

Project:

Underground Garage Repairs
and Ramp Enclosure

Client:

Metropolitan Toronto Housing
Authority
Etobicoke, Ontario



Description:

The project commenced with a structural, mechanical and electrical evaluation of the existing underground garage. A complete survey was undertaken resulting in recommendations for repairs complete with cost estimates.

The garage roof slab was found to be deteriorated and requiring significant repairs to the concrete and replacement of the waterproof membrane. This also entailed removal and replacement of roadway, paths and other landscaping features.

The intermediate floor slab had also deteriorated. Repairs were required, including removal and replacement of all delaminated concrete and replacement of the traffic bearing membrane.

New ramp and stair enclosures for improved security were designed so that they did not result in overload to the existing structure. Lighting, fire safety systems and sprinklers were extended to service the new enclosures.

Byrne Engineering Inc. conducted the initial investigation; prepared contract documents for the work, assisted the Housing Authority to obtain competitive tenders for the work and provided technical review of the work during construction.