

## PROGRESS ON THE PROJECT!

West Corridor Constructors (WCC) is pleased to announce that motorists now have access to the new express lanes and the high occupancy vehicle (HOV) lanes on Highway 401 in the eastbound and westbound directions from east of the Credit River in Mississauga to west of Regional Road 25 in Milton!

WCC is nearing the end of another year with monumental progress made throughout the 18-kilometre stretch of highway from Mississauga to Milton. Our craft and all team members successfully persevered through a rigorous construction schedule, which was expertly coordinated between various disciplines to keep the project on track.

Finishing the underground infrastructure prior to final paving was the challenge this past year, which included all electrical installations, storm sewers and concrete work. Thousands of metres of wiring and cabling now weave through a vast and complex network of conduits beneath the roadway that are the energy source for the standard and high mast light poles that illuminate the highway. Fibre optic cabling has also been installed parallel

and perpendicular to the highway, enabling the Intelligent Traffic System (ITS) and Automatic Traffic Monitoring System (ATMS) to detect and measure traffic volume and pace. This data helps the Ministry of Transportation (MTO) report traffic conditions to the travelling public through various platforms. Additionally, crews formed and poured hundreds of cubic metres of concrete, erecting the median wall that separates the eastbound and the westbound lanes, and the express and collector lanes, as well as the outside barrier walls and toe-walls located beneath many of the overpasses, and the curbs and sidewalks of the newly revitalized municipal roadways.

On-ramps and off-ramps have been reconfigured to ensure a smooth transition from these municipal roadways to the highway. The CN Rail bridge located between Regional Road 25 and James Snow Parkway and the CP Rail bridge located between Mississauga Road and the Credit River were strategically demolished and quickly reconstructed, enabling motorists to drive over the decks while daily train service continued below.

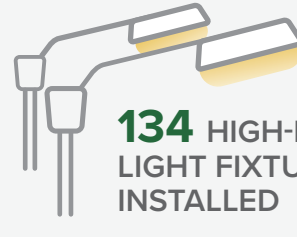


Winston Churchill Boulevard interchange.

### QUICK FACTS



**2,300,000**  
ESTIMATED PERSON  
HOURS FROM  
2019 - 2022



**134** HIGH-MAST  
LIGHT FIXTURES  
INSTALLED



**1** HIGHWAY-HIGHWAY  
INTERCHANGE AND  
**5** ADDITIONAL  
INTERCHANGES  
COMPLETED



**3** LANES  
OF TRAFFIC MAINTAINED  
IN EACH DIRECTION AT  
PEAK TIMES



**60,522** METRES  
OF PERMANENT  
BARRIER WALLS  
AND TRANSITIONS

## PAVING THE WAY

As traffic shifted into the newly added outside lanes throughout 2021, WCC began preparatory work on the original inside lanes. Crews prepared subgrade and road base layers while paving operations continued, setting the stage for remaining seasonal work. Recent 2022 paving operations have utilized state-of-the-art resurfacing technologies including Light Direction and Ranging (LiDAR) scanning to ensure the highest quality of the final highway surface.



WCC machinery preparing granular at CP Rail Bridge.

## LANE OPENINGS

WCC proudly welcomed motorists into the newly expanded segments of the highway over the past few months. Please refer to the Notable Milestones section for further detail.

With the addition of these lanes, congestion will ease for the nearly 180,000 passenger and commercial vehicles that pass through the Mississauga to Milton corridor on an average day, particularly during peak hours where motorists are typically travelling to and from work.

In areas where paving activities have reached the final stages, nearly 60 new overhead and ground mounted signs have been installed throughout the project limits. As lane configuration has changed, all motorists are urged to pay close attention to these signs as they now indicate changes in accessing off-ramps.

### NOTABLE MILESTONES

**July 15/16, 2022**  
Permanent alignment between Regional Road 25 to the west project limits.

**August 13/14, 2022**  
Opening of the core/collector lanes Hwy 407 to James Snow Parkway, Hwy 401 westbound.

**August 20/21, 2022**  
Opening of permanent alignment from Trafalgar Road to Winston Churchill Boulevard, Hwy 401 eastbound.

**September 23, 2022**  
Creditview Road Bridge opens two lanes in each direction.

**October 26, 2022**  
Extensive rehabilitation completed at Ninth Line. Two-way traffic restored.

**November 11/12, 2022**  
Opening of permanent alignment from Winston Churchill Boulevard to Hwy 407ETR, Hwy 401 westbound.

**November 12/13, 2022**  
Opening of the core/collector lanes from Mavis Rd to Winston Churchill Boulevard, Hwy 401 eastbound.

**November 18/19, 2022**  
Opening of the core/collector lanes from James Snow Parkway to Winston Churchill Boulevard, Hwy 401 eastbound.

**November 24/25, 2022**  
Permanent alignment from James Snow Parkway to Regional Road 25, Hwy 401 westbound.

**November 29/30, 2022**  
Opening of the core/collector lanes from Winston Churchill Boulevard to Mavis Road, Hwy 401 eastbound.

**December 9, 2022**  
Opening of the HOV lanes, Hwy 401 westbound and eastbound.

**WINTER ACTIVITY** As temperatures continue to drop, construction activities will be reduced and some work will be put on hold. Remaining finishing work such as asphalt, concrete pouring and line painting requires a minimum temperature in order to cure. Once the weather begins to warm up, WCC's paving crews will resume paving and finishing works where required. In the meantime, Superintendents, managers, coordinators and other staff take this time to focus on construction planning.

## ENVIRONMENTAL STATUS

Throughout the Highway 401 Expansion Project, WCC has remained committed to environmental protection, including the flora and fauna that are present within the highway corridor. WCC minimized and mitigated environmental impacts and obtained required environmental permits and approvals, remaining in compliance throughout construction.

WCC's environmental monitors are on site daily working with the construction team to inspect ongoing works around watercourses, forested areas, and areas that provide habitat to local wildlife. Daily monitoring includes inspecting erosion and sediment control measures, ground cover, works within watercourses, vegetation removals, the presence of wildlife, storage of deleterious substances, water management, and making sure WCC is in compliance with regulatory approvals. Between April and November, surface water was sampled biweekly to ensure water quality parameters remained consistent with the natural baseline water quality parameters of the watercourse. As groundwater is managed on-site, it is monitored for quality and quantity parameters as well. All monitoring results are recorded in inspection reports and all issues on-site are tracked and remediated quickly through the environmental monitors and the construction team.

As construction activities wind down, environmental monitoring will continue on a less frequent basis. Permits and approvals that are active will be monitored for compliance and will be closed with the regulatory agencies as WCC meets all permit conditions.



Bat boxes installed to help bats roost.



HOV lanes nearing completion.

## CAREER KICK-START

There is no better resource than education and on-the-job training. WCC proudly employs students exploring various disciplines within the construction sector utilizing a hands-on approach to learning. Numerous college and university students from across the country studying law, civil, electrical and mechanical engineering, economics and accounting have been placed on the Highway 401 Expansion Project supporting the civil, structures, traffic, finance and legal teams.

Students are actively involved in decision making, coordinating activities, scheduling, and liaising with contractors and subcontractors. The involvement of students is essential to the success of the project and for their career development. Many of our past students have since been offered roles with the companies that comprise the WCC consortium - Aecon, Amico and Parsons.



“ Being a part of the Highway 401 Expansion Project has been an amazing experience and a valuable contribution to my education! I've gained a much deeper understanding on the phases of a construction project and all the different departments that are involved in the process. While working with the traffic team to create traffic disruption notices, I've had the opportunity to observe the sequence of construction activities that leads to highway completion. It's been so exciting to visit the site and witness firsthand how quickly the project is progressing thanks to everyone's hard work and mentorship!

**Olga U.** McGill University / Class of 2023

I understood very early on that you can't learn everything about the construction industry in school and I am very grateful to have had the opportunity to work at Aecon on the WCC team. I used to drive on this stretch of the 401 and keenly observe the gradual changes that were taking place to accommodate an increased traffic demand. I was lucky enough to become a part of that exciting change. This project has allowed me to collaborate with various teams and stakeholders. This has deepened my knowledge and given me a unique and intimate appreciation of how the construction industry works.

A special thanks to Alvin K., Leo A., Mulham M. & Thomas Z. who are exceptionally helpful, resourceful and have always been supportive throughout my journey here!

**Syed H.** Toronto Metropolitan University / Class of 2023

**CHECK OUT OUR PHOTO GALLERY TO SEE THE TRANSFORMATION!**

## SAFETY

Motorists are reminded to follow posted speed limits, be aware of their route and surroundings, always drive with caution according to road conditions, and to be patient with other drivers as everyone becomes familiar with the new driving patterns.