

Specifications for ANSI/ISEA 107-2015
Lime Yellow Micromesh Short and Long Sleeve Tee shirts
Type R Class II
Roadway and Temporary Traffic Control Zones

Reflective Material

- 3M Scotchlite Reflective Material – 5510 Segmented Home Wash Trim
- 2” Retroreflective Tape is lightweight and flexible
- Segmented Tape is lightweight and Flexible
- Minimizes Chafing and Breaths Better than Solid Tape
- 75 Wash Compliant

Shirt Material

- Lightweight 5.6 oz Jersey Kit
- 100% Jet Spun Polyester Fabric

Additional Features

- Pocket
- Cotton-Like Feel
- Wicks Moisture 3 times faster than Cotton
- Minimizes Odor
- Crew Neck Long Sleeve Shirt

STYLE:

VEA 104 CT-LM – Short High Visibility Safety Features

- ANSI/ISEA 107-2015 TYPE R CLASS III Compliant High Visibility Shirt
- 2” Retro reflective Tape with 360 Degree Reflective Coverage
- High Visibility Lime – a.k.a. Fluorescent Lime

VEA 204 CT-LM – Long High Visibility Safety Features

- ANSI/ISEA 107-2015 TYPE R CLASS III Compliant High Visibility Shirt
- High Visibility Lime – a.k.a. Fluorescent Lime

VEA 102 CT-LB – Short High Visibility Safety Features

- ANSI/ISEA 107-2015 TYPE R CLASS II Compliant High Visibility Shirt
- 2” Retro reflective Tape with 360 Degree Reflective Coverage
- High Visibility Lime – a.k.a. Fluorescent Lime & Black

VEA 104 CT/LM – 204 CT/LM

Lime Price Sheet

(price includes logos)

	104 CT-regular Short sleeve	104 CT-tall Short Sleeve Tall	204 CT Tall Long Sleeve Tall
	Cost per shirt	Cost per jacket	Cost per jacket
Small			
Medium			
Large			
X-Large			
2 X Large			
3 X Large			
4 X Large			
5 X Large			
6 X Large			

VEA 102 CT- Lime/Black Price Sheet
(price includes logos)

	102 CT-regular Short sleeve
	Cost per shirt
Small	
Medium	
Large	
X-Large	
2 X Large	
3 X Large	
4 X Large	
5 X Large	
6 X Large	

Specifications for ANSI 107-2015

Type R: Class III

Jackets

RAF 413 GT

- ANSI 107-2015 Type: R Class III
- HI-VIS Lime Safety Bomber Jacket with Detachable Hood
- 2 Tone Woven Polyester
- Waterproof
- Breathable
- Extra Tall

VEA-403-ET

- ANSI 107-2015 Type: R Class III
- HI-VIS 2 Tone Lightweight Waterproof Safety Rain Jacket
- Hooded
- Waterproof

VEA-431-ST

- ANSI 107-2015 Type: R Class III
- HI-VIS Waterproof Hooded Parka
- Hooded
- Waterproof
- Breathable

VEA-602-ST

- ANSI 107-2015 Type: R Class III
- HI-VIS Lime Safety Sweatshirt with Detachable Hood
- Hooded
- Breathable

Jacket Price Sheet

	RAF 413 GT	VEA-403-T	VEA-431-ST	VEA-602-ST
	Cost per jacket	Cost per jacket	Cost per jacket	Cost per jacket
Small				
Medium				
Large				
X-Large				
2 X Large				
3 X Large				
4 X Large				
5 X Large				
6 X Large				
7 X Large				
XL – Tall				
2XL – Tall				
3XL – Tall				
4XL – Tall				
5XL – Tall				
6XL – Tall				
7XL – Tall				

Specifications for ANSI 107-2015

Type R: Class III

Vests

RAF 583-ET

- ANSI 107-2015 Type: R Class III
- HI-VIS Pocketed Zip Mesh Economy Safety Vest

	RAF 583 ET
	Cost per vest
Small	
Medium	
Large	
X-Large	
2 X Large	
3 X Large	
4 X Large	
5 X Large	

Specifications for ANSI 107-2015

Type Headwear: Class HW

Ranger Hat

RAF 804-ST-LM

- ANSI 107-2010 Type: Headwear Class HW
- HI-VIS Lime Ranger Style Safety Hat

	RAF 804-ST-LM
	Cost per hat
Fits Most LM	
Jumbo LM	

Scope:

The following specification outlines the high visibility requirements for tee shirts that will be worn by Shelby county employees for enhancing their visibility while working in or adjacent to moving traffic, heavy equipment, work zones or other endangering elements

Description:

The ANSI/ISEA specifications and or requirements mentioned hereinafter will by specifically referring to the “most current edition” of ANSI/ISEA 107-2015, American National Standard for High Visibility Safety Apparel and Headwear specification and guidelines. This specification is for finished ANSI/ISEA Class II high visibility tee shirts that will be worn by Shelby County personnel during day and night conditions. The Class II tee shirt shall be in compliance with the 2009 Edition of the MUTCD Part 6#.02 – High-Visibility Safety Apparel. The Class II tee shirt shall be manufactured using ANSI/ISEA certified background and retroreflective component materials and meet all of the ANSI/ISEA design requirements. Component reflective material in this specification shall be separately certified to ANSI/ISEA specifications by a competent and qualified independent laboratory

Materials:

Background Material – ANSI/ISEA 107-2015 certified

- Shall be 4.1 oz/yd² 100% polyester lightweight Birdseye knit fluorescent lime.

Class II tee shirt	Design A
Body	Lime
Sleeves	Lime
Collar	Lime
Pocket	Lime

- Shall meet color, performance and care label recommendations per ANSI/ISEA 107-2015.
- The fabric shall be treated with an inherent wicking finish to transport moisture away from the body to aid in keeping the body dry.
- Shall meet third party certificate of compliance for the background materials as required by ANSI/ISEA 107-2015.
- Background material shall be certified to 75 home washings.

Retroreflective Material – ANSI/ISEA 107-2015 certified

- Reflective trim shall be 2 inch wide 3M™ Scotchlite™ Reflective Material – 5510 Segmented Home Wash Trim. No substitutes.
- Shall be certified as ANSI/ISEA 107-2015 level 2 retroreflective material.
- The retroreflective trim shall be laminated onto the background material using guidelines for the lamination process as set forth by the manufacturer.
- Shall be certified to a minimum of 75 home washings.
- Shall meet care label recommendations and labeled per ANSI/ISEA 107-2015.
- Shall be made in the USA.

Design Benefits:

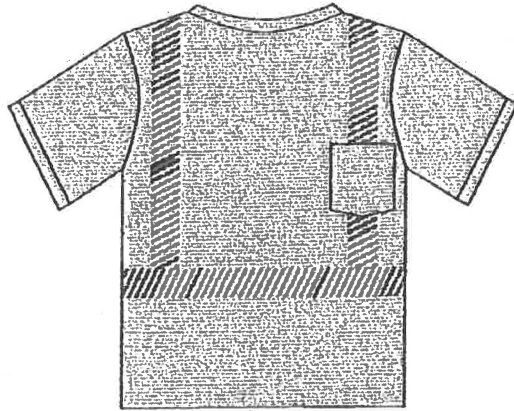
- a. Tee shirt designs shall be short sleeve with crew neck collar and a left pocket. VEA 102 CT Lime.
- b. Tee shirt designs shall be short sleeve with crew neck collar and a left pocket. VEA 102 CT Lime/Black.
- c. Tee shirt designs shall be long sleeve with crew neck collar and a left pocket. VEA 201 CT Lime.
- d. The minimum amount of visible background material shall be 775 in².
- e. The minimum amount of retroreflective material shall be 201 in².
- f. Sizing – smallest tee shirt shall meet minimum amounts of material as specified about (d and e).
- g. Garment designs shall conform to ANSI/ISEA 107-2015 Section 6 for Performance Class III.
- h. Retroreflective trim pattern shall consist of one 2 inch wide horizontal band of 3M™ Scotchlite™ Reflective Material – 5510 Segmented Home Wash Trim around the body and one 2 inch vertical band over each shoulder connected to the horizontal band.
- i. The tee shirt shall have a front pocket attached to the left side of the shirt that is approximately 4.5 inches wide by 5 inches long with the bottom of the pocket forming a wide U Shape.
- j. There shall be no raw edges on the tee shirt.
- k. Any label that is sewn into the collar of the tee shirt must be made from a soft fabric that is not abrasive to the wearer's neck.
- l. Sizes: Small to 6XL with sizes L, XL, 2XL, 3XL, 4XL, 5 XL, 6 XL being available in Tall for the VEA102 CT Lime.

Logo materials and design:

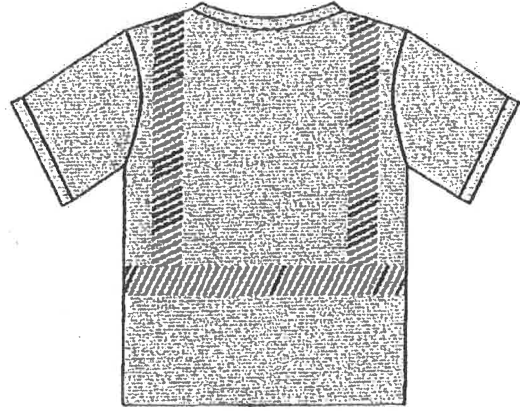
- The Shelby County Alabama logo shall be approximately two and one half inch diameter single color black logo made of cut material centered on the front pocket.
- The logo shall have Shelby County Alabama written as shown in the logo.

- Lettering shall be no less than one half inch block letters made of cad cut material centered in a circular configuration with Shelby County inside circle and Alabama in bottom part of circle.

Design A:



front



back



Recommended Care Guide:



Machine wash warm, 40 °C (105 °F)
Max washings for retroreflective trim – 75X
Max washings for background material – 75X
Do not bleach
Do not use fabric softeners
Do not use dryer sheets
Tumble-dry low
Use cool iron, 110 °C (230 °F)
Dry-clean, normal cycle

Samples:

All bids must be accompanied by a sample tee shirt. Bids without samples will be disqualified. In addition, the manufacturer shall provide instructions for Use. This may be provided on a garment label, to included special care instructions and appropriate precautions to observe.

Garment Label Example:

The tee shirt label shall include the following information:

- Manufacturer
- ANSI/ISEA 107-2015
- Fabric type
- Model #
- Size
- Pictogram showing garment class and retroreflectivity level
- Care guide and maximum number of cycles

Additional Specification/Bid Notes:

All bid responses will need to meet the minimum standards as stated in the Manual of Uniform Traffic and Control Devices:

"All workers, including emergency responders, within the right-of-way who are exposed either to traffic (vehicles using the highway for purposes of travel) or to work vehicles and construction equipment with the TTC Zone shall wear high-visibility safety apparel that meets the Performance Class II or III requirements of the ANSI/ISEA 107-2015 publication entitled "American National Standard for High-Visibility Safety Apparel and Headwear"..."

No minimum number of shirts to be ordered can be determined.

Delivery shall be made to Shelby County Highway Department, 506 Highway 70, Columbiana, Alabama 35051.

Shipping is not included in the shirt pricing. It will be paid upon receipt of shipping invoice provided through/ by the awarded vendor.

Delivery will be required no later than four weeks of receipt of order.

THE UNDERSIGNED OFFERS THESE PRICES, TERMS, AND DELIVERY AS PER BID SPECIFICATIONS:

NAME OF COMPANY: _____

SIGNATURE: _____

ADDRESS: _____

TELEPHONE: _____

BID BOND: (If Applicable) _____

Sworn to and subscribed before me this the _____ day of _____ 2022

Notary Public

My Commission Expires: _____