

EXPERIENCE, EXPERTISE AND KNOWLEDGE



Nunzio Spino, P. Eng.



Projects that shape
our environment through
innovative solutions
tailored to your needs
and requirements.

Autoroute Ville-Marie

Curriculum Vitae

LANGUAGES

Fluent in English and French
Good knowledge of Italian
Basic knowledge of Spanish

PROFESSION

Civil Engineer

Member of the Ordre des
Ingénieurs du Québec

Member of the Professional
Engineers of Ontario

ACADEMIC STUDIES

Diploma of Business
Administration, 1974
University of Western Ontario

Bachelor of Civil
Engineering, 1973
McGill University

KEY FEATURES

Successful completion of several construction projects for a total value of one billion Canadian dollars (year 2013 value). The majority of these projects were of great complexity and required thorough technical knowledge, engineering capabilities and a keen sense of creativity to be brought to completion.

Excellent knowledge of planning, design, and project management and execution of large projects including setting out and implementing objectives through budgets and schedule milestones.

Supervisory skills for multidisciplinary teams including designers, contractors and subcontractors.

Extensive knowledge in design/build projects and relevant work experience with designers.

Experience on the international scene and in cross-cultural relations based on work experience in joint ventures with European and American multinationals.

PROFESSIONAL EXPERIENCE

FROM 2011 TO 2013

Consultant to Kiewit-Alarie, Design/Build contractor on the Smoky Falls Hydro-Electric project in Northern Ontario. Leader of a seven-person team.

FROM 2008 TO 2010

Consultant to Kiewit-Parsons, Design/Build contractor on the A-25 Highway project as part of a Private-Public Partnership (PPP) in the Montreal area. Leader of a six-person team.

FROM 2006 TO 2007

Project Manager – West lot of East-West Highway, Algeria for Dessau-Soprin International.

FROM 1998 TO 2006

Consultant to various project owners and constructors in the design and construction of projects.

FROM 1981 TO 1997

Owner and CEO of Spino Construction Co. Ltd.

PRIOR TO 1981

1977-1981 - President of Ortem Inc., a construction company
1974-1977 - Various management and technical positions in contracting including estimating, job planning, cost control and project supervision.

Expertise, thorough knowledge and a strong reputation that guides your projects towards success.

For detailed CV:
www.spino.ca/en/about-me/

Expertise and knowledge

- > Tunnels
- > Shafts
- > Sewers
- > Watermains
- > Subways
- > Highways
- > Underwater works



Subway Line N° 2,
de la Savane-du
College Section



Tunnelling Expertise

- > Tunnel drilling with jack legs and drill jumbos in both good and bad rock conditions
- > Shotcrete
- > Rockbolts of various types including mechanical shell, mechanical grouted shell and rebar/resin
- > Wire mesh
- > Ribs in rock tunnels
- > Excavation of tunnels in both good and poor rock conditions with a tunnel boring machine
- > Earth tunnels of various types including:
 - Ribs placed using the “Monkey Hole” method
 - Soft ground tunnel boring machines and shields with ribs and wood lagging for ground support
 - Liner plates
 - Pipe jacking reinforced concrete pipe over long distances i.e. 150 meters to 250 meters between shafts
- > Various kinds of concrete work
- > Cement grouting
- > Excavation and concreting of shafts in both earth and rock
- > Compressed air tunnelling
- > Shafts excavated by raising
- > Deep shafts (over 60 meters in depth)

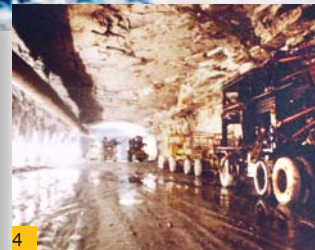
Works performed



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3



4



5

Lower Mattagami River Project (Smoky Falls)

270 MW Hydroelectric Power Plant in northern Ontario. Built in Design-Build (Design and Construction) Winter 2010 to Summer 2015
Amount: Confidential
Client: Ontario Power Generation

Autoroute 25, Montreal

Project for the design, construction, financing, operation and maintenance of a portion of the A-25 in the greater Montreal area Project Public-Private Partnership (PPP) project built in Design-Build (Design and Construction) September 2007 to May 2011
Amount: Confidential
Client: Ministère des Transports du Québec

East-West Highway in Algeria

Built in Design-Build (Design and Construction) 1400 km road section of the Maghreb highway from Tunisia to Morocco Summer 2006 to fall 2010
Amount: €10 billion
Client: Agence nationale des autoroutes

South Ottawa Sewer Collector

Screen & Degrat Building Connection & By-pass Contract # CS-3009 April 93 to Nov. 94
Amount: \$3M
Client: Regional Municipality of Ottawa-Carleton

South Ottawa Sewer Collector

Contract # CS-1041 3,300 m concrete-lined tunnel (3 m dia.) in soft ground of which a portion was constructed in compressed-air May 92 to July 95
Amount: \$17M
Client: Regional Municipality of Ottawa-Carleton

Excavation and Concreting of the Pentstocks at LA-1 ¹

Excavation and Concreting of the Pentstocks at LA-1, James Bay, Quebec (see article from "Tunnels and Tunnelling") Mar. 90 to July 91
Amount: \$20M
Client: Société d'Énergie de la Baie James

South Interceptor Completion of Section 6.4

Completion of works not completed by another contractor (see «Mission Impossible» article) Nov. 88 to July 91
Amount: \$15M
Client: Montreal Urban Community

Reynolds' Aluminum Plant Extension

Baie Comeau, Quebec 1,000 m of 2.5 m dia. sewer tunnel in rock and miscellaneous excavation and concreting with plant in operation Aug. 89 to Apr. 90
Amount: \$3M
Client: Reynolds' Aluminum

Subway Line N°2

Cote Vertu Rear Station, 100 m of two-way tunnel (7,400 mm) in soft ground Mar. 88 to Oct. 89
Amount: \$5M
Client: Montreal Urban Community

Engineer, consultant and former owner-manager of Spino Construction, Nunzio Spino has acquired solid knowledge and extensive experience in accomplishing large-scale construction projects, including tunnels, subways, excavation and concreting works, watermains and sewers. His technical expertise, estimating and analysis skills as well as his project management expertise are a valuable asset to bring your construction projects to life.



Subway Duvernay Connection Center

600 m of 7,400 mm two-way tunnel in rock
July 87 to Mar. 89

Amount: \$3M

Client: Montreal Urban Community

Riverside Collector Sewer

2,000 m of 3 m dia. concrete-lined tunnel in bad quality rock
Oct. 86 to Dec. 88

Amount: \$7M

Client: City of Montreal

22nd Ave. Collector Sewer

1,000 m of 2 m dia. concrete-lined tunnel in rock
May 86 to Apr. 88

Amount: \$3M

Client: City of Montreal

South Interceptor, Section 4.2

7,000 m of 1.8 m dia. concrete-lined sewer tunnel in rock of bad to excellent quality

Dec. 84 to Mar. 88

Amount: \$22M

Client: Montreal Urban Community

Lapiniere Interceptor ⁹

800 m of 1.5 m dia. reinforced concrete pipe pushed into place (Pipe Jacking) in soft ground

Aug. 85 to Mar. 86

Amount: \$3M

Client: City of Laval

2.1m dia. watermain and 3.5m dia. sewer ¹⁰

By cut-and-cover the construction of a 3.5 m dia. sewer in the center of Montreal and of a 2.1m dia. watermain

Sept. 84 to May 86

Amount: \$6M

Client: City of Montreal

The Bizard Island Connection Conduit ⁷

2 m dia. tunnel 1,000 m long under the Des Prairies River

Aug. 84 to Dec. 85

Amount: \$3M

Client: Montreal Urban Community

Cut-and-cover sewers and watermains

On Taillon and St Donat streets
June 84 to Oct. 84

Amount: \$1M

Client: City of Montreal

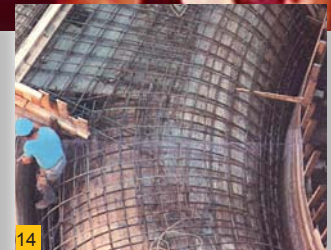
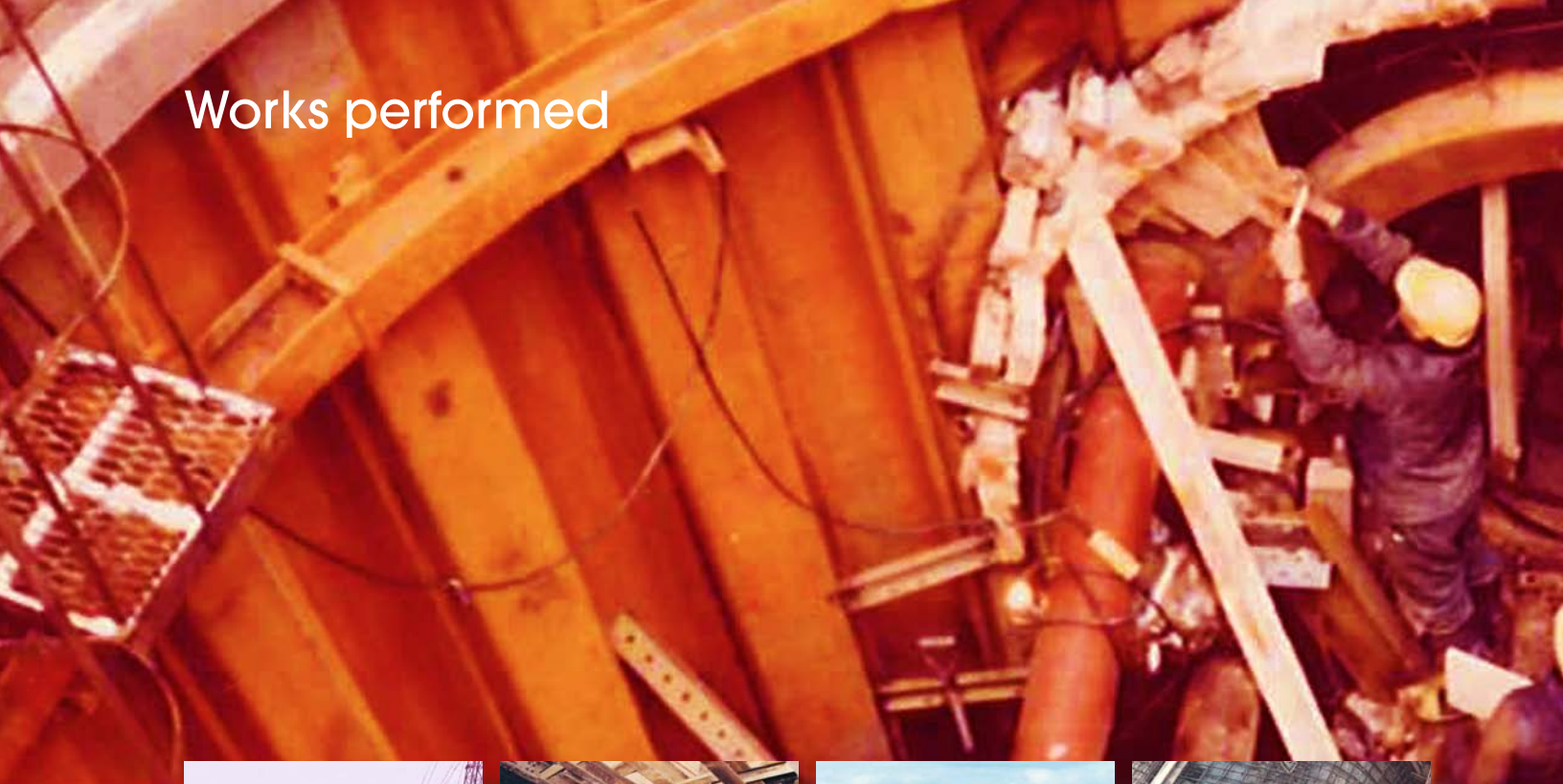
Spino Construction

Renovation of Own Offices (Gen. Construction and Overseeing Consultants)
April 84 to Nov. 84

Amount: \$1M

Client: Spino Construction

Works performed



Collector sewers built by cut-and-cover

Corporation municipale de St-Jean-Baptiste
May 84 to Nov. 84
Amount: \$2M
Client: Societe Quebecoise d'Assainissement des Eaux

Contrat N°84-G-2

Boul. Fernand Lafontaine Sewers, watermains, roads and sidewalks
June. 84 to Sept. 84
Amount: \$1M
Client: City of Longueuil, Quebec

Darlington Generating Station ⁶

Cooling Water Discharge Tunnel for a nuclear-electric generating plant 9 m dia. by 1,800 m long under Lake Ontario with 90 diffuser-shafts, 1 m dia. by 20 m deep in this same lake
Sept. 83 to Mar. 86
Amount: \$16M
Client: Ontario Hydro

Subway Line N°5

Snowdon Rear Station. 255 m of two-way tunnel (7,200 mm) in rock
May 83 to Aug. 84
Amount: \$3M
Client: Montreal Urban Community

Touraine Collector ¹⁸

3,000' of 5'0" reinforced concrete pipe (RCP) pushed into place (Pipe Jacking) in soft ground and 10,000' of RCP placed by cut-and-cover
Feb. 83 to Aug. 84
Amount: \$7M
Client: Communauté Régionale de l'Outaouais

Subway Line N°5 Vincent d'Indy-Outremont Section

140 m of subway station (13 m) in tunnel in bad quality rock
April 82 to Sept. 82
Amount: \$2M
Client: Montreal Urban Community

Darlington Generating Station ⁵

Construction of the 8 m dia. by 900 m long Cooling Water Intake Tunnel for a nuclearelectric generating plant
Nov. 81 to Aug. 83
Amount: \$11M
Client: Ontario Hydro

Subway Line N°5 L'Acadie Section

Construction of a two-way tunnel (7,200 mm) in rock approximately 1,000 m in length
May 81 to Dec. 82
Amount: \$7M
Client: Montreal Urban Community



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Autoroute Ville-Marie ¹⁵

1,400' of cut-and-cover highway tunnel in the center of Montreal (Joint Venture)
Nov. 80 to Dec. 82
Amount: \$35M
Client: Quebec Ministry of Transport

Regional Sanitary Interceptor ^{3, 14}

A 9'6" tunnel excavated in clay 12,400' long
June 80 to Jan. 82
Amount: \$9M
Client: Communauté Régionale de l'Outaouais

Dyke at LG4 in James Bay ^{2, 13}

Construction of a 10,000,000 cu. m. dyke. Hydroelectric Project (Joint Venture)
Oct. 79 to June 83
Amount: \$75M
Client: Société d'Énergie de la Baie James

Subway Line N°2 , de la Savane-du College Section ¹²

23' concrete-lined tunnel in rock 10,000' long
Jan. 79 to Aug. 81
Amount: \$16M
Client: Montreal Urban Community

Outfall for the Sewage Treatment Plant ¹¹

A 20' dia. concrete-lined tunnel in both earth and rock 18,000' in length under the St. Lawrence River
May 77 to Sept. 80
Amount: \$42M
Client: Montreal Urban Community

Services offered

- > **Technical Expertise**
- > **Project Management**
- > **Design Coordination**
- > **Estimating**
- > **Planning**
- > **Contract Administration**
- > **Expert Consulting**
- > **Alternative Disputes Resolution (ADR)**





Project Owners and Program Managers (AMO)

- > Planning Assistance
- > Project Review
- > Contract Administration
- > Technical Problem Solving
- > Contract Change Management



Design Engineers:

- > Project Review
- > Technical Problem Solving
- > Contract Change Management



Construction Companies

- > Expert Consulting
- > Estimating
- > Project Management

Design/Build Contractors

- > Design coordination
- > Expert Consulting
- > Estimating
- > Project Management

Alternative Disputes Resolution (ADR)

- > Mediation
- > Arbitration
- > Disputes Resolution Board
- > Other methods of ADR adapted to the construction industry





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