January 2022

Conducting Road Safety Audits
Group Assignment 4: Identification of road safety risks

Background

The key deliverable of any road safety audit is the identification of the road safety risks, which includes the classification of each risk in terms of the risk rating system proposed in the RTMC's Road Safety Audit Manual. It is critical that all risks which could result in the fatal or serious injury crashes are listed. Minor risks should not be overlooked. The manner in which these minor risks needs to be reported should be discussed with the Client before submission of the audit report. Many minor risks are often associated with small design changes which can easily be rectified at no or limited cost to the project. Minor risks, which are overlooked, could in extreme cases have severe consequences.

When road safety risks are identified it is important to consider the road reserve, the road environment and context as well as all of the modes of transport which will make use of the facility. Remember the key questions when identifying the risks:

- "Who can be hurt in a crash on this part of the road/ project and how might that happen?"
- "Does the road environment convey the correct message to the road users?"
- "What can be done to reduce the potential for that crash, or to limit its consequences?"

Overview of assignment

Each group will receive a set of drawings for which a road safety audit needs to be conducted. Given the limited time available to complete this assignment, each group must peruse the drawings and documents provided and should identify 3 to 5 road safety risks. Describe the risk and classify the risk using the risk matrix as per the RTMC's RSM.

Format

Each team must prepare a PowerPoint Slideshow to illustrate the road safety risks observed. You should include the following slides:

1. Context (1 slide):
    - Provide a slide to provide context to the project which you audited, e.g. locality, key plan, layout etc.
2. Road safety risks (1 slide per risk identified), including
    - Copy of the drawing indicating the detail for which an audit finding was made.
    - Described the risk in words.
    - Classify the risk (Frequency, Severity, Risk Level)

Presentation

The findings of the audit must be presented on Friday. Each group will have approximately 10 minutes to present the risks which they identified.