

## ANSI/ASEA 107 High-Visibility Safety Apparel Standard

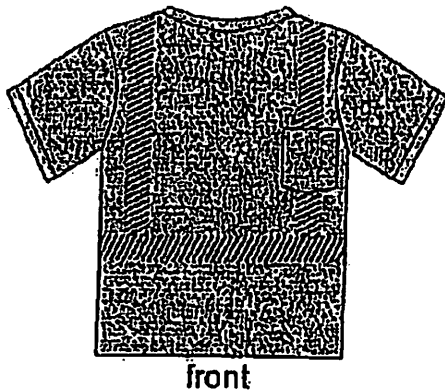
- Type R, Class 3 garments are compliant for workers on or near a public access roadway.

Garment Type	Type R – Roadway	Supplemental Items	Accessories
Performance Class	Class 3	Gaiters Class E	Headwear
Background Material Amounts	1240 in <sup>2</sup>	465in <sup>2</sup>	78 in <sup>2</sup>
Reflective Material Amounts	310 in <sup>2</sup>	109 in <sup>2</sup>	10 in <sup>2</sup>
Width Minimums of Reflective Material	2" 1" for split trim designs	2" 1" for split trim designs	1"

### Logos, Panels, and Lettering



- Type R, Class 3 garments can have the smallest size in the size range compliant to the standard with a minimum of 1000 in<sup>2</sup> in background material to accommodate smaller workers. All larger sizes must have a minimum of 1240 in<sup>2</sup>. No reduction in retroreflectivity is allowed and 310 in<sup>2</sup> is still the required minimum.
- These amounts are for the entire garment, front and back. The covered material cannot create a gap wider than 2 inches in retroreflective material horizontally.
- The Shelby County Alabama logo shall be approximately two and one half inch diameter single color black logo made of cad cut material centered on the front pocket and eight inch centered on back of shirt, jacket and vest.
- 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.



## Retroreflective Material Placement

All Types and Classes of garments should achieve the following:

- Use of retroreflective band widths and amounts appropriate for the garment class 3
- Provide 360° visibility with horizontal gaps of 2 inches or less.
- Horizontal bands placed at least 2 inches about the bottom of garment.
- 5510 Segmented Home Wash Trim
- Segmented Tape is lightweight and Flexible
- Garments without retroreflective material encircling the sleeves are required to have 23.25 in<sup>2</sup> of retroreflective material in the shoulder area, to provide 180° visibility of the wearer. Shoulder area is defined as measuring 5.9 inches down from the shoulder high point, on the front and back of the garment. The requirement of 23.25 in<sup>2</sup> is the total amount of retroreflective material required in the shoulder area including the front and back of the garment, e.g., shoulder area retroreflective material amount front + rear + 23.25 in<sup>2</sup>.
- Appropriate separation distances for vertical and horizontal bands placed on the torso, sleeves and trouser areas.
- Garment designs should consider a front-to-back balance of background and retroreflective materials by incorporating at least 40% of the minimum required materials, per Table 1 of the standard, on the front or back.
- Class 3 garments must have at least one retroreflective band encircling each sleeve. When retroreflective is placed towards the bottom of a long sleeve garment, it must be 2 inches or more from the bottom of the sleeve. Retroreflective placed between the shoulder and elbow of a short sleeve garment can be placed right up to the edge of the sleeve.

## **Requirements for Retroreflective and Combined-Performance Materials**

- All material must meet the minimum brightness requirements after tests for abrasion resistance, flexing, folding at cold temperatures, variation in temperatures, influence of rainfall, and laundering. When washing is indicated on the care label, the retroreflective or combined-performance product shall be tested to ISO 6330 Method 6N, 60°C.
- Combined-performance material must also meet the minimum luminance or brightness factors after Xenon exposure test \*UV light).
- 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 short and long sleeve shirt

## **Care Labeling, General Marking and Instructions for Use**

- Once all materials have been tested against performance requirements and certificates of conformance issued from an accredited laboratory, apparel manufacturers then assemble garments according to the design guidelines in Section 6 of the standard for the appropriate Type and Class of garment. Only after all the materials' performance and design requirements for use are described in Sections 12 to 14 of the standard.
- 75 wash compliant.

## **Specific Marking**

- Label marking includes, at a minimum, the following information:
- Manufacturer's name or other means of identification.
- Item number or other identification of the specific style of product.
- Size
- This ANSI/ISEA standard name including year (ANSI/ISEA 107-2020).
- If garment is not flame resistant, label must include the statement: This garment is not flame resistant as defined by ANSI/ISEA 107-2020.
- Pictogram showing the garment Type and Class of performance for the retroreflective material. Universal pictogram can be used or a pictogram that represents the garment being labeled.

## **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 include special care instructions and appropriate precautions to observe.

VENDOR \_\_\_\_\_

**Bid Notes:**

- All bid responses will need to meet the minimum standards as stated in the Manual of Uniform Traffic and Control Devices.
- No minimum number of shirts to be ordered can be determined.
- Delivery shall be made to:
  - Shelby County Highway Department  
506 Highway 70  
Columbiana, AL 35051
  - Shelby County Water Department  
10927 Hwy 280  
Westover, AL 35185
  - Shelby County Facilities & General Services  
280 McDow Road  
Columbiana, AL 35051
  - Shelby County Environmental Services  
1281 Highway 70  
Columbiana, AL 35051
- Shipping is not included in the shirt pricing. It will be paid upon receipt of shipping invoices 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 \_\_\_\_\_ 2025

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

**VEA 104 CT-/LM – 204 CT /LM****Lime Shirt Price Sheet****(Price includes logo)**

	<b>104 CT-regular Short sleeve</b>	<b>204 CT-regular Long sleeve</b>	<b>Reflect50 Short sleeve Button-up</b>
	<b>Cost per shirt</b>	<b>Cost per shirt</b>	<b>Cost per shirt</b>
<b>Small</b>			
<b>Medium</b>			
<b>Large</b>			
<b>X-Large</b>			
<b>2 X Large</b>			
<b>3 X Large</b>			
<b>Large Tall</b>			
<b>X-Large Tall</b>			
<b>2X-Large Tall</b>			
<b>3X-Large Tall</b>			

**Specifications for ANSI 107-2015****Type R: Class III****Jackets (Price Includes Logo)****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

**403-ET**

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

**431-ST**

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

**602-STLB**

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

**605GTLN**

- ANSI 107-2015 Type: R Class III
- HI-VIS 2-Tone Sweatshirt
- ¼ zip
- Breathable

**604GTLN**

- ANSI 107-2015 Type: R Class III
- Reflective 2-Tone Hoodie Sweatshirt
- Breathable

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## Jacket Price Sheet

### (Price includes Logo)

	<b>413GTLB GT Bomber Jacket</b>	<b>403ETLB T Rain Jacket</b>	<b>431STLB ST Parka</b>	<b>602STLB STLB Zipper Sweatshirt</b>	<b>605GTLN GTLN ¾ Zip Sweatshirt</b>	<b>604GTLN GTLN Hoodie Sweatshirt</b>
<b>Small</b>						
<b>Medium</b>						
<b>Large</b>						
<b>X-Large</b>						
<b>2 X Large</b>						
<b>3 X Large</b>						
<b>XL – Tall</b>						
<b>2XL – Tall</b>						
<b>3XL – Tall</b>						

**Vests**  
**(Price includes logo)**

**583-ET**

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

**589-ETLM**

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

	<b>583 ETLM</b>	<b>589 ETLM</b>
	<b>Economy Vest</b>	<b>Surveyor vest</b>
	<b>Cost per vest</b>	<b>Cost per vest</b>
<b>Small</b>		
<b>Medium</b>		
<b>Large</b>		
<b>X-Large</b>		
<b>2 X Large</b>		
<b>3 X Large</b>		



**Accessories**  
**(Price includes logo)**

**804-ST-LM**

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

**803-ST-LM**

- ANSI 107-2010 Type: Headwear Class HW
- Hi-Vis Safety Baseball cap (with County logo)

**799-ST-LM**

- ANSI 107-2020 Clause 9.1 and 9.2
- Hi-Vis Safety Gaiter Leg Covers

	<b>804STLM</b> <b>Ranger hat</b>	<b>803STLM</b> <b>Baseball cap</b>	<b>799STLM</b> <b>Leg Gaiters</b>
	<b>Cost per hat</b>	<b>Cost per cap</b>	<b>Cost per pair</b>
<b>Fits Most LM</b>			
<b>Jumbo LM</b>			