

Experts

Prime Consultant
URS Canada Inc.

URS Canada is part of URS Corporation, a fully integrated engineering, construction and technical services organization with the capabilities to support the full project life cycle—from inception to construction and operation through maintenance and rehabilitation. By engaging its highly qualified staff of engineers, planners and technicians, URS provides a full range of civil planning and design services including significant expertise in transportation system expansion and development of new highways, expressways, urban freeways, complex interchanges, toll roads, bridges and tunnels. In Ontario, URS Canada is a recognized leader in environmental assessment, transportation planning and design of the most complex and extensive projects in Ontario. The firm has experience in all project development phases from concept planning to construction on the busiest and largest highways, roads and transit lines in Ontario. URS Canada leads multidisciplinary teams and works with all stakeholders to develop alternatives and recommend plans for the movement of people and goods.

URS is the recipient of awards and honours, and has worked on the following significant surface transportation projects including:

<p>11400 South Roadway Improvement Environmental Impact Statement URS Salt Lake City was awarded the Grand Award for Engineering Excellence from the American Council of Engineering Companies-Utah in 2006 for their work on the Environmental Impact Statement.</p>	<p>Highway 404 Extension URS completed an Individual Environmental Assessment for a 50 km freeway extension and has also completed the Preliminary Design and Class Environmental Assessment for the first 10 km which is now under construction.</p>
<p>A21 Lamberhurst Bypass URS was the United Kingdom Highway Agency's Design Engineer for the \$24 million, A21 Lamberhurst Bypass project, which opened in March 2005 to wide acclaim and has been described by Transportation Professional magazine as "highway engineering at its best".</p>	<p>Arapaho Bridge In 2002, the town of Addison, Texas held a design competition for a signature bridge over Midway Road that would contribute to the town's uniqueness and character. URS won the competition with their design with a graceful design of blue, tubular steel crafted into a true arch bridge</p>
<p>Brooklyn-Queens Expressway Rehabilitation URS designed the reconstruction of 1.6 miles of the Brooklyn-Queens Expressway (BQE), previously known as the most dangerous corridor in New York City, and is providing ongoing construction services.</p>	<p>Garden Grove Freeway Reconstruction URS is the lead designer on a design-build team for the \$400 million reconstruction of State Route 22 in Orange County, California. SR-22, also known as the Garden Grove Freeway, is an east-west route linking five major freeways.</p>
<p>Kap Shui Mun Bridge URS was lead designer in the design-build consortium for the award-winning, precedent-setting Kap Shui Mun Cable Stayed Bridge and Ma Wan Viaducts, linking Hong Kong/Kowloon and the new Hong Kong International Airport.</p>	<p>Pennsylvania Turnpike Reconstruction In 2000, URS successfully completed management of the first full-depth reconstruction of the country's first toll road, the Pennsylvania Turnpike.</p>
<p>US 70 Hondo Valley Highway URS is acting as lead designer for New Mexico's first design-build highway project. The \$135 million, US 70 Hondo Valley Project is widening a 38-mile segment of this national highway from two to four lanes.</p>	<p>Woodrow Wilson Bridge Project URS is part of a joint venture that is serving as general engineering consultant for the Woodrow Wilson Bridge Project [add location]. The \$2.4 billion project comprises a 7.5-mile project corridor located on on the Capital Beltway (I-95/I-495).</p>

Specialist Consultants

Golder Associates

Golder has provided specialist geotechnical services for large infrastructure projects throughout Canada and worldwide for more than 45 years. This work has included hundreds of tunnel projects such as the bored St. Clair River railway tunnel, the largest bored soft-ground tunnel in North America at the time; and cut-and-cover and bored tunnels for transit services in Amsterdam, Atlanta, Edmonton, London (UK), New York City, Seattle, San Diego, Seoul, Toronto, Vancouver, and Washington DC, among others. Highway tunnel work has included alpine tunnels in Europe and in the Rocky Mountains, and soft ground tunnels throughout North America. Golder was the primary geotechnical consultant on large bridge projects such as the Confederation Bridge (PEI) and the Alex Fraser Bridge (BC), two of the largest bridges in Canada, and has provided consulting services for MTO bridge rehabilitation and new construction projects throughout Golder's history. With a depth of resources including more than 5,000 employees, and specialists with direct experience in the most challenging projects, Golder can provide assistance to new work anywhere in the world. Golder's Windsor office, in business for 40 years, also provides an unmatched depth of local geotechnical knowledge.

SENES Consultants Limited

Air

SENES has completed hundreds of projects over the past 25 years that have provided a broad scope of services related to the atmospheric environment and the management of air resources. These include the design and undertaking of air quality and odour monitoring programs; the assessment of impacts on air quality either on or by proposed projects including stationary and mobile sources; the preparation, analysis and management of emission inventories; air licence and permit applications; abatement technologies and associated costs; the application, development and verification of computer models that simulate contaminant behaviour in the atmosphere; and advice and expert testimony on a wide range of air quality matters.

Social Impact Assessment

SENES has been at the forefront in the development of Environmental Assessment and Social Impact Assessment for more than 25 years. SENES provides a broad scope of services with those related to social impact assessment including the design and undertaking of social and economic studies; the development of appropriate data collection tools; public attitude surveys; the facilitation of consultation; conflict resolution; the analysis and evaluation of impacts; and advice and expert testimony.

Noise

SENES has a broad base of experience in noise monitoring, noise modelling, the development and interpretation of noise regulations and criteria, and the assessment of noise impacts in both occupational and environmental settings. Over the past 20 years, the firm has completed noise monitoring and assessment studies for a wide range of projects including transportation corridors, industrial facilities, recreational facilities and residential developments.

RWDI

RWDI AIR is a leading environmental and engineering consultancy that has worked closely with many different sectors for nearly 30 years to meet air quality and noise modeling, measurement, mitigation, and regulatory compliance needs. One of its many areas of specialization is transportation studies, which includes air quality, ventilation, noise, vibration and snowdrifting assessments. RWDI's air quality and ventilation services in particular, are key for tunnel projects. RWDI experts have many years of practical experience, and know the importance of working closely with the design team at all stages of the project. Expertise is provided on a broad range of air quality and ventilation issues, and their specific means of

improvement. This covers all aspects - from the review and evaluation stage, to the design and specification of ventilation and exhaust gas handling systems, through to equipment start-up and performance verification.

LGL Limited

LGL Limited, founded in 1971, is one of the leading ecological research and consulting firms in North America. LGL has provided natural sciences, environmental planning and environmental inspection expertise on several hundred transportation projects including highways, roads and rapid transit facilities.

IBI Group

IBI Group's transportation practice provides industry-leading expertise in the areas of transportation planning, travel demand forecasting, goods movement and traffic engineering. The firm brings extensive experience in the analysis and assessment of major transportation infrastructure projects relating to both passenger and freight modes throughout North America and abroad.

Archaeological Services Inc.

In the past 25 years, ASI has undertaken more than 3,500 projects throughout Ontario, for clients in both the public and private sectors, gaining a reputation for excellence in heritage consulting. ASI's staff has the professional depth of expertise and experience to deal with any heritage resource, ranging from relatively recent Euro-Canadian settlement to the earliest Native occupations.

PMA Landscape Architects Ltd.

PMA Landscape Architects Ltd. was founded in 1982 and is currently located in downtown Toronto. The majority of PMA's work consists of design and planning projects primarily in southern Ontario in the areas of highway design, parks and open space planning, environmental design, urban design, waterfront planning, sport and recreation planning, commercial and institutional development, and high, medium and low density residential projects. PMA has earned numerous awards from its professional associations and a reputation as a creative design firm with professional integrity and technical knowledge.

Stantec

Stantec, founded in 1954, provides professional design and consulting services in planning, engineering, architecture, surveying, economics and project management. Their services are offered through more than 6,500 employees operating out of more than 100 locations in North America. For more than two decades, Stantec has been a leader in the specialty area of land border crossings. Stantec provides a full range of services at these crossings including planning, survey, environmental, design, travel and revenue forecasting, and traffic operations. Stantec has expertise in the design of plazas, approach roads, and inspection and toll facilities. Some or all of these services have been provided to many of the busiest border crossings between Canada and the United States, for both Canadian and U.S. governments and international bridge operators.

Hemson Consulting

Since 1983, Hemson has been assisting public and private organizations in areas of public policy, municipal finance, land use and development planning, real estate, demographics, and urban economics. Hemson has been involved in a wide range of transportation-related assignments in Ontario, focusing primarily on economic, fiscal and social impacts, land use implications, as well as the economic effects of proposed transportation initiatives on municipalities and their local business sector.