

**ROADWAYS
GEOTECHNICAL REPORT
MINIMUM REQUIREMENTS**

Based on the findings of the geotechnical consultant's field and laboratory investigations, the consultant will present our opinions and recommendations regarding the following:

- Geologic setting of site, the effects of the site geologic conditions and potential hazards on the proposed construction as well as means to mitigate such hazards
- Subsurface soil conditions including depth to, and consistency of, cemented deposits or bedrock, if encountered
- Groundwater levels as observed during field work, excluding quantitative determinations of flow or dewatering rates
- Site grading recommendations including a discussion of anticipated excavation requirements, stability of temporary construction excavations, treatment and/or removal of unsuitable bearing soils, if encountered, and suitability of on-site material for use as structural fill
- Construction considerations including equipment mobility, excavatability of subsurface soil and/or bedrock deposits, processing of excavated soils, etc.
- General recommendations for residential foundation design and construction
- Support of concrete slabs-on-grade and roadway pavement
- Design and construction of roadway pavement sections(s) based on traffic loading provided by the City
- Moisture protection and surface drainage
- Corrosive soil conditions
- Construction observation and testing

The consultant will present his/her opinions and recommendations in a formal report, complete with logs of the explorations and laboratory test results. Three copies of the report are to be submitted.

Common/roadways.doc