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**IDENTIFYING , EVALUATING AND MANAGING RISKS**

**DESCRIBE THE WORKS LIKELY TO BE PERFORMED:**

**1. IDENTIFY AND DESCRIBE THE RISK:**

Likelihood of Risk Occurring: Unlikely  Likely       Severity of Risk Should it Occur: Mild  Moderate  Major

**LIST IMPACTS/CONSEQUENCES/BENEFITS:**

**ACTION AND RATIONALE:**

**2. IDENTIFY AND DESCRIBE THE RISK:**

Likelihood of Risk Occurring: Unlikely  Likely       Severity of Risk Should it Occur: Mild  Moderate  Major

**LIST IMPACTS/CONSEQUENCES/BENEFITS:**

**ACTION AND RATIONALE:**

**3. IDENTIFY AND DESCRIBE THE RISK:**

**Likelihood of Risk Occurring:** Unlikely  Likely       **Severity of Risk Should it Occur:** Mild  Moderate  Major

**LIST IMPACTS/CONSEQUENCES/BENEFITS:**

**ACTION AND RATIONALE:**

**4. IDENTIFY AND DESCRIBE THE RISK:**

**Likelihood of Risk Occurring:** Unlikely  Likely       **Severity of Risk Should it Occur:** Mild  Moderate  Major

**LIST IMPACTS/CONSEQUENCES/BENEFITS:**

**ACTION AND RATIONALE:**

<b>Legend:</b>	
<b>Likelihood of Risk Occuring:</b>	Could it occur or has occurred at some time in the past?
Unlikely	Could occur at some time but unexpected.
Likely	Is expected to occur or will probably occur in most circumstances.

<b>Severity of Risk Should it Occur:</b>	
Mild	Consequences are minimal or the cost of managing them outweighs the status quo.
Moderate	Consequences that would threaten the efficiency and/or effectiveness of some aspect of the process and would have financial impact.
Major	The consequences would severely undermine the continued effective function of the process or could have extreme financial consequences.

**Additional Comments**

**Project Director/Manager**

\_\_\_\_\_  
Name (please print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## SOME QUESTIONS TO ASK:

Is there the potential for:

**Lawsuits** brought by anyone who claims to suffer loss caused by an Engineer's negligent professional error or omission.

**Lawsuits** brought by anyone who claims to suffer loss caused by an Engineer's negligent non-professional error or omission.

**Loss to Ministry Property** include damages to property owned by the Ministry.

**Loss to a Third Party** include property damage, bodily injury and death to a party other than the Ministry or the engineer.

**Human Asset Losses** include injury or death to employees.

## TYPICAL LOSS EXPOSURES TO BE CONSIDERED WHEN EVALUATING PROFESSIONAL SERVICES INCLUDE:

### **Incorrect Design or Analysis May Cause A Potential Loss**

- has the ministry provided adequate design criteria and has the consultant designed to them;
- incorrect design specifications;
- the wrong strength/tension of cables;
- incorrect spacing of cables;
- incorrect assessment of slope stability causing slides and/or rock slides;
- incorrect analysis of soil content;
- incorrect drainage design causing flooding to adjacent property;
- incorrect signal installations at junctions;
- incorrect concrete mix design;
- incorrect assessment of environmental issues which may cause damage to the environment such as spawning activities;
- will the design alter the flow of rivers, creeks, streams, or brooks?
- if the flow is altered what are the expected exposures?

### **Possible Interaction with Third Parties**

- Is there a chance that the engineer will be interacting in ANY way with third parties (the public)? If not, then no risk would likely exist for NON-professional loss to third-parties. Whether the engineer is working on-site at the Ministry isn't the sole question as injured employees would be covered under WCB. The question is whether there is risk to the Ministry that loss may occur to a third party as a result of this initiative. Typical interactions may include:
  - Meetings with non-Ministry staff
  - Non-telephone conducted surveys
  - Travel
  - Work outside of the Ministry Office or Engineer's home

## Note:

**Professional Liability Insurance** provides protection against lawsuits brought by anyone who claims to suffer a property damage loss caused by **A NEGLIGENT ACT, ERROR OR OMISSION**, for example:

- a professional engineer may commit an act which a reasonable person in that profession **would not do**, such as certifying that a stringer meets a specific strength without the supporting documentation and information to ensure that it meets those criteria.
- a professional engineer may fail to commit an act which a reasonable person in that profession **would do**, such as failing to ascertain the strength of a stringer before certifying that the stringer meets a certain strength.

**Comprehensive General Liability Insurance** provides protection against lawsuits brought by anyone who claims to suffer bodily injury, death or property damage. The bodily injury, death or property damage must be accidental in nature and must be due to the engineer's **negligence** when carrying out an event, or failing to carry out an event.