



MORRISON HERSHFIELD

*People • Culture • Capabilities*

# TRANSPORTATION

## Solutions That Make a Difference





## Why choose Morrison Hershfield?

**OUR CLIENTS BENEFIT** from a well-organized nimble team with local presence backed by over 1000 staff in 24 offices across North America and beyond; ensuring your project is delivered according to your vision, schedule and requirements.

- ▶ **CLIENT-FOCUSED** - Over 90% of our business comes from repeat clients. Our goal is to provide an unmatched client experience, and we are proud to maintain an “excellent” client satisfaction rating..
- ▶ **RESPONSIVE** - With over 1000 employees across North America, we have the resources to help you anytime, anywhere.
- ▶ **INVESTED** - Our employee-owned business culture allows us to attract and retain the best talent who are invested in the success of our clients’ projects.
- ▶ **INNOVATIVE** - Our award-winning solutions are provided by subject matter experts who work on some of the biggest and most complex projects in North America.
- ▶ **ONE-STOP-SHOP** - Optimize your projects by bundling our multidisciplinary engineering services that save you time and money.
- ▶ **ONE SIZE DOES NOT FIT ALL** - Our team of technical experts helps communities find the right solution to their unique challenges. Predefined solutions do not drive our work.

Make us your first call.

*“Morrison Hershfield was our design lead on a very challenging PPP and they had the work effort, expertise and attitude to make that project a success. Great people make all the difference and their team did a killer job.”*

- Confidential Client



RESPONSIVE SOLUTION  
PROVIDERS



PROBLEM  
SOLVERS



PARTNERS WITH  
OUR CLIENTS



## PROJECT TYPES

- Active Transportation Networks
- Bridges
- Drainage & Hydraulic Structures
- Illumination Systems
- Intelligent Transportation Systems (ITS)
- Rail Infrastructure
- Roads & Highways
- Traffic Control Systems
- Underground Structures & Tunnels

## SERVICES

- Complete Streets
- Construction Administration
- Construction Management
- Independent Design Review
- LED Conversion
- Railway Crossing Audits
- Road Safety Audits
- Structural Health Monitoring
- Structural Inspections & Surveys
- Sustainable Transportation
- Transportation Planning

## ENGINEERING

- Civil & Land Development
- Environmental
- Structural
- Transportation





# SIR GEORGE-ÉTIENNE CARTIER PARKWAY (ROCKCLIFFE PARKWAY)

Ottawa, Ontario

The leadership of the Transportation Planning Manager, benefited the project and the NCC. He gave sound advice and counsel to the project team in a timely manner that enabled the costing information to reflect the actual conditions. His competence and confidence added value to the project and enabled the NCC and City of move forward with certainty.

Dr. Mark Kristmasnon, CEO  
National Capital Commission

**3.1 KM**  
ROCKCLIFFE  
PARKWAY

**630 M**  
RETAINING  
WALLS

**7 RAIL**  
CYCLING  
RAILING SYSTEM

**DESIGN &  
RESIDENT  
ADVISORY**

Improvements were optimized within the unique and sensitive constraints using detailed cross-section analysis. Construction timing had to be developed around species at risk in the vicinity. Traffic management was challenging due to poor sight lines/distances and significant pathway user traffic had to be managed around the construction site. A separate alignment was developed as the baseline for the structural work on the existing walls and the new elevated pathway, since the baseline was not always parallel to the roadway centerline it was challenging to ensure that roadway, electrical, and structural features were coordinated when using stations and offsets as references.



# CHIEF PEGUIS TRAIL EXTENSION

Winnipeg, Manitoba



**3.8 KM**  
FOUR-LANE  
ARTERIAL  
EXTENSION

**\$31M**  
IN COST  
SAVINGS

**DBFM**  
COLLABORATION

**DETAIL DESIGN,  
CONSTRUCTION  
ADMINISTRATION**

Morrison Hershfield was retained to perform lead design consultant services and construction management to DBF2 Limited Partnerships. The project consisted of new roadway, intersection improvements, a new bridge/ underpass, a separated intersection to ensure the safety in surrounding neighbourhoods, a new pedestrian bridge, new land drainage sewer system with pump station and dry pond to accommodate peak rainfall periods and to prevent underpass flooding, new landscaping, active transportation network, noise attenuation barriers and berms to reduce traffic noise, overhead sign structures, and roadside hazard protection measures.



# HIGHWAY 17 CYCLING FACILITIES ON TRANS-CANADA HIGHWAY

Sault Ste. Marie, Ontario



**53 KM**  
NEW CYCLING  
LANES

**#CYCLEON**

**PROVINCIAL  
HIGHWAY**

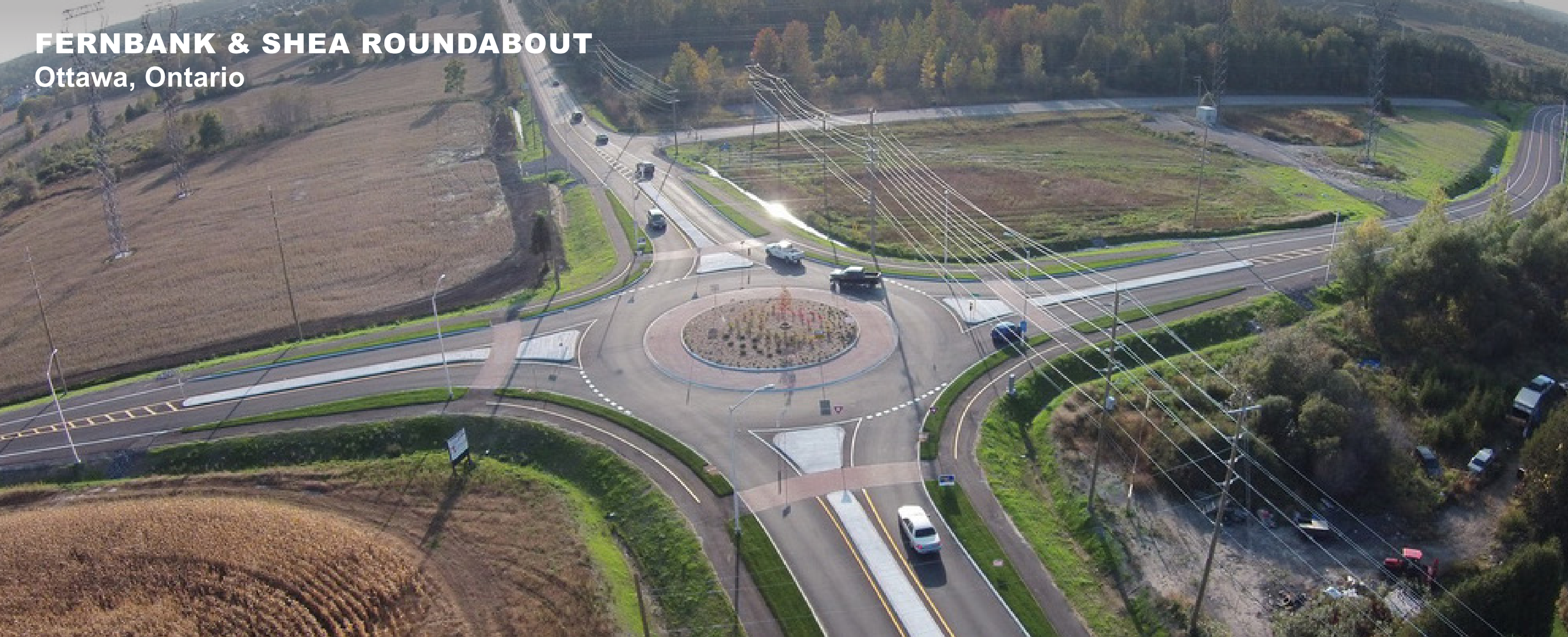
**DETAILED  
DESIGN**

Morrison Hershfield completed the detail design for 53kms of new cycling lane sections as part of Ontario's #CycleON initiative. The purpose of these bike lanes was to create connections to the Great Lakes Waterfront Trail and to enhance safety and promote connectivity for the communities bordering the Trans-Canada Highway. Technical challenges included narrow shoulder locations, existing drainage infrastructure and designing appropriate signage to notify cyclists of the start and end of the Highway portion of the cycling network.



# FERNBANK & SHEA ROUNDABOUT

Ottawa, Ontario



**PHASE  
1 & 2 ESA**

**SINGLE LANE  
HIGH SPEED**

**\$1.5 M  
CONSTRUCTION**

**PRIME CONSULTANT  
DESIGN & CA**

The design and construction of this rural single lane modern roundabout in Ottawa's west end was initiated as a result of operational and safety issues at the existing off-set tee intersections at Fernbank Road and Shea Road resulting in Unsafe vehicle maneuvers and concerns with traffic operations justified the roundabout design. Morrison Hershfield was the prime consultant responsible for overall project management, detail design, environmental, traffic, drainage and construction administration services and responsible for the coordination with all sub-consultants, contractors, and utilities during the design and construction process.



FOUNDED on  
technical excellence  
and ethics.

OUR RICH HISTORY of  
diverse projects provide exposure  
to emerging trends in process and  
design technologies spanning different  
industry sectors, keeping us ahead  
of the curve. We regularly adapt and  
integrate these technologies into  
solutions for our clients. **Our passion  
to design and build our projects  
right the first time is recognized  
throughout the industry and in our  
communities.**



▲ Platinum Elite Status: A key play in ReNew  
Canada's list of top 100 Infrastructure Projects in  
the country.



75+

Years in Business  
Serving Canada

1000+

Number of Full Time,  
In-house Employees

100%

Employee Ownership

90%

Annual Revenue from  
Repeat Clients

24

Offices Across  
North America and India

WHO WE ARE

WE ARE A MARKET LEADING engineering  
firm delivering innovative, cost effective and technically  
sophisticated solutions for both horizontal and vertical  
infrastructure. We are anchored by highly responsive  
technical experts, thought leaders and high performing  
employees across North America. Our highly focused  
approach to the clients and markets we serve ensures that  
we deliver the value our clients demand.

When our founders established this consulting practice  
in 1946, they set the highest standards of ethics,  
technical excellence and customer service. These  
high standards have become the hallmark of Morrison  
Hershfield. We continue to be guided by our values of  
integrity, accountability and mutual respect, and believe in  
continuous improvement, quality and teamwork.

Contact us to make your vision a reality.





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