

Stage 2 LRT Update

January 2023

7pm



Blair Station Connecting Stage 1 to Stage 2

2022 was a very important year for the project. The east segment transitioned from an infrastructure project, focused on widening the OR 174, building highway ramps and railway bridges, into a rail line.



Crews completed the full civil engineering scope of the guideway construction, earthworks, drainage, overhead catenary system (OCS) foundations, sub-ballast, and ballast, and handed it over to the contractor responsible for installing track.

The first tracks were installed in April west of Jeanne d'Arc Station, and by the end of the year 60% of the rail had been installed, including a complete installation in both directions from Jeanne d'Arc Station to Blair Station, and from Trim Road to Tenth Line Road.

The end of October also marked one of the biggest milestones to-date on the project, the tie-in to Stage 1 LRT at Blair Station, shown in the picture here.



Montreal Station

The picture here shows the great progress being made at the Montreal Station

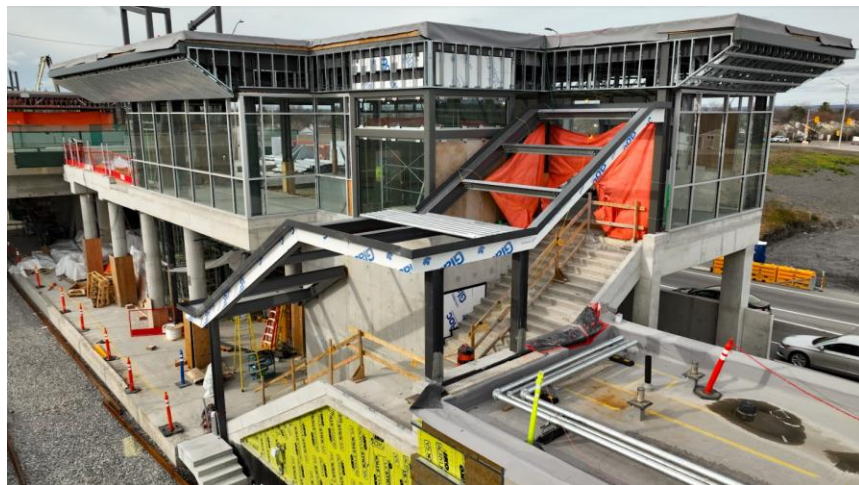
Construction activities in 2023 will be focused on:

Completion of the rail installation.

Completion of the construction of the five LRT stations in the east (Montréal Station, Jeanne d'Arc Station, Convent Glen Station, Place d'Orléans Station, and Trim Station). Activities that will take place at stations in 2023, in addition to finishing works within the stations themselves, include the installation of station noise walls, installation of traction power substations (TPSS) and the construction of a bus operator building at Place d'Orléans Station.

Installation of the full OCS system, including overhead poles, arms, and cable troughs, and wires that connect to the train's electric system.

Beginning of testing and commissioning.



Station construction in the east began at Jeanne d'Arc Station. It will also be the first station completed this winter.

Construction at five stations on the east segment, Montréal Station, Jeanne d'Arc Station, Convent Glen Station, Place d'Orléans Station, and Trim Station, progressed well and are on-schedule to be completed in 2023.

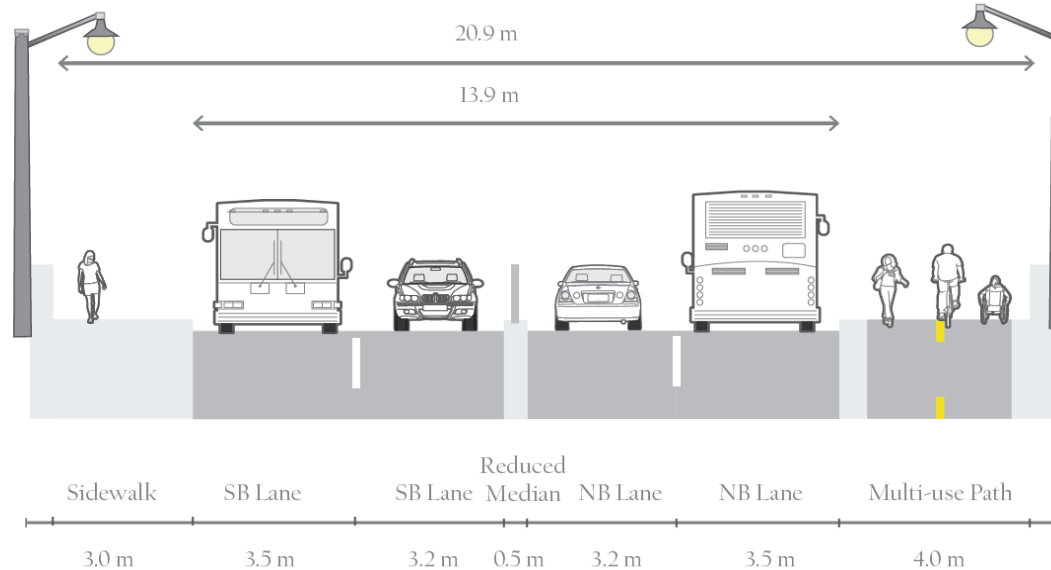
Activities that will take place at stations in 2023, in addition to finishing works within the stations themselves, include the installation of station noise walls, installation of traction power substations (TPSS) and the construction of a bus operator building at Place d'Orléans Station.



Plan view reflecting the connectivity enhancements along Jeanne d'Arc Blvd, with a new Multi-Use Pathway being constructed along the northbound lanes leading toward the bridge from both the north and south.

The Multi-Use Pathway will be constructed to the north to Fortune Drive, and to the south just past the eastbound on-ramp.

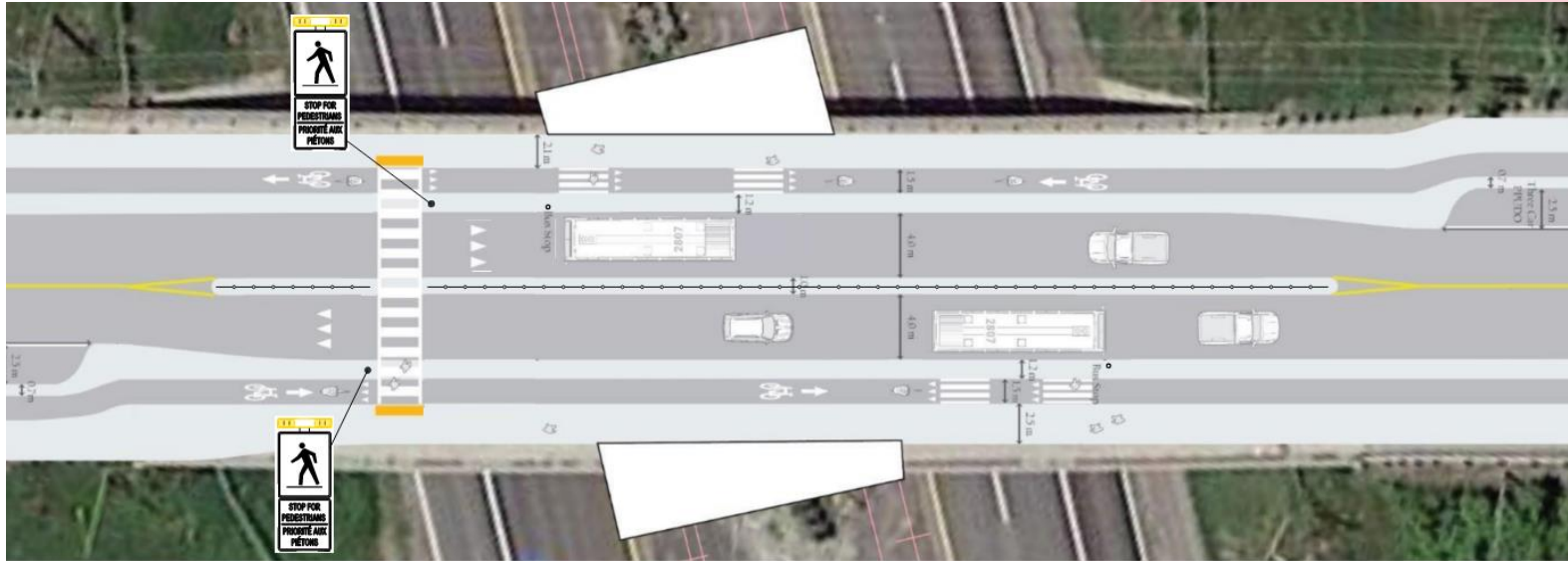
Within the roadway, a concrete median with a fence will be constructed separating northbound and southbound traffic.



Cross-section looking toward the north, demonstrating the connectivity enhancements described in the previous slide, with the Multi-Use Pathway reflected along the northbound lanes.



Convent Glen Station construction was a little later getting started due to some significant utilities relocation work that was required. Great progress is being made however and the station will be completed this year.



Plan view reflecting the connectivity enhancements along Orleans Blvd, with a new cycle tracks in both directions, and a pedestrian crossing with flashing beacon lights and overhead signs to alert vehicles.

The cycle tracks and new sidewalks will be constructed to the north to Fortune Drive & Sugar Creek Way, and to the south to Lumberman Way.

Within the roadway, a concrete median with a fence will be constructed separating traffic, and the speed of the roadway will be reduced from 50 to 40 km/h.

The City's Transportation Planning group are proposing a future cycling project along Orléans Blvd to link to these connectivity enhancements that are being constructed as part of Stage 2 LRT.



The picture here is of Place d'Orléans Station looking west. In the foreground is the station entrance from Champlain Street. Can also see the existing and new pedestrian bridges connecting to the LRT guideway.



New Multi-Use Pathways constructed as part of Stage 2 LRT are shown in green, providing connectivity from Bilberry Drive, Alpine Street, and Centrum Boulevard.



The picture here is of Trim Station looking east. Trim Station like all the other stations in the east will be completed this year.

Pedestrian Bridges in the East



A new pedestrian bridge at Green's Creek was successfully installed in June 2022. The bridge is expected to be opened to pedestrians and cyclists in 2023, with connections to pathways on either side of the bridge.

Two additional pedestrian bridges at Place d'Orléans Station and at Trim Station were installed in 2022. These will provide a connection from the fare paid entrance on the south side of OR 174 to the LRT platform in the center median.

Noise Wall	Ward	Location	Status
B01	11	OR 174 west of Montreal Road Station	Complete.
B02	2	OR 174 between Jeanne d'Arc and Orleans Blvd	In 2023, the wall will be extended further west toward the Jeanne d'Arc Blvd off ramp.
B03	2	OR 174 between Orleans Blvd and Bilberry Creek	Complete.
B04	2	OR 174 between Bilberry Creek and the Place d'Orleans North Park & Ride	Completion of this wall is taking longer than initially estimated due to very hard bedrock and limited site access. Installation of the noise wall posts is complete, and the construction of a retaining wall is well underway. In early 2023, crews will complete the construction of the retaining wall, followed by the installation of the noise wall panels.
B05	1	OR 174 between Champlain St and Tenth Line	Complete.

Noise Wall	Ward	Location	Status
B06	2	South side of the OR 174 between Jeanne d'Arc Blvd and Orleans Blvd	Preparatory work occurred in 2022. Construction is expected to commence in 2023.
B07	2	South side of the OR 174 between Orleans Blvd and Stoneboat Cres, terminating at Stoneboat Park	Preparatory work occurred in 2022. Construction is expected to commence in 2023.
B08	2	South side of the OR 174 beginning at Cholette Cres pathway heading east towards Bilberry Creek	The proposed location of the wall conflicts with existing utility infrastructure. As a result, this section of the wall had to be descope from the project.
B09	1	South side of the OR 174 at Terra Nova Estates	10% complete, work is expected to continue into 2023.



This slide shows an aerial overview of the approximate alignments of Noise Wall B07 and B08. Construction of Noise Wall B07 is expected in 2023. Noise Wall B08 has been descoped due to conflicts with existing utility infrastructure.

North Side Noise Wall



Shown is a photo of Noise Wall B03, which demonstrates an example of a completed noise wall on the north side of the OR 174. We are installing over 4.5 kms of noise walls in the East as part of the Stage 2 LRT Project.

Communication Resources Available:

Ottawa.ca/stage2 for:

- Project updates
- Traffic impacts
- Sign up for station specific email newsletter

Email: stage2@ottawa.ca

- Weekly overnight impacts sent Mondays

Social media:

Instagram: [@stage2etape2](https://www.instagram.com/stage2etape2)



OC Transpo



Thank You