

Client Project Submission Form

To be submitted to Instructor: Stephen Bruneau, sbruneau@mun.ca, 864-2119

Civil Engineering Design Course ENGI - 8700
Memorial University
Faculty of Engineering and Applied Science
St. John's NL, Canada A1B 3X5



CLIENT

COMPANY Gov. of NL, Department of Transportation and Works **address** 6th Floor Confederation Building, West Block

Client Engineer Lloyd Osmond, P.Eng **phone** 729-1354 **email** lloydosmond@gov.nl.ca

Alternate Contact Doug Power, P.Eng **phone** 729-6508 **email** powerd@gov.nl.ca
(at least one P.Eng)

Proposed Project Title

Traverse Brook Bridge Replacement

Description of Project

The project will include the design of a 30 meter span pre-stressed concrete girder bridge. The structure will be supported on shallow foundations on
bedrock, and both the deck slab and barrier wall will be designed with Glass-fibre-reinforced polymer reinforcing.

Requirement of Student Group

The student group will be required to layout the geometry of the structure in accordance with the Transportation Association of Canada's guidelines,
as well as analyze and design the structure in accordance with the Canadian Highway Bridge Design Code (CSA S6-06). This includes the shallow
foundations, pre-stressed girders, deck slab and barrier walls. The student group will be required to submit a full set of design notes as well as a detailed
set of design drawings.

COMMENTS, CONDITIONS, RESTRICTIONS QUESTIONS