

**PROJECT REFERENCE DATA SHEETS**

**Project Name** ▶ Station Revitalization Project, Toronto (ON)

**Client/Owner** ▶ Client Yr. ▶ --

**Design Cost** ▶ -- **Contract Cost** ▶ --

**Description of Work:**

The Station Revitalization Project is a major project that has been undertaken. The complete project included three (3) major tasks which were the relocation of a main combined sewer line, the addition of the second platform at the Station Stop and the addition of a new basement level below the existing basement structure in the Main Historical Station Building.

CSE was retained as the primary Shoring Engineer for the design and monitoring of temporary shores to support the existing columns. As the existing columns were shored, the existing columns were removed, the soil excavated to the new foundation level, new footings and a new column installed, and finally the shoring removed to mobilize the new columns. This work has to be undertaken in small stages and the project extended over a four (4) year period.

CSE's responsibilities included co-ordination with other trades (geo-foundations) for the foundation portion of the shoring, the design of the shoring system, the design of the pre-loading of the shores, monitoring the pre-loading, preparing reports, and the final release of the shoring after the new columns were in place.

This project was very challenging and required a high level of expertise which CSE has completed without any incident, any concerns by the client, and in a timely manner.

**FIGURE/PHOTO**

