

TLT 127 – CRITICAL STRUCTURAL CONSTRUCTION ISSUES

Purpose:

To provide strategies to avoid or address common critical issues during structural construction projects.

**** Please note: This is not an introductory level course. To benefit most from this course, you must be familiar with structural construction contracts. ****

Learning Outcomes:

1. Identify construction practices and problem tendencies
2. Apply strategies to circumvent issues
3. Evaluate methods to remediate the problem

Target Audience:

Consultants and MTO Staff administering or inspecting a structural construction project in the upcoming season such as: Contract Administrators, Contract Service Administrators, Inspectors, Contract Services Inspectors, Contract Services Administrators, Quality Assurance Engineer, Quality Assurance Officer, Area Contract Engineer, Structural section staff and any Engineering Intern or Transportation Technician acting in the above positions

Course Objectives:

This course prepares operations and consultant staff for structural construction projects. After completing this course, attendees will be able to:

1. Identify common issues/risks and apply strategies to circumvent them.
2. Assess equipment, materials, and construction methods
3. Differentiate between effective construction practices and potential issues
4. Identify the key requirements of specifications and evaluate contractor submissions

Topics:

◆ Concrete Materials ◆ Precast/Pre-stressed Concrete ◆ Structural Steel ◆ Expansion Joints
◆ Reinforcing Steel ◆ Working Drawings ◆ Structure Rehabilitation ◆ Foundation Engineering

Methodology: Webinar featuring lecture, presentations, practical exercises, and case studies.	Pre-Requisites: (none) Materials: workbook	Pre-Course Work: Pre-Course questions
---	---	---

**NOTE: This is a 5-day course with a final exam on the last day.
Participants must be able to attend all 5 days.**

For further information please contact: TLT@ONTARIO.CA