

**SAN ANTONIO WATER SYSTEM
SAN ANTONIO, TEXAS**

Specifications For TxDOT-Compliant High-Visibility Safety Vests

Revised January 28, 2013

1. **SCOPE**

This specification covers high-visibility safety vests, for use by employees who work in the field where visibility is essential, especially in traffic areas, such as during the maintenance and repair of SAWS distribution and collection systems. These vests meet specifications required by the Texas Department of Transportation (TxDOT) for highway construction and utility maintenance.

2. **GENERAL REQUIREMENTS**

Must meet ANSI/ISEA 107-2010 standard, Class 2, Level 2 requirements.

Vest Description:

- Background Material: Fluorescent yellow-green mesh
- Vest Style: Closed-sided (surveyor's style)
- Vertical Reflective Material: 4-inch wide, 3M Scotchlite Reflective Material 8474 or equal (1-inch wide fluorescent orange-red fabric trim on both sides of 2-inch silver retroreflective stripe)
- Horizontal Reflective Material: 2-inch wide, 3M Scotchlite Reflective Material 8910 or equal (2-inch silver retroreflective stripe)
- Vest Closure: Left side of vest overlaps right side of vest, with three Velcro fasteners (nominal 1-inch by 3-inch), spaced at least 4 inches apart
- Vest Sizes: Medium through 5XL

Placement of Reflective Materials:

- Horizontal Bands: Two horizontal bands that go all around the vest are required. The bottom of the lower stripe must be nominally 2 inches from bottom of vest. The bottom of the upper stripe must be at least 7 inches and no more than 9 inches from the top of the lower stripe.
- Vertical Bands: Two vertical bands are required, one across each shoulder. Each band must begin at the top of the upper horizontal stripe, travel over the shoulder, and end at the top of the upper horizontal stripe on the other side of the vest.

Special Notations: SAWS, at no cost to the manufacturer, may subject random units to testing by an independent laboratory for compliance with these specifications. Any visible defect or failure to meet the quality standards herein will be grounds for rejecting the entire order.