

**PROJECT REFERENCE DATA SHEET**

|                       |  |                      |      |
|-----------------------|--|----------------------|------|
| <b>Project Name</b>   | ▶ Existing Condition Review Assessment | <b>Year</b>          | ▶ -- |
| <b>Client / Owner</b> | ▶ Client                               | <b>Contract Cost</b> | ▶ -- |
| <b>Design Cost</b>    | ▶ --                                   |                      |      |

**Description of Work:**

Carvajal Structural Engineers Inc. (CSE) was retained to perform a structural condition assessment for three (3) existing buildings / structures which were to be re-purposed to form part of a new transit project. The required scope of work varied for each building location, based on the reuse and modification of the original structures as contemplated in the reference concept designs.

Services included a review the original structural drawings, existing inspection reports, and other related documentation, followed by a complete structural analysis of the buildings. The analysis had to take into account the Ontario Building Code (OBC) requirements. CSE also performed a visual evaluation of the existing building, concurrent with the structural analysis, in order to provide an estimated assessment of the remaining service life of the structural elements.

This project required that we perform non-destructive testing of structural elements, to include delamination testing, a concrete cover survey, a concrete compression and rebound hammer test, and a corrosion activity test. The results of these tests were presented in a report format, including a graphic mapping of the test findings onto building drawing layouts.

**Figure/Photographs:**

