

# PROJECT PROFILE

## CARNWITH BRIDGE

SRM Associates was retained to design a new road alignment for Carnwith Drive in the Village of Brooklin from Way Street easterly approximately 250m. The crossing of the curvilinear alignment over Lynde Creek required a 21.5m single span precast concrete box beam bridge with integral abutments. Environmentally, the bridge had to accommodate an endangered fish species; Redside Dace. Features such as vegetated buttresses, bioengineered slope protection and ensuring the abutments were well back of the streambanks, were employed in cooperation with staff of the Central Lake Ontario Conservation (CLOC). To improve the character of the area, with new housing developments nearby, a developer, in cooperation with the Client, funded improving the aesthetics of the concrete parapet walls. A combination of form liners, reglets, panels, columns, column caps and powder coated handrails were designed with striking results.



<b>CLIENT</b>	Town of Whitby: Suzanne Beale, P.Eng. (905) 430-4307
<b>LOCATION</b>	Carnwith Drive over Lynde Creek Village of Brooklin
<b>STATUS</b>	Completed in 2006
<b>VALUE</b>	\$950,000.00
<b>KEY STAFF</b>	John Semjan, Darrell Goudey

