



Presentation to Riverside Park Community Association

Rail Construction Program

April 7, 2021

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Introductions

- **Michael Brossoit** – Stakeholder Relations, South Extension – City of Ottawa
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- **Theo Tetley** – Project Manager, Stage 2 Construction – City of Ottawa

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O-Train South Extension



- Construction of two new stations (Corso Italia, Walkley) and the extension of five station platforms on the existing Trillium Line
- Four new stations along the new extension (South Keys, Leirtrim, Bowesville, Limebank) and two new stations along the 4-kilometre Airport Link (Uplands, Airport)
- Construction of a new Walkley Yard Maintenance and Storage Facility (MSF).

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Rideau River Pedestrian Bridge

- Prefabricated pedestrian bridge over the Rideau River from Carleton University to the NCC lands to the south of the river (Vincent Massey Park).
- Will run parallel to the existing rail bridge over the river.
- Will connect to the Rideau River Eastern Pathway, which runs along the Rideau River.

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Rideau River Pedestrian Bridge: Progress

Completed:

- Land acquisitions, permits and approvals.
- Vegetation removal for access road and site preparation.

Ongoing:

- Site preparations for the pedestrian bridge.

Upcoming:

- Establish access and encasement for the existing Rideau River Rail Bridge with scaffolding and shrink wrap encapsulation.
- Support columns for the prefabricated bridge to be constructed summer 2021.

Rideau River Pedestrian Bridge: Impacts

- In order to prepare the site, a section of the Rideau River Eastern Pathway through the work site is being controlled by flaggers. Pathway will be flagged through the work zone, with stoppages lasting 1-2 minutes.
- The flagging operation is key to having the Rideau River Eastern Pathway remain open during site preparations. This includes the section through the work zone.
- Vincent Massey Park remains open during this work.

Mooney's Bay Station

- Existing station located south of Heron Road, west of the Airport Parkway.
- The platform will be extended to meet the requirements of the new trains.
- Multi-Use Pathway south of the station will be upgraded to Accessibility Standards and connect to the Brookfield Roundabout to the southwest.

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View of Mooney's Bay Station looking north from over the airport parkway

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Mooney's Bay Station: Progress

Complete:

- Wall construction partially complete
- Backfilling around completed walls
- Installation of underground plumbing pipes

Ongoing:

- Formwork, rebar and concrete works for the wall construction.
- Backfilling and formwork, rebar and concrete for the platform.

Upcoming:

- Conduit routing installation for station utilities power and comms.
- Backfilling and slab-on grade construction
- Stair landing construction

Mooney's Bay Station: Impacts

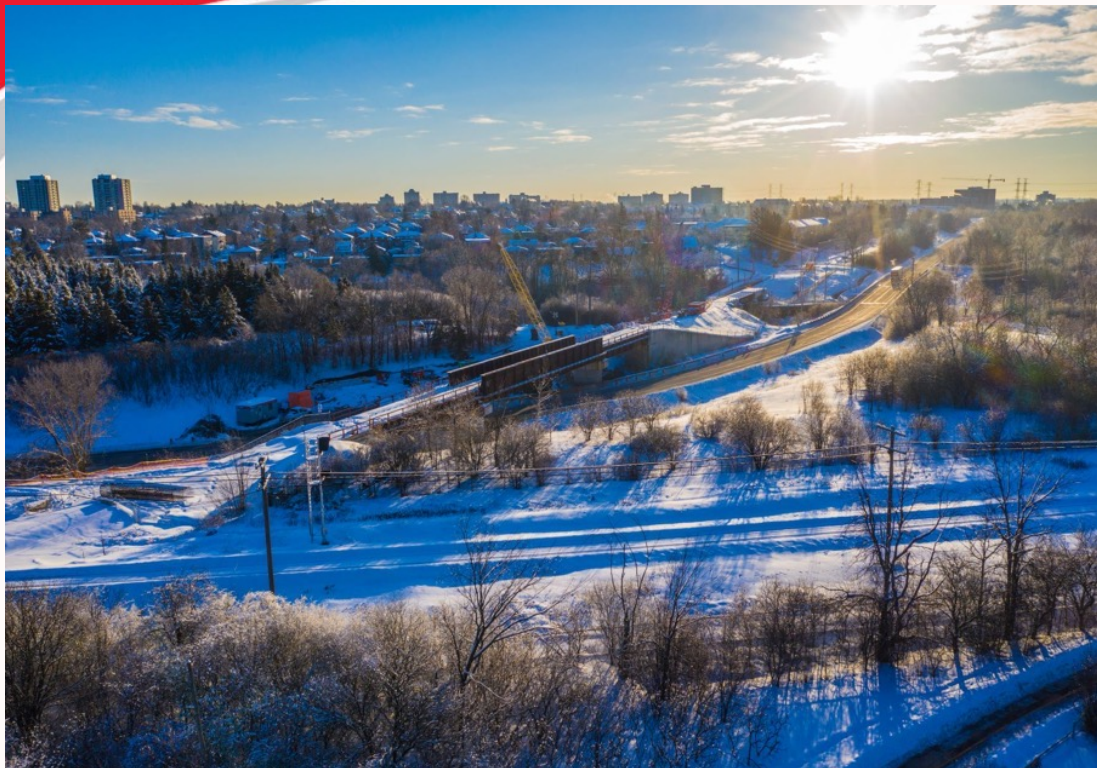
- Noise due to increased truck traffic.

Ellwood Diamond Rail Bridge

- Located South of Heron Road, East of the Airport Parkway, West of the Transitway.
- Rail-over rail bridge that will allow the South Extension line to pass over the VIA rail line where they intersect.

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View of the Ellwood Diamond site from the Airport Parkway

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View of the Ellwood Diamond site from above the Transitway

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Ellwood Diamond Rail Bridge: Progress

Completed:

- 8 out 9 Caissons poured.
- North abutment poured.
- Column 7 poured (on top of caisson).

Ongoing:

- Rail bridge foundation work is continuing.
- Caisson work is continuing.
- Preparations are underway for the rail bridge demolition.

Upcoming:

- Relocation of existing utilities.
- Demolition of creek bridge and Rail bridge over Transitway.
- Completion of cassion construction for elevated guideway separation.
- Pier cap, column and bearing construction.

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Ellwood Diamond Rail Bridge: Impacts

- An existing segment of the Brookfield MUP closed in October. A temporary detour has been implemented and will be in place until the end of 2021.
- Impacts to the Transitway are not uncommon, with hauling operations occurring approximately once a month. Delays on the Transitway are approximately one minute, once an hour.
- Noise and vibrations due to caisson drilling. Caisson work almost complete.

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Walkley Station

- A new station located south of Walkley Road, between the Transitway and Anand Private.
- The station will front onto Walkley Road east of the Transitway Station and will consist of stairs and elevators from the entrance to the platform within the fare paid zone.

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Walkley Station Features

- One entrance, fronting onto Walkley Road between the Transitway and Anand Private.
- Two elevators located in the plaza, at-grade with Walkley Road.
- Bus connections to and from the Walkley bus station locations.
- 20 bicycle parking spots to allow cyclists to easily transfer from cycling to rail and vice versa.
- Passenger Pick-up / Drop-off proposed for the station, variation process is underway.

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Future Enhancements



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This image is an artistic representation of the Walkley Station design. The final product may not be exactly as shown.

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View of Walkley Station site looking south from Walkley Road

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Walkley Station Progress

Completed

- Platform footing poured.
- Crane pad for shoring wall complete.
- Drilling of piles (16 piles in total) for shoring wall complete.

Ongoing

- Formwork for footing walls currently being installed.
- Footing walls rebar placement is nearing completion.
- Excavation at the station area is ongoing.
- Lagging installation has commenced in sequence with the station excavation.

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Walkley Station Progress

Upcoming

- Complete construction of shoring wall
- Relocation of the watermain
- Complete forming and concrete pouring of platform walls
- Installation of duct banks in the platform area

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Impacts at Walkley Station

- Noise.
- Traffic impacts due to increased truck movement.

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Walkley Maintenance and Storage Facility (MSF)

- Located east of the rail line, between Walkley Station and Greenboro Station.
- Vehicles will be cleaned, inspected, maintained, washed, stored and operated from Walkley Yard Maintenance and Storage Facility (MSF).
- A new facility is being built to perform maintenance on the new Stadler FLIRT vehicles being procured to support the extension, as well as the existing six Alstom Coradia Lint Trains.

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This image is an artistic representation of the Walkley Yards Maintenance and Storage Facility (MSF) design. The final product may not be exactly as shown.

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View of the exterior of the Walkley MSF

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Concrete slab flooring being poured

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Train maintenance pit (left) and mechanical and electrical rooms (right)

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Walkley MSF: Progress

Completed

- MSF Maintenance Building foundation work is completed.
- MSF Maintenance Building exterior envelope work is completed.

Ongoing

- Slab on grade pours are ongoing inside MSF building
- Mechanical rough in is ongoing inside MSF building.
- Interior masonry walls rough in are ongoing inside MSF building

Upcoming

- Completion of concrete pouring and electrical work

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Walkley MSF: Impacts

- Increased noise due to truck traffic.

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