TABLE 7. SELECTION OF HIGH VISIBILITY CLOTHING

<table>
<thead>
<tr>
<th>Class</th>
<th>Type of Work</th>
<th>Traffic Speed</th>
<th>Typical Jobs</th>
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</thead>
</table>
| Class I| • Workers separated from approaching traffic  
          • Workers give their undivided attention to oncoming traffic          | Less than 25mph | Warehouse workers, sidewalk maintenance workers   |
| Class II| • Working near moving traffic  
          • Working during inclement weather  
          • Worker’s attention is occasionally diverted from traffic | Greater than 25 mph | Roadway construction workers, grounds crews   |
| Class III| • Workers must be seen from 1,280 feet and identified as a person  
           • Workers must focus all their attention on their work  | Greater than 50 mph | Emergency responders, accident site investigators, utility workers, survey crews, highway construction workers |

Background Material Color Selection

There are three color choices fluorescent lime-yellow, fluorescent red-orange and fluorescent red.

What to consider when deciding on fluorescent background color for high visibility garments:

1. Natural environment – to be visible the garment must contrast with the natural surroundings. All three of the Fluorescent colors are not typically found in nature, but things like red-orange blending in with fall foliage or lime yellow blending in with yellow flowers need to be considered. Fluorescent colors are effective in daytime and low-light conditions.
2. Work environment – to be visible in the work environment the garment must contrast with equipment, vehicles and surroundings. It is very important that workers be identified as people and not just another piece of equipment. What is the main color of your work zone? Do you need different identities within that work zone?
3. Retroreflective trim color, type, and pattern – retroreflective trim is required for low-light and nighttime visibility, but can also be used to provide daytime contrast and human definition.
4. Recognition factor – what is the easiest color to see? That depends somewhat on what people are conditioned to see (e.g. red fire engine) and on visual perception. Colorblind people tend to see the lime-yellow color better than red or red-orange. The current trend is to associate fluorescent lime-yellow with pedestrians (pedestrian crosswalk signs).
5. Visibility demonstration – the best way to determine the appropriate background color and garment design is to conduct a visibility demonstration in your work environment.