WSP is a recognized leader in the development of active transportation policies, master plans, design guidelines and detailed design. Our team is experienced in the provision of pedestrian and cycling facilities, land use planning, multi-modal transportation planning, environmental management, landscape design, project management services and complete streets planning and design.

Our firm's integrated and multidisciplinary capabilities enable us to successfully guide active transportation and landscape architecture projects from concept and planning, through to detailed design and implementation. 150 offices in Canada means that our presence is second to none, allowing our clients access to experts who can address the challenges of today's complex and rapidly changing environments no matter which part of the country they call home.
Here’s how WSP can help

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**Left**
Talbot Street Streetscape Revitalization  
St. Thomas, ON

**Below**
Dundas Street Class Environmental Assessment and Preliminary Design,  
Burlington, ON
Are you Future Ready?
We see the future more clearly, and design for it today.

Whether it’s extreme weather changes, disruptive technological advancements, evolving demographics or dwindling resources, our experts are focusing on the current national and global trends to better understand and plan for the challenges of tomorrow.

Big, bold, ambitious thinking that inspires and influences, whatever tomorrow brings.

For more information on Future Ready please visit: ca-futureready.wsp.com
Ontario Traffic Manual (OTM) Book 18: Cycling Facilities

Project Overview

WSP has been retained by the Ontario Traffic Council to complete an update to Ontario Traffic Manual (OTM) Book 18: Cycling Facilities. WSP completed the first OTM Book 18 in 2014. The intended outcome of this study is to update the existing set of bikeway design guidelines to reflect current trends, best practices and lessons learned since 2014. OTM Book 18 is meant to be used as a resource for municipalities throughout the Province of Ontario. To complete this study, WSP will work closely with Ministry of Transportation (MTO) staff and municipality representatives.

What Innovations And Future Trend(s) Did We Consider?

- Increasing demand for accessible street design and growing momentum of road safety initiatives such as Vision Zero
- Growing demand for mixed-use public space as links for commercial, leisure and residential use
- Densification of cities and increased demand on road infrastructure
- Increasing popularity of electrical bikes as a mode of transportation
How Did We Consider These Trends?

WSP developed a bikeway selection tool which helps planners and engineers choose and design appropriate cycling facilities based on the location and roadway context.

We undertook a comprehensive review of bicycle facility guidelines, standards and legislation across local, provincial and international jurisdictions. In particular, we identified a diverse range of bikeway design options to accommodate all ages and abilities.

How Was Our Final Approach Better?

North American cycling facilities are undergoing rapid change, with many emerging design solutions. To capture the variation of best practices, WSP will complete a literature review of bicycle facility guidelines from national and international jurisdictions. WSP will build upon best practices at the local and international level to update the existing set of bikeway design guidelines—OTM Book 18.

The Outcome

WSP will produce an updated set of bikeway design guidelines that are intended to be used by municipalities throughout the Province of Ontario.
Notable Projects

01 Highway 7 Buffered Bike Lane Design Peer Review
   York Region, ON

02 Bloor Street Bike Lanes Pilot Project
   Toronto, ON

03 University of Ontario Institute of Technology
   North Campus
   Oshawa, ON

04 Johnston Road Functional Design
   White Rock, BC

05 Trans Canada Trail, Downtown to Riverside Park
   Guelph, ON
06  Hall Street Corridor Preliminary Design  
Nelson, BC

07  Lake Shore Boulevard Cycle Track Detailed Design  
Toronto, ON

08  Reimagining Yonge Class Environmental Assessment  
Toronto, ON
09 Bike Share Toronto Expansion
Toronto, ON

10 2nd Concession Grade Separation
York Region, ON

11 Province-wide Cycling Network Strategy
Ontario
Recent WSP White Papers

Vision Zero
Setting a higher standard for road safety

Zero = the only acceptable number of deaths and serious injuries in our worldwide road transportation system.

As planners and designers of the built environment, the legacy of our plans and designs last 30 to 100 years or more. If we could plan, design and build our communities and facilities to motivate and compel people to be more physically active and make healthier food choices.

Whitepapers mentioned above are available digitally. Please contact Dave McLaughlin (dave.mclaughlin@wsp.com) for more information.
WSP is one of the world’s leading professional services consulting firms. We are dedicated to our local communities and propelled by international brainpower. We are technical experts and strategic advisors including engineers, technicians, scientists, project managers, planners, surveyors and environmental specialists, as well as other design and program management professionals. We design and deliver lasting solutions in the Buildings, Transportation, Infrastructure, Oil & Gas, Environment, Geomatics, Energy, Resources and Industry sectors as well as project delivery and strategic consulting services. With over 8,000 talented people across Canada and 42,000 globally, we engineer projects that will help societies grow for generations to come.

Dave McLaughlin
National Active Transportation Practice Manager
dave.mclaughlin@wsp.com

Amanda Gebhardt
Manager, Planning, Landscape Architecture and Urban Design
Amanda.Gebhardt@wsp.com

wsp.com