

Bank of Montreal Foundation Wall Restoration

Project: Bank of Montreal Barton and James Street

Location: Hamilton, ON

Client: Bank of Montreal

Completion: February 2007

Background:

The Bank of Montreal branch located at Barton and James street in Hamilton, ON is situated in a building consisting of an old limestone and mortar foundation wall. Overtime the mortar in the wall degraded and weakened to the point that the wall had begun to collapse.

Advanced Concrete Solutions was contacted to assess the wall condition. Due to the structural integrity of the wall, Advanced Concrete Solutions consulted with a structural engineering firm who designed a repair sequence. ACS was then awarded the contract and constructed a new steel reinforced concrete wall poured adjacent to the existing wall.

Scope of Work:

- shoring of the existing wall
- removal of all loose and degraded stone and mortar
- epoxy injection of all existing cracks in the wall
- removal of the existing floor and soil excavation to make way for new footings
- installation of underpinning and new footings with rebar reinforcement
- installation of rebar reinforcement for new wall
- form and pour a new one sided concrete wall measuring 13m x 0.3m x 2.7m
- application of an epoxy coating to the existing floor
- apply paint to newly poured wall

ACS completed all work safely and successfully during normal work hours with no interruptions to client services on the floor above.

