



# Example of Highways Engineer Job Description

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Our company is looking to fill the role of highways engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

## Responsibilities for highways engineer

- Providing technical guidance to subordinate staff and co-workers
- Participating in conceptual, preliminary, and detailed design activities, including engineering analysis and design to support activities for road and highway projects, including grading, drainage, traffic staging, pavement marking and signage, and underground utilities
- Preparing engineering drawings for road construction projects using AutoCAD and Microstation
- Coordinating project drawings with project managers, project engineers, and other technical staff
- Completing quantity calculations
- Preparing engineering documents such as design criteria, technical memoranda, and technical design reports
- Being accountable for engineering designs completed under your direct involvement and supervision, through stamping of drawings
- Assisting in proposal preparation for such public-sector transportation engineering projects in the GTHA and elsewhere
- Reporting to the Project Manager, you will lead a team of engineers and technicians working on a variety of projects
- You will be responsible for the preparation of feasibility studies, scheme reports, scheme design for highways, drainage, flooding and a variety of other projects

## Qualifications for highways engineer

- Minimum 6-10 years of experience in highway design in a consultant environment
- Strong organizational skill and proficiency in both oral and written communication in English
- Self-starters, able to work with minimal direction and ability to work in an interactive team atmosphere
- Familiar with the TAC and Ministry of Transportation Ontario Manuals, design standards and guidelines