

TTM Case Study – Micro Credential in TTM Risk Assessment

Level 4 – US33252/33253

Background & Context

This case study outlines the benefits to those who are considering undertaking study for the Connexis Temporary Traffic Management Risk Assessment micro credential through feedback provided by Chris Lacey an Advanced TTM Designer for Downer NZ.

The micro credential was undertaken to assist and upskill TMP designs moving into an NZGTTM framework where risk assessments and understanding are vital.

Prior to commencing the learning Chris was a TTM Designer with three years design experience, drafting TMP's under CoPTTM framework. During this time Chris also gained the TRSB-D Temporary Road Barrier design to further improve his skillset.

Learning Experience

From the beginning of the learning, Chris found the structure of the modules easy to follow with clear instructions on what was expected as learning outcomes.

The course material was found to have relevance with real life projects and allowed for immediate change in daily decision making when drafting TMP's.

The learning pace was found to be steady with flexibility around when modules could be completed. Chris found he could complete a module with around 1.5-2hours spare time allowing him to fit this around work schedules or moments of downtime, learning parallel with work demands.

The overall suitability is broad which allows for a new TTM designer through to experienced to enrol and begin completion. Newer learners may struggle with terminology and acronyms however the modules provided references if the learner is unsure.

Post Completion. What Changed?

Following completion of the micro credential Chris found he had increased confidence in reviewing TTM risk assessments and sound decision making. The knowledge gained allowed for clear identification and understanding of risks and hazards and how to apply controls or stacks of controls to mitigate risks. Through learning the hierarchy of controls, applying lowest total risk in alignment with Downers System of Controls framework became easier along with understanding of obligations of each party involved in design and delivery processes.

Practical examples of how learning has been applied:

- Peer reviewing Risk Assessments and providing clear feedback.
- Identifying risks earlier in planning or tender stages
- Supporting safer, more constructible outcomes on site, ability to offer higher level of control methods through knowledge gained.

Chris now finds as an Advanced TTM Designer, the knowledge learned is applied daily with TTM Designers seeking advice. He also finds that his capabilities are enhanced within own tasks such as the development of the second version of Downers National TM Framework.

