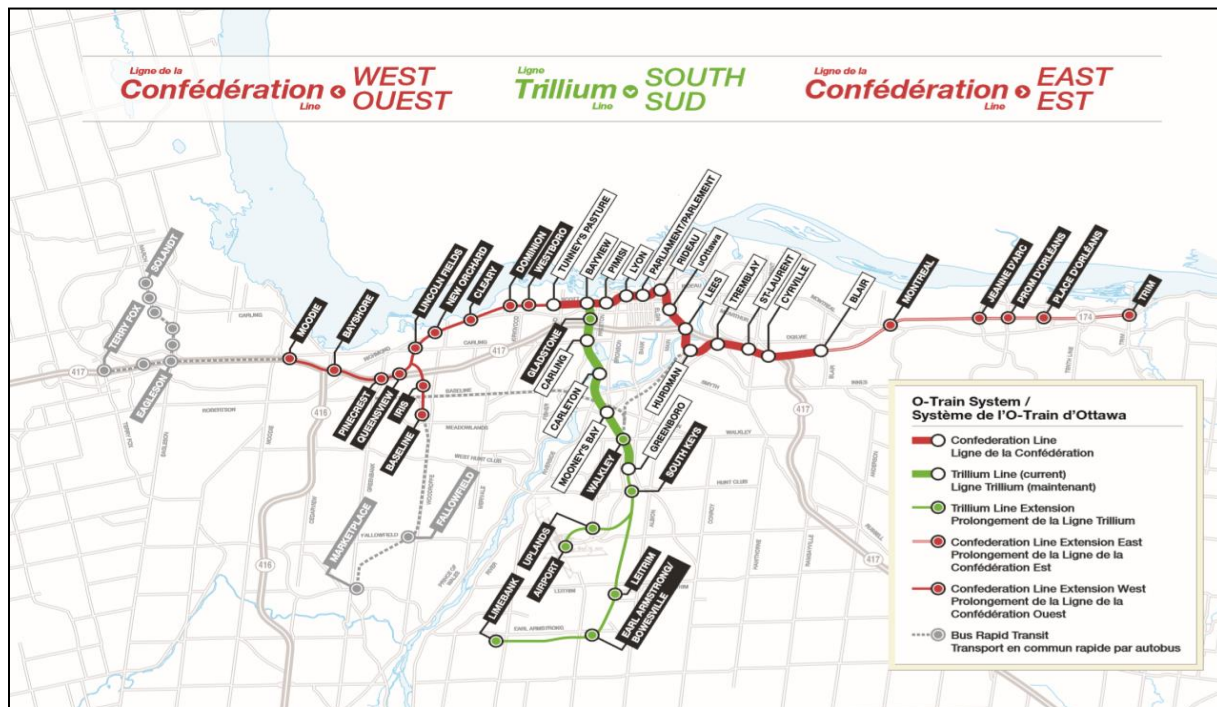


Stage 2 Light Rail Transit (LRT) Project

Overview

- The Stage 2 Light Rail Transit (LRT) project is the cornerstone of the City of Ottawa’s 2013 Transportation Master Plan (TMP). The plan builds on the Confederation Line Light Rail Transit Project, from Tunney’s Pasture to Blair, and the existing Trillium Line, running from Bayview to Greenboro.
- The Stage 2 LRT project is a package of three extensions – south, east, and west - totalling 44 kilometres of new rail and 24 new LRT stations.
 - To the **south**, Trillium Line will be extended from Greenboro Station to Limebank Station, with a link to the Ottawa International Airport; the Trillium Line extension includes 16 km of new rail, and 8 new stations (2 of which will be added to the existing line, Gladstone Station and Walkey Station).
 - To the **east**, Confederation Line will be extended from Blair Station to Trim Station; the Confederation Line east extension includes 12km of new rail and 5 new stations.
 - To the **west**, Confederation Line will be extended from Tunney's Pasture Station to Moodie Station and southwest to Baseline Station; the Confederation Line west extension includes 15km of new rail and 11 new stations.





Backgrounder: Stage 2 LRT Contract Award

- The procurement for the project has been separated into two projects – Confederation Line and Trillium Line. The procurement model is based on a Public – Private Partnership (P3).
- The project incorporates a number of “bundled” projects, including various City infrastructure projects such as pedestrian facilities, sewer and stormwater management upgrades.
- The rail network will be fully integrated with the communities it serves and will include cycling and pedestrian pathways to encourage sustainable transportation.
- Once Stage 2 is complete, commuting will be forever transformed in Ottawa with more than 77 per cent of the city's population living within five kilometres of a reliable, clean, and convenient light rail transit system.
- For more information on the Stage 2 LRT project, please visit stage2lrt.ca or email stage2@ottawa.ca.

Legislative Background

The Stage 2 LRT project has evolved over the years; project evolution occurs in partnership with Council approval and direction, as outlined below. Stage 2 LRT Council reports are available on the project website, under the ‘Resources’ tab, in addition to past project presentations (<https://www.stage2lrt.ca/resources/>).

- July 8, 2015 – Council approved the **Stage 2 Light Rail Transit (LRT) Environmental Assessment and Functional Design Report**
 - The report laid out the Environmental Assessment (EA) process for Stage 2, including the systems functional design;
 - The report requested budget authority to begin the Preliminary Engineering effort and approval of the Business Case for the Project; and,
 - The report requested authority to engage with the federal and provincial governments to secure provincial and federal government and other potential funding partnerships for the Stage 2 LRT Project.
- September 1, 2015 - the Finance and Economic Development Committee received the **Stage 2 Ottawa Light Rail Transit Preliminary Engineering and Project Management Services Contract Report**
 - The report identified that Capital Transit Phase 2 (CTP2), the private sector Owner’s Engineer team which had won the competitive procurement process to lead the preliminary design and other support for the Confederation Line, had been contracted to advance the Stage 2 design through preliminary engineering.
- May 11, 2016 – Council approved the **Stage 2 Light Rail Transit Alignment Improvements Report**



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- Resulting from the direction to begin preliminary engineering in preparation for procurement, staff put forward the following alignment adjustments for approval:
 - Shift at Cleary for the Confederation Line West extension
 - Alignment adjustments in the vicinity of Blair Road and Montreal Road for the Confederation Line East extension
- March 8, 2017 – Council approved the **Stage 2 Light Rail Transit Implementation Report – Project Definition and Procurement Plan Report**
 - The report requested approval for the incorporation of the following alignment changes and other refinements into the procurement process:
 - Confederation Line West extension design updates:
 - Alignment improvement at Richmond Road;
 - Alignment improvement and station shift at Lincoln Fields
 - Pinecrest Creek Re-alignment at Iris Station
 - Bayshore Station shift; and,
 - Golden Rod Bridge Connection.
 - Trillium Line extension design updates:
 - Airport Station shift;
 - Relocated Walkley Yard Maintenance and Storage Facility; and,
 - Leitrim Road overpass shift.
 - The Trim Extension and the Airport Rail Link
 - The Moodie Extension and MSF
 - Bundled City infrastructure projects
 - The report requested direction to initiate an Environmental Assessment to the West Transitway Extension Environmental Assessment Study (Bayshore Station to Moodie Drive) to advance the conversion from bus rapid transit to light rail transit.
 - The report requested approval of an updated Stage 2 Business Case.
 - The report set the foundation for a competitive procurement process to take place for all three rail extensions, including:
 - A Design, Build, Finance (DBf) procurement process for the Confederation Line East and West extensions; and,
 - A Design, Build, Finance, and Maintain (DBFM) procurement process for the Trillium Line extension.
 - A Memorandum of Understanding (MOU) between the City and RTG, which provides for a fixed-price for the project components and services that will be delivered by RTG.
- June 19, 2017 - **Memo To Council: Stage 2 LRT Project Update**
 - The memorandum provided an update on some of the key requirements outlined in the Stage 2 Light Rail Transit Implementation Project Definition and Procurement Plan report (approved by Council on March 8, 2017) and the Federal infrastructure funding announcement made on June 16, 2017 that have been achieved in order for the Request for Proposals (RFP) to proceed, including:
 - Securing both the Federal and Provincial funding contribution commitments;
 - Providing the results of the Confederation Line Request for Qualifications (RFQ) evaluation;



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- Selecting a short list of bidders for the Confederation Line RFP;
 - Confirming the funding for the Ministry of Transportation of Ontario's Highway 417 Expansion (from Maitland Avenue to Highway 416); and,
 - Updating other City projects for possible bundling with Stage 2.
- July 17, 2017 – **Memo to Council: Stage 2 LRT Procurement Update**
 - The memorandum provided an update on the Stage 2 Light Rail Transit (LRT) procurement process, including:
 - The results of the Trillium Line Request for Qualifications (RFQ) evaluation; and,
 - A short list of bidders for the Trillium Line RFP.
- September 13, 2017 – Council approved the **Stage 2 Light Rail Transit Project and Procurement Update Report**
 - The report provides an overview of the functional design of the extension to Moodie Station and a Light Maintenance and Storage Facility (LMSF).
 - The report provides updates to the Trillium Line procurement process, including the alignment shift of the future Bowesville Station further south near the intersection of Bowesville and Earl Armstrong.
- September 29, 2017 – **Memo to Council: Stage 2 LRT Procurement Update – Belfast Variation**
 - The memorandum indicates that the City has executed the Variation with the Rideau Transit Group Partnership (RTG) for the expansion of the Belfast Yards Maintenance and Storage Facility for the maintenance and storage of the Stage 2 vehicles.
- March 12, 2018 – **Memo to Council: Stage 2 LRT Procurement Update**
 - The memorandum provides an update on the Stage 2 Light Rail Transit (LRT) procurement timeline shift, and indicates the Ministry of the Environment and Climate Change's approval to the City to proceed with the following Stage 2 LRT elements:
 - Bayshore to Moodie Bus Rapid Transit (BRT) Conversion to Light Rail Transit (LRT) Environmental Assessment (EA); and
 - Baseline/Woodroffe Stormwater Management Pond Municipal Class Environmental Assessment and Functional Design.
- August 15, 2018 – **Memo to Council: Highway 417/Stage 2 LRT Un-Bundling**
 - The memorandum indicates that the Ministry of Transportation of Ontario (MTO) Highway 417 Expansion Project (from Maitland Avenue to Highway 416) will not be proceeding at this time, and is being un-bundled from the Stage 2 LRT project.