

HIGH VISIBILITY SAMPLE RISK ASSESSMENT FORM

Work area environment and background

- Simple background Complex background Urban Rural Outdoor Indoor

Describe workplace conditions

- Poor separation from conflicting vehicle traffic.
 Work activity does not permit worker full and undivided attention to approaching traffic.
 Work activity diverts worker attention from approaching vehicle traffic.
 Work activity takes place in or near proximity to unimpeded vehicle traffic.

Vehicle/equipment speed

- Below 40 kph (25 mph) Exceeds 40 kph (25 mph)

Vehicle/equipment volumes

- Limited High volume Controlled traffic Uncontrolled

Existing safeguards

- Barriers Traffic control plans Traffic monitored

Notable hazards/exposures

- | | | |
|---|--|---|
| <input type="checkbox"/> Moving vehicles | <input type="checkbox"/> Moving equipment | <input type="checkbox"/> Pedestrian traffic |
| <input type="checkbox"/> Night work | <input type="checkbox"/> Low visibility | <input type="checkbox"/> Low/limited light |
| <input type="checkbox"/> Flame | <input type="checkbox"/> Electrical arc | <input type="checkbox"/> Temperature extremes |
| <input type="checkbox"/> Entanglement | <input type="checkbox"/> Limited sight lines | <input type="checkbox"/> Precipitation |
| <input type="checkbox"/> Blowing dust/smoke | <input type="checkbox"/> Fog/steam | <input type="checkbox"/> Other: _____ |

Risk Assessment. Based on recognition of hazards this activity is a:

- Low risk condition and environment
 Medium (moderate) risk condition and environment
 High risk condition and environment

SUGGESTED PERFORMANCE CLASS GUIDELINES AND SCENARIOS

Scenario A: For LOW RISK occupational activities such as where:

- full and undivided attention to approaching traffic is permitted
- ample separation of the pedestrian worker from conflicting vehicle traffic is provided
- optimum conspicuity in backgrounds that are not complex is permitted
- vehicle and moving equipment speeds do not exceed 40 kph or
- users are performing tasks that divert attention from approaching traffic

Examples of pedestrian workers who could work in this class can include:

- workers directing vehicle operators to parking/service locations
- workers retrieving shopping carts from parking areas
- workers exposed to the hazards of warehouse equipment traffic
- roadside "right-of-way" or sidewalk maintenance workers or
- delivery vehicle drivers

Suggested performance class: Class 2, Class 1 under certain conditions

Scenario B: For MEDIUM RISK occupational activities where risk levels exceed those in Scenario A, such as where:

- greater visibility is desired during inclement weather conditions
- complex backgrounds are present
- employees are performing tasks which divert attention from approaching vehicle traffic; vehicle or moving equipment speeds are between 40 kph and 80 kph or
- work activities take place in closer proximity to vehicle traffic

Examples of pedestrian workers in this class can include:

- roadway construction workers
- airport baggage handlers/ground crew
- parking and/or toll gate personnel
- law enforcement personnel
- utility workers
- forestry workers
- emergency response personnel
- railway workers
- accident site investigators
- survey crews
- school crossing guards

Suggested performance class: Class 2 or 3 based upon certain conditions

Scenario C: For HIGH RISK occupational activities where risk levels exceed those in Scenario B, such as where:

- workers are exposed to significantly higher vehicle speeds > 80 kph and/or reduced sight-distances; the worker and vehicle operator have high task loads, clearly placing the worker in danger
- the wearer must be conspicuous through the full range of body motions at a minimum of 390 m, and must be identifiable as a person or
- work activities are taking place in low light or at night-time

Examples of workers in this class can include:

- roadway construction personnel
- emergency response personnel
- road assistance/courtesy patrols
- utility workers
- flagging crews
- survey crews
- towing operators

Suggested Performance Class: Class 2 for daytime, Class 3 for low-light conditions

Note: these performance class guidelines and scenarios are to serve as an assessment tool only. Certain specific conditions such as atmospheric, sight/stop-distances, training, regulations, proximity, etc. must be taken into account in any final hazard/safety assessment. Vehicle speed should not be considered in isolation to these variables. Extreme conditions might exist which require performance levels in excess of Class 3.

PPE should be selected to optimize colour conspicuity between the wearer and the work environment.

Source: Sample risk assessment form, CSA Z96-15 (R2020), High-visibility safety apparel. © 2015 Canadian Standards Association. Please visit store.csagroup.org