

# THE FIFTIES & SIXTIES

## A NEW APPROACH TO TRANSPORTATION

The Company's first decade saw it involved in a number of mega-projects typical of the time, including Canada's first subway in Toronto, the Trans-Canada Highway and the Queensway Expressway in Ottawa.

## GOING INTERNATIONAL

The 1960's were typified by growth through expansion of Canadian offices from Newfoundland to Alberta, and the first overseas engineering projects. As the decade unfolded, overseas operations became an ongoing and vital part of the business.

*The following timeline pages highlight just a sampling of the many projects worked on and Corporate milestones achieved by Delcan over the past 50 years.*

<p>1950 - 1953</p>	<p>De Leuw Cather's operations in Canada managed from Chicago →</p>  <p>De Leuw Cather Canada incorporated December 31st, 1953</p>  <p>Office opened at 52 St. Clair Avenue East Toronto, Canada</p>		<p>1961</p>	<p>In Toronto, work begins to widen Highway 401 to 10 lanes Ontario, Canada →</p>	
<p>1954</p>	<p>Toronto Subway King to Eglinton opens Ontario, Canada →</p>		<p>1962</p>	<p>GO Transit Rail Network Initial Studies Ontario, Canada →</p> <p>Manchester Rapid Transit Study, UK</p>	
<p>1956</p>	<p>Lakeshore (now the Gardiner) Expressway Toronto, Canada →</p>		<p>1963</p>	<p>1st overseas project in Ethiopia →</p>	
<p>1957</p>	<p>Ottawa Queensway Ontario, Canada →</p> <p>University Avenue Subway Studies Toronto, Canada →</p>		<p>1964</p>	<p>Projects in Tanzania, Paraguay and Guyana →</p>	
<p>1958</p>	<p>Sewerage Tunnels Ottawa, Canada →</p>		<p>1966</p>	<p>Edmonton Freeways Alberta, Canada →</p>	
<p>1959</p>	<p>Trans-Canada Highway projects Newfoundland, Canada →</p>		<p>1967</p>	<p>Overseas Office (later DELCANDA International) Ottawa, Canada →</p> <p>Rosedale Valley Subway Bridge Toronto, Canada →</p>	 

# THE SEVENTIES

## CHANGE AND EXPANSION

During the 1970's, despite frequent recessions and a growing move to more in-house engineering by governments, the Company expanded: geographically to the U.S. and overseas, and by broadening disciplines and offering more services, such as hi-tech systems engineering.

1971	Forestry Road Standards for Weyerhaeuser Company Tacoma, Washington, USA →		1976	Housing Master Plan Study Nicaragua, Central America →	
	Highway 427 Interchange Design Toronto, Canada →			1977	Langley Storm Sewers British Columbia, Canada →
1972	Ring Road Studies for Calgary and Edmonton Alberta, Canada →		1978		The Company celebrates 25 years of operations →
	Construction Management Washington Metro Subway Washington, DC, USA →			Construction Supervision 7,000 Miles Secondary Roads Kenya, Africa →	
1973	MAGLEV implementation study Toronto, Canada →			1978	640 km Unica-Sucre-Muyupampa Highway in the High Andes Bolivia, South America →
	La Paz - Puerto Salinas Bolivia, South America →		1979		Delcan name adopted →
1974	Design and Construction Major Housing Development, Democratic Republic of the Congo (formerly Zaire), Africa →			1979	Calgary LRT Alberta, Canada →
1975	Surface Noise and Attenuation Study Alberta, Canada →		1980		Acquisition of Willis Cunliffe Tait →
	First Phase Union Subway Station Expansion Toronto, Canada →			5 year Design Contract Thunder Bay Forest Access Roads Northern Ontario, Canada →	

# THE EIGHTIES

## DECADE OF GROWTH

With the expansion of core disciplines, the acquisition of companies to strengthen those disciplines and the advent of computerized technology, the 1980's was both a decade of growth and change. By this time, three other companies had been formed in the U.S., including National Engineering Technology Corporation (NET).

1981	Annacis Island Bridge Vancouver, British Columbia, Canada →			US office opened in Chicago →	
1982	Municipal Traffic Control Systems throughout Southern Ontario, Canada →		1987	Coldspring Transit Garage, NET's 1st contract Buffalo, New York, USA →	
1983	GO-ALRT Program Toronto, Ontario, Canada →  Municipal Traffic Control Systems, Brantford, Waterloo, Durham Regions, Canada  NEW Maseru International Airport Lesotho, Africa →  Scholarship Program for children of employees initiated	 	1987	Caribbean Airports Project →  Northumberland Strait Crossing Prince Edward Island, Canada →	 
1984	Malvern Bus Garage Toronto, Canada →  Enderby VOR Navigational Aid Station Northern British Columbia, Canada →	 	1988	Highway 401 COMPASS Freeway Traffic Management System Toronto, Canada →  Provincial Transportation Planning Review, analyzing 7 modes of transportation: Air, Coastal, Ferry, Ports, Rail, Transit and Highway British Columbia, Canada →	 
1985	Infrastructure Management Services (IMS) - Pavement Management Canada and USA →  Construction Management, Banda Aceh to Meulaboh Highway Indonesia →	 	1989	Redhill Creek Expressway, Hamilton, Ontario, Canada →  Massey Tunnel, Vancouver Traffic Counterflow System British Columbia, Canada →	 
1985			1990	York Boulevard High Level Bridge Hamilton, Ontario, Canada →	

# THE NINETIES

## A TECHNOLOGY COMPANY

With technology and management services offering more scope for both innovation and growth, the Company's shift to technology-based services in an increasingly competitive environment was inevitable.

1991	Tate's Cairn Tunnel, Traffic Control and Surveillance System Hong Kong →		1995	Wastewater Treatment Plants Venezuela →	
	Dundas Street, Bridge Trenton, Ontario, Canada →			York Region Centralized Traffic Control System Ontario, Canada →	
1992	Wynford Tunnel, Don Valley Parkway Toronto, Canada →		1996	Humber Pedestrian Bridge Toronto, Canada →	
	Let's Move/RTEP/Sheppard Subway Program begins Toronto, Canada			New Hong Kong Airport Traffic Control and Surveillance System Hong Kong →	
1993	Izmit Bay Bridge, Turkey		1997	Tel Aviv Metropolitan Mass Transit System Starts Tel Aviv, Israel →	
	CFTA Meaford Land Reserve Modernization Project Ontario, Canada →			TWD Road Maintenance formed	
1994	Northridge Earthquake in California results in creation of Caltrans Emergency Traffic System, USA →		1998	QEW Design-Build Niagara Region Ontario, Canada →	
	Traffic Control and Surveillance System Lantau Fixed Crossing Hong Kong →			Wastewater Treatment Plant Chemainus, British Columbia, Canada →	
	Independent Agent for Highway 407 Toronto, Canada →			Independent Agent for Fredericton-Moncton Toll Highway Project Prince Edward Island – New Brunswick, Canada	
	Independent Agent for Highway 407 Toronto, Canada →			Sun Yat-sen Freeway Ramp Metering System Taiwan →	
	NCHRP Bridge Management System USA →			Caltrans Traffic Operations Centre Los Angeles, California, USA →	

# THE NEW MILLENNIUM

## A NEW PARTNERSHIP

The dawn of the new millennium brought further changes and growth for Delcan. But perhaps the most significant change of the new decade was in May 2002, when DHV, a 4,000-strong Dutch consultancy, bought a 40% ownership in Delcan.

2000	Caltrans District 7's Transportation Management Center (TMC) Upgrade California, USA →		2003	Gateway Program Owner's Engineer role for 3 major new highways and 2 high clearance long-span crossing bridges British Columbia, Canada →	
	Humber Bridges completed Toronto, Canada →			Atlanta - Metropolitan Intelligent Transportation System Integration & Navigator System Integrator Contract Georgia, USA →	
	Wastewater Treatment Plant Margarita Island, Venezuela →			Tacoma Narrows Bridge Compliance Audit Services (CAS) for a new suspension bridge and associated freeway improvements, Tacoma, Washington, USA →	
	Vancouver Traffic Signal Management System British Columbia, Canada →			Illinois State Toll Highway Authority (ISTHA) Traffic and Incident Management System (TIMS) Illinois, USA →	
2001	Denver Transportation Expansion Project (T-REX) Compliance Audit Services (CAS) for planned highway and LRT improvements Colorado, USA →		2004	Kansas City Advanced Traffic Management System (ATMS) Missouri, USA →	
	Queenstown Border Crossing Ontario, Canada →			December 31, 2003 Delcan•NET celebrates 50 years of operation	
	The Walkerton Inquiry Commission Ontario, Canada →			Regional Integration of Intelligent Transportation Systems (RIITS) Los Angeles, USA →	
2002	Union Station Rail Corridor Infrastructure Improvement Program Toronto, Canada →		2005	OPIR, water system optimization software Waterloo & Grimsby, Canada →	
	Oregon Department of Transportation (ODOT) Advanced Traffic Management System Oregon, USA →			FasTracks, \$4.7 billion transit improvement Regional Transit District, Denver, USA →	
2006			2006	June 2006 DELCAN•NET integrates global services under one common banner - Delcan →	