

## AECON CIVIL & UTILITIES

Aecon Construction and Materials Limited

## 407 ETR WIDENING FROM HIGHWAY 427 TO HIGHWAY 400

### CLIENT:

407 ETR Concession Company Limited

### ENGINEER:

SNC – Lavalin Engineers & Constructors

### CONTRACT VALUE:

\$6.6 million

### PROJECT LOCATION:

Hwy 407 from Hwy 427 to Hwy 400

### CONSTRUCTION PERIOD:

November 2005 – August 2006



### PROJECT DETAILS:

Contract No. C4-2005 – Advance median widening of six (6) Hwy 407 structures (two each for Rainbow Creek, Humber River, and Hwy 400/407), one lane in each direction. The construction includes grading for structure approaches and temporary access roads, drainage adjustments to account for widened structure abutments, and hot mix paving.

Specific structure widening components include removal of existing median barrier walls and tops of wing walls, partial removal of existing bridge deck and approach slabs, abrasive blast cleaning of exposed reinforcing steel, provision of a dewatering system for footing construction, installation of roadway protection, track protection, additional scour protection, construction debris protection, and provision of embedded median barrier ducts for possible future use.

Scope of work includes:

- centre span girders over Humber River to be spliced and post-tensioned on-site prior to erection
- precast girders being used on Rainbow Creek Bridge
- Highway 400 / 407 – both decks are voided, post-tensioned, cast-in-place additions, one lane wide in each direction

