

## Education

Memorial University of Newfoundland – B. Eng, Civil Engineering, 2003

## Registrations

Professional Engineer – Province of Alberta

## Experience Summary

While attending Memorial University, Mr. Hussey successfully completed various co-op work terms with the Department of Works, Service and Transportation (both works and transportation departments), Canadian Coast Guard (DFO), Design Management Group Limited, and the City of Mount Pearl. After completing a Civil Engineering Degree with Memorial University, Mr. Hussey began his career with Beairsto Lehnrs Ketchum Engineering Ltd. Since joining Beairsto Lehnrs Ketchum, Mr. Hussey has been actively involved with the preparation of design drawings and design reports as well as looking after the construction of many municipal developments throughout the Grande Prairie area. These developments include residential and commercial/industrial subdivisions in both rural and urban settings. In addition to land development Mr. Hussey is also responsible for the design of site-specific retaining walls.

## Representative Projects

**Copperwood – Developer (Elaborate Development) – Municipality (City of Grande Prairie).** The Copperwood project involves the development of 160 acres into a residential community within the City of Grande Prairie. This project included the preparation of engineering design reports such as Storm Water Management Concept, Sanitary Sewer Concept, and Traffic Impact Analysis. The initial phase of the development was constructed during the summer of 2007. This phase involved the construction of offsite utilities such as the extension of the 88<sup>th</sup> Street sanitary trunk main and construction of the initial two lanes of the future 116<sup>th</sup> Avenue arterial. All plans for the offsite and internal road, water, sanitary sewer, and storm sewer were completed and approvals from the governing bodies secured.

**Commonwealth Avenue Traffic Study – City of Mount Pearl.** While working with the City of Mount Pearl, Mr. Hussey was responsible for the data collection and analysis of five intersections along Commonwealth Avenue, one of Mount Pearl's major roadways. This report involved the coordination and summarization of numerous traffic counts, a level of service analysis (LOS) of each of the of the intersections for peak hours, a LOS analysis for future traffic growth and city expansion, and the preparation of recommendations and conclusions for required upgrades.

**Rural Roads within the County of Grande Prairie – Developer (Various) – Municipality (County of Grande Prairie).** Numerous county residential subdivisions required the construction of rural road for access. These projects involved the preparation of detailed engineering design drawings and the supervision of construction and all approvals from the County secured. In addition, these projects also involved the hydrological analysis of the drainage basin and a design for subsequent storm water management concept.

**Minhas Correction Line – Developer (Minhas Brothers Trucking) – Municipality (County of Grande Prairie).** Responsible for Coordinating with Alberta Transportation and the County of Grande Prairie to ensure access to the development was completed to required standards, and a timeline for additional improvement identified. The accesses required the application of Alberta Transportation Guidelines to determine the required intersection types. In addition, a supplement to the Traffic Impact Analysis was completed since ownership of the secondary highway will potentially shift to the County. This supplement identified intersection treatments for both Alberta Transportation and the County.

**Retaining Walls – Developer (various) – Municipality (Various).** In 2007 Mr. Hussey became certified by Alan Block for the design of various landscaping and structural retaining walls. These projects involve the design and construction of retaining walls using various Alan Block Products.

#### **Courses**

- Epic – Traffic Implications of Land Development
- Alberta Construction and Safety Association – Alberta Temporary Traffic Control
- Petroleum Industry Training Service – H2S (Hydrogen Sulphide) Training
- St. John Ambulance – First Aid (First on the Scene)
- Alberta Low Impact Development Partnership Conference

#### **Work related Computed Programs**

- Syncro and SimTraffic
- XPswmm
- AutoCad (2008)
- Eagle Point (2007)