

DESIGN BULLETIN #101/2018

ENVIRONMENTAL RISK ASSESSMENT

This bulletin is issued to provide information with respect to an update to *ENGINEERING CONSULTING GUIDELINES FOR HIGHWAY, BRIDGE, AND WATER PROJECTS VOLUME 1 – DESIGN AND TENDER 2011 Section 4.5 Environmental Risk Assessment*.

The Consultant shall complete a project Environmental Risk Assessment as part of the detailed design work for all projects. These assessments shall identify environmental sensitivities that must be addressed in the Contractor's ECO Plan. Environmental Risk Assessments shall be discussed with the Project Administrator and incorporated into the tender package, contract bid items, and special provisions as required. The Environmental Risk Assessment must be completed to the satisfaction of the Project Manager.

There are new requirements resulting from this update that the Consultant must fulfill. Each item below must be addressed within the assessment including identification of those items below that are Not Applicable. In select cases the Consultant may need to identify detailed mitigations for Contractor implementation. These mitigations will be incorporated in the tender package, contract bid items, and special provisions as required. The Consultant shall sign and date the Environmental Risk Assessment.

Items include:

- A list of all relevant provincial/federal legislation that applies and a list of permits/authorizations that have been issued for the project.
- Summarize the environmental sensitivities as identified in the Environmental Assessment/Evaluation documents (where they exist) and/or supplemental reports. This includes:
 - Identification of provincial/federal listed wildlife species known to frequent the project area.
 - Identification of migratory bird species known to be present within the project area.
 - Identification of provincial/federal listed aquatic species known to frequent the area.
 - The location of provincial/federal listed vegetation species known to exist within the project footprint.

- The location of all wetlands within the project footprint. Those wetlands that are not to be disturbed must be clearly highlighted.
- The location of groundwater wells, natural springs, and areas of high groundwater tables.
- The location of watercourses and water bodies within the project area. This shall include the provincial watercourse classification and associated Restricted Activity Periods.
- A summary of the borrow pre-disturbance assessment.
- A summary of the soil stripping plan.
- Whirling Disease requirements.
- A summary of the weed survey.
- Identification of Clubroot infected areas through consultation with Alberta Agriculture and Forestry and the local Agricultural Fieldmen.
- Highlight known site contamination.

The Consultant shall report on the Contractor's implementation of the environmental mitigation measures as identified above. The reports shall be in checklist form and must be submitted monthly during periods of active construction activity.

Effective Date:

The guidelines as indicated in this Bulletin are to be implemented immediately as per the usual practice.

Original Date: November 1, 2018.

Contact:

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Recommended:

Approved:

Darren Carter.
Director,
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