-visibility apparel shall be closed front and rear; in good condition to maintain the color, visibility, reflectivity, and conspicuity. Contractors' employees will be considered to include everyone on the Contractor's payroll, subcontractors, 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. During daytime operations, truck drivers and equipment operators when out of an enclosed cab shall wear protective helmets and high-visibility construction apparel."

Make the following changes to Volume 2 of 3 of the Standard Specifications of 2002:

Page 6-86, after line 31, *Insert* the following:

"619-2.11 High-Visibility Apparel.

A. Protective Helmets. Protective helmets shall meet current OSHA standards for impact, electrical shock, and burn protection. Protective helmets used during nighttime operations shall be equipped with a minimum of 7500 mm² of reflective tape on all four sides (i.e., 25 mm by 75mm strip - 1875 mm² per side). Protective helmets for flaggers shall be orange.

B. Construction Apparel. Construction Apparel shall consist of a vest, shirt, or jacket; orange, fluorescent orange, yellow, fluorescent yellow, yellow-green, fluorescent yellow-green or combination of these colors meeting the requirements of the MUTCD.

C. Nighttime Apparel. Nighttime Apparel shall consist of a vest, shirt, or jacket; orange, fluorescent orange, yellow, fluorescent yellow, yellow-green, fluorescent yellow-green or combination of these colors meeting the requirements of ANSI 107 Class 2.

D. Traffic Control Apparel. Traffic Control Apparel shall consist of a vest, shirt, or jacket; fluorescent orange with fluorescent yellow-green striping bands or fluorescent yellow-green with fluorescent orange 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.

Page 6-87, §619-3.01 *Delete* lines 9-24 and *Replace* with the following:

"D. Traffic Control. Whenever it becomes necessary to maintain traffic on one lane, the Contractor shall provide adequate traffic controls. The Contractor shall employ a sufficient number of competent flaggers and/or temporary traffic signals to control one lane traffic and areas where construction equipment is operating in potential conflict with public traffic, regardless of the volume of traffic or the sight distance. Flaggers shall wear orange protective helmets and Traffic Control Apparel. Flaggers shall direct traffic in conformance with the MUTCD. Stop/Slow Paddles meeting the requirements of the MUTCD shall be used as the standard signaling device for flagging operations where one or more flaggers are controlling a single stream of traffic, or two alternating streams of traffic proceeding in opposite directions. Signal flags may be substituted where display of the STOP and SLOW faces may be inappropriate or misleading, or in other situations, with the approval of the Engineer."

Page 6-102, §619-3.13 *Delete* lines 19-33 and *Replace* with the following:

"A. Worker Apparel. All contractors' employees involved in nighttime operations shall wear at all times protective helmets and Nighttime Apparel. All Nighttime Apparel shall be closed front and rear and in clean condition to maintain color, visibility, reflectivity, and conspicuity. Truck drivers and equipment operators shall wear Nighttime Apparel when out of an enclosed cab."