

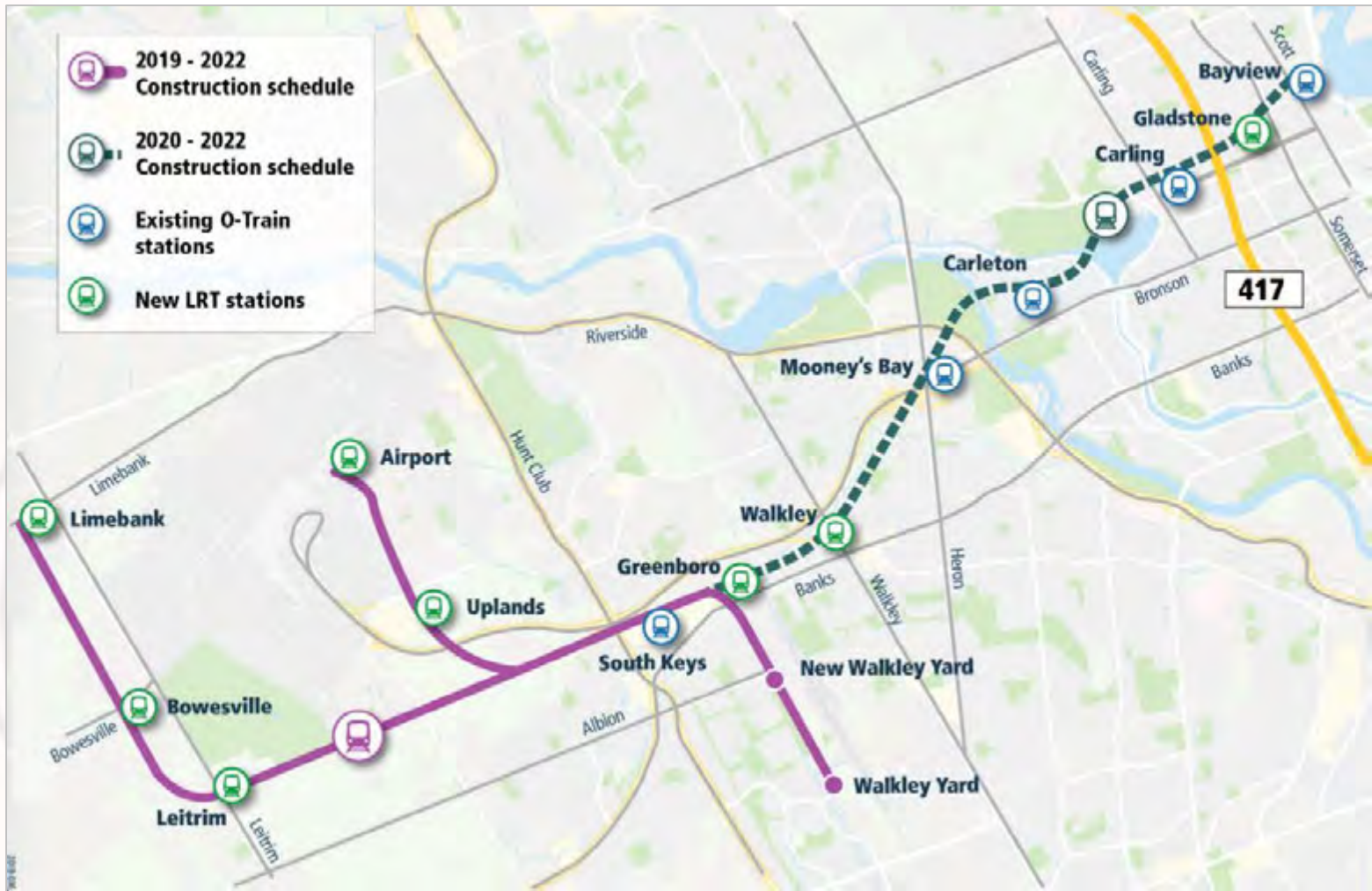
Stage 2 Light Rail Transit Update

Stage 2 Benefits

- Stage 2 will add:
 - 44 km of rail;
 - 24 stations;
 - 45 vehicles; and,
 - 2 additional maintenance and storage facilities;
- The total economic output from the project is approximately \$5.6 billion (2018\$) and over 27 thousand person-years of employment; and,
- With Stage 2 completed, the City's O-Train network will bring 77% of Ottawa residents within 5 km of fast, efficient, clean and reliable light rail service.

O-Train South Extension

O-Train South Extension – Construction



O-Train South Extension – Construction

Airport Link

- Topsoil removal and capping with gravel along the alignment;
- Installation of ditches and culverts along the line underway; and,
- Utilities investigations around structures for the elevated guideway at the Airport continues.

O-Train South Extension – Construction



O-Train South Extension – Construction



O-Train South Extension – Construction



O-Train South Extension – Construction

New Maintenance and Storage Facility (MSF)

- The main track at the existing Walkley Yard MSF was shifted to make room for the footprint of the new MSF building.

O-Train South Extension – Construction



O-Train South Extension – Construction



South Extension Upcoming Activities

- Caisson drilling for rail bridges;
- Utility relocation along Airport link;
- Rail delivery begins; and,
- New MSF building foundation works.

South Extension Upcoming Activities



South Extension Upcoming Activities



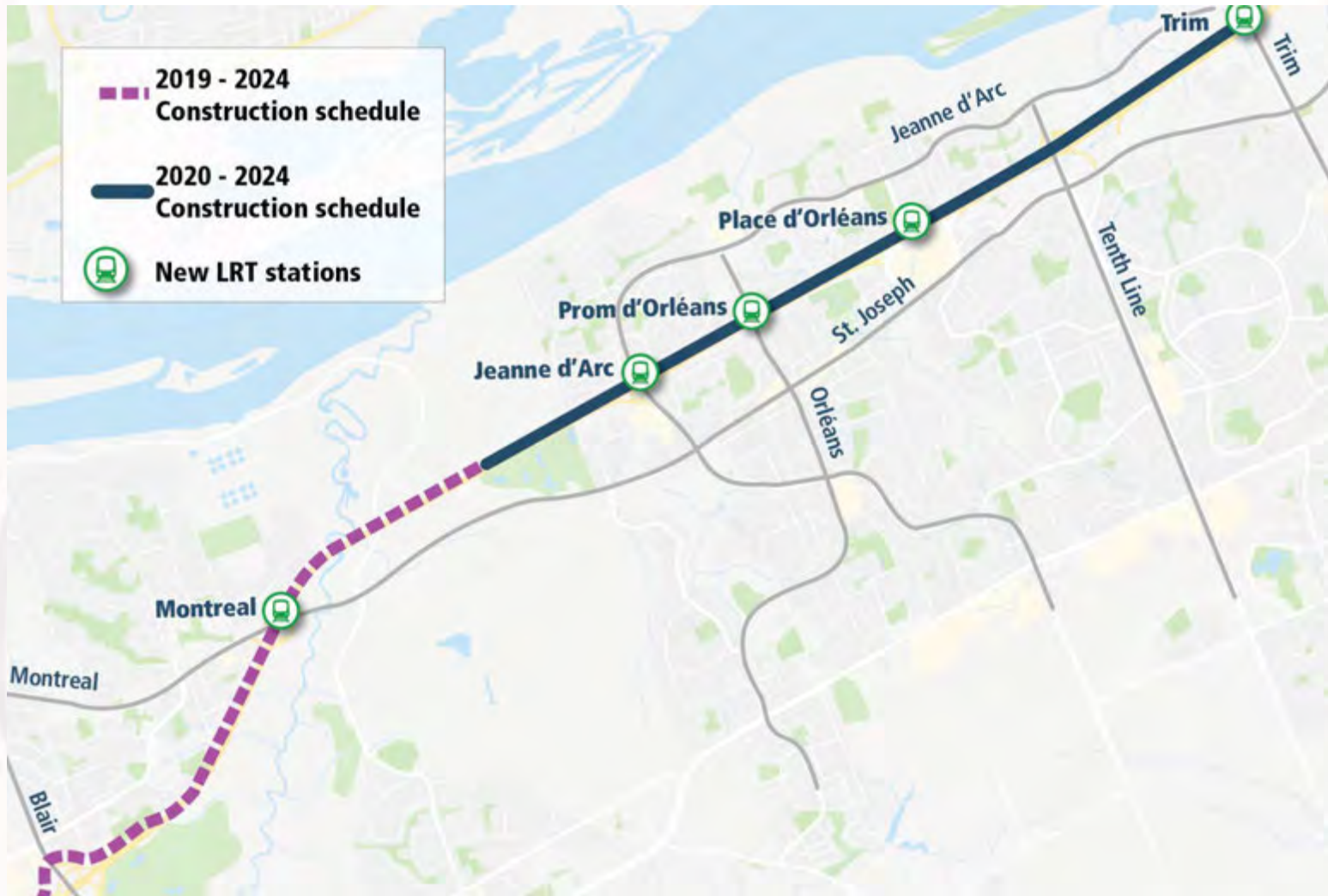
Stadler Vehicles

- The Stage 2 O-Train South vehicle contract included a number of requirements for the new Diesel Multiple Unit (DMU) vehicles, including, but not limited to:
 - Tier IV Final Emissions Standards (latest EPA standard);
 - Increased door count for efficient passenger flow as compared to the previous and existing vehicles;
 - Operating range of -40C to +40C degrees; and,
 - 35 year lifespan with conversion to electric possible.

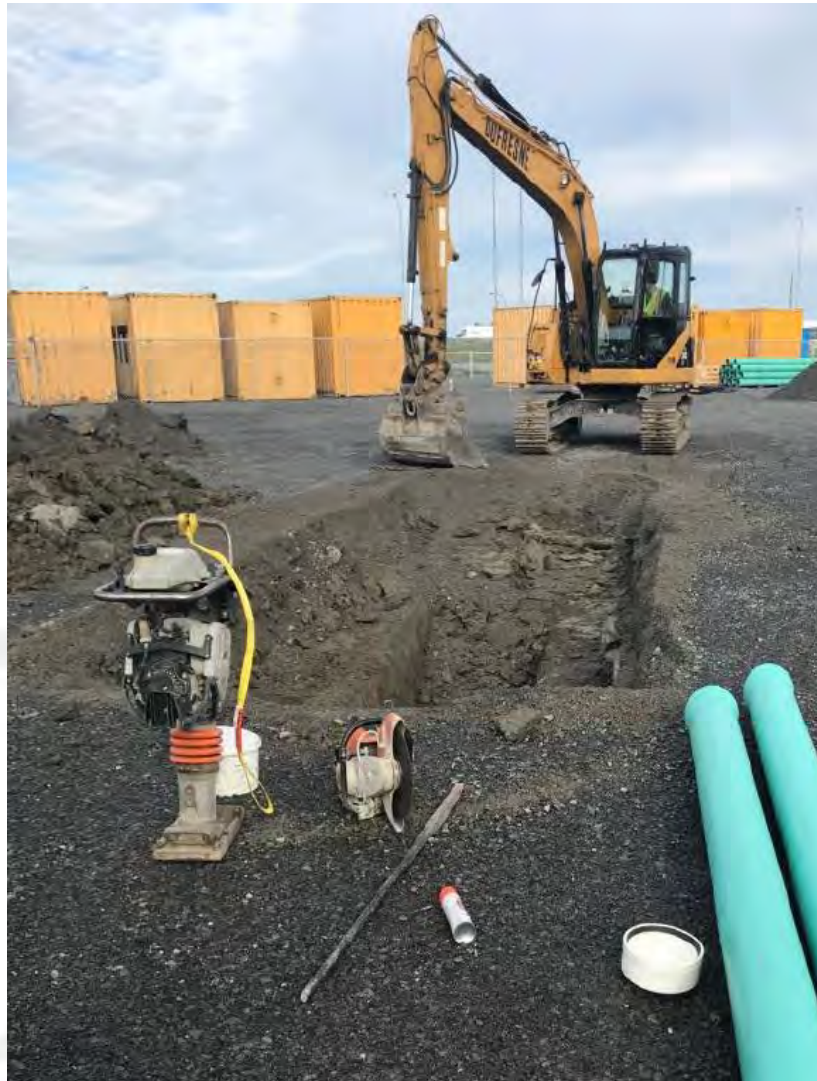


O-Train East and West Extensions

O-Train East Extension Construction



O-Train East Extension Construction



O-Train West Extension Construction

- Site office construction at Woodroffe Avenue and Baseline Road;
- Sir John A. Macdonald (SJAM) Parkway works:
 - Initial SJAM detour in place;
 - Multi-Use Pathway (MUP) widening complete;
 - Stripping, grubbing, proof rolling complete; and,
 - Continuing construction for road realignment.
- Borehole investigation – target of mid-October for completion; and,
- Pre-construction surveys of site and buildings ongoing.

O-Train West Extension Construction



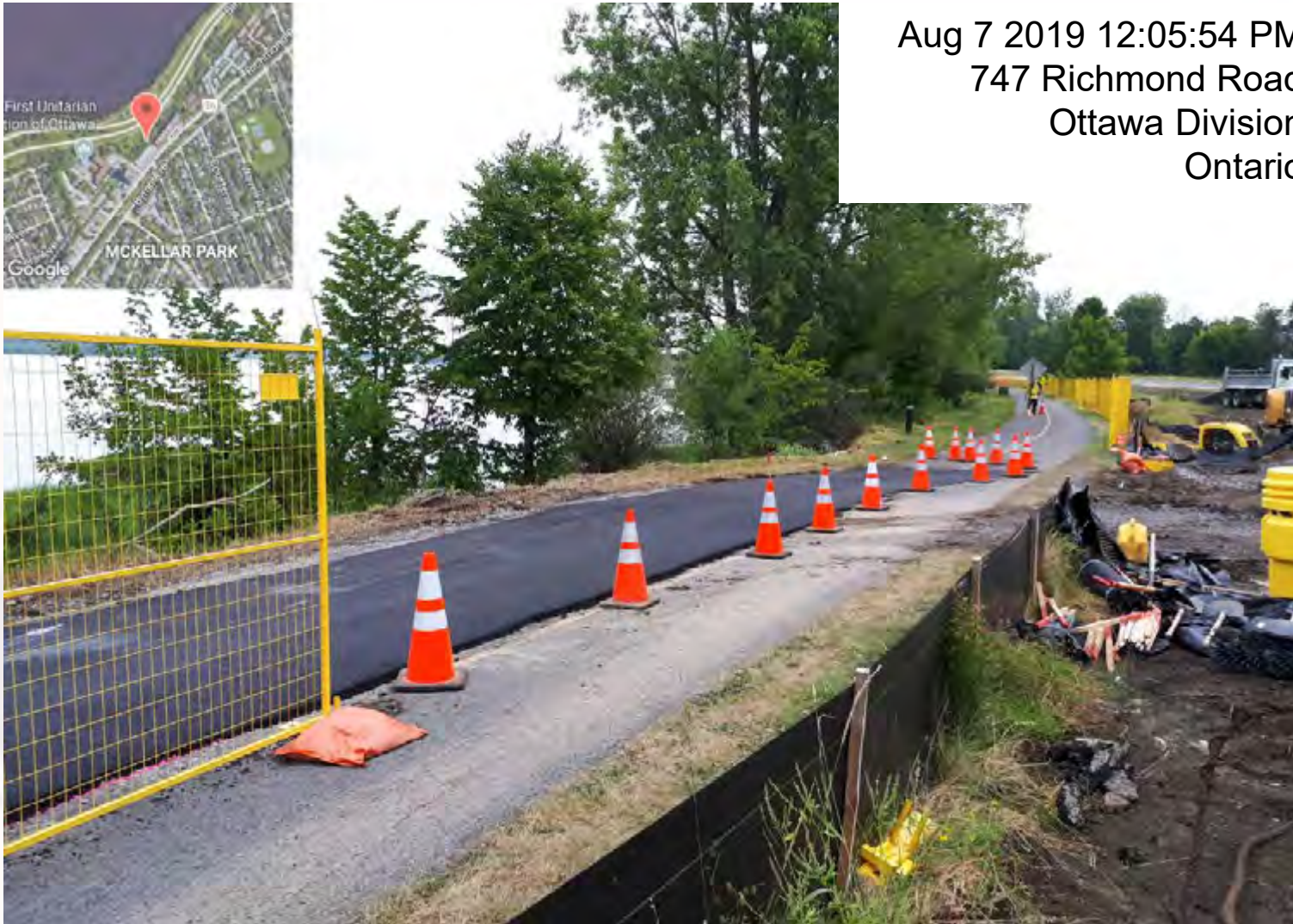
O-Train West Extension Construction



Jul 2, 2019 9:35:02 AM
727 Richmond Road
Ottawa Division
Ontario

O-Train West Extension Construction

Aug 7 2019 12:05:54 PM
747 Richmond Road
Ottawa Division
Ontario



Upcoming East & West Activities

Fall 2019:

- Tree clearing along the full alignment;
- OR 174 widening begins;
- Montreal bridges and flyover preparatory works;
- Utility works near Kitchissippi Lookout, Richmond Road and OR 174;
- Carling Avenue bridge rehabilitation; and,
- Pinecrest Creek culvert.

Questions?