

TABLE 7. SELECTION OF HIGH VISIBILITY CLOTHING

Class	Type of Work	Traffic Speed	Typical Jobs
Class I	<ul style="list-style-type: none"> Workers separated from approaching traffic Workers give their undivided attention to oncoming traffic 	Less than 25mph	Warehouse workers, sidewalk maintenance workers
Class II	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.