

Assignment Name: Stormwater Design Support for the New Runway & Terminal Expansion		ID#: 28
Country: Canada Location within Country: Alberta	Approx. value of the contract: USD \$2 million	
Name of Client: Calgary International Airport (YYC).	Approx. value of the professional services provided under the contract: US\$ 450,000	
Address:	Total No. of staff-assigned to Project: 7	
Start date (month/year): January 2005	Total No. of staff-months of the assignment: 15	
Completion date (month/year): December 2006	Duration of assignment (months): 24	
<u>Narrative description of Project:</u> Design and construction supervision of the 6 hectare surface parking extension to YYC.		
<u>Description of actual services provided by professional engineering staff within assignment:</u> The services included the following: a. Create a digital surface and stormwater model to consider any changes to existing conditions (drainage areas contributing, runoff values, elevations of contributing areas and associated ditch / pipe network etc.); b. The additional design areas would include any new parking areas, changes in the road network and changes in the contributing areas due to road design changes; c. Surface designs allowed for surface flooding whereby the parking area was used as the attenuation area for localized flooding; d. Discharge into the existing stormwater pond, and resizing of the pond to accommodate future known development.		
<u>Description of Activities provided by RWI</u> Led the design team and provided oversight to the Resident Engineer managing the construction phase. Completed the project without interruption of existing traffic flow and airport parking operations.		

