

Confederation Line Maintenance and Storage Facility (MSF)

Backgrounder

The Maintenance and Storage Facility (MSF), located on Belfast Road, is a key feature of the Confederation Line, Ottawa's Light Rail Transit (LRT) project. The MSF is where the Confederation Line's 32 Light Rail Vehicles (LRV) will be assembled and subsequently stored and maintained.

The MSF site will feature an administration building where LRV will be maintained and that will house the headquarters for the maintenance of the Confederation Line, and a shed where vehicles will be cleaned and stored.

The MSF site is located south of the Confederation Line. LRV will access the MSF from the main guideway via a connector tunnel. The connection track will run parallel to Belfast Road, south from Tremblay Road and will cross under the existing VIA Rail line.



Construction

Some of the first work related to the Confederation Line project took place at the MSF site. In spring 2013, a variety of preliminary activities began, including the demolition of the existing structures. Demolition was completed in fall 2013 and site grading and utility work is scheduled to be completed in spring of 2015.

Construction of the new facility began this spring and is anticipated to be completed in summer 2015. Construction of the connector tunnel is anticipated to begin in May 2014 and all work including Belfast Road reconstruction is scheduled to be completed in spring 2016.

The completion of the MSF yard which will include the construction of site roads, curbs and sidewalks, landscaping, fencing, track work, etc. is anticipated to be completed in fall 2015. The installation and testing of the train systems is expected to begin winter 2015 and scheduled to be completed by spring or summer 2016. The site is scheduled to be fully operational in 2016.

Traffic Impacts

Some additional activity is required in support of Confederation Line construction and the MSF, such as construction of the connector tunnel, utility relocations and replacement of the Belfast Bridge. These works will require the closure of Belfast Road from Coventry Road to Trainyards Drive.

Belfast Road south of Tremblay Road to Trainyards Drive will be closed from May 2014 to May 2016 (pedestrian and cycling access will be maintained). Belfast Road north of Tremblay Road to Coventry Road will be closed from June 2014 to June 2015 (this section will reopen to pedestrians and cyclists in January 2015).

MSF and the Community

The MSF site has been designed to integrate with the various surrounding land uses – residential, commercial, light industrial and retail. Rideau Transit Group (RTG) and the City of Ottawa recognize the importance of being a good neighbour by minimizing the impact of construction on adjacent businesses, residences and the natural environment.

The MSF design also recognizes sensitivity to the impact of operations on neighbours. Noise and vibration will be mitigated with specific engineered solutions, such as the noise berm. Final landscaping will improve the appearance of the site as well as provide a visual barrier. Storm water will also be managed on site with the use of a retention pond. The objective of the design is to seamlessly integrate the MSF with the local community.

The MSF will be a world-class Centre of Excellence for vehicle assembly, maintenance and operations. Approximately 100 jobs will be created at the facility in maintenance, manufacturing, assembly and testing and vehicle quality control. The Confederation Line will consist of highly advanced technology and systems which will require skilled tradespersons and technicians for maintenance. These employees will be highly trained and qualified to maintain these systems and it is anticipated that the majority of these employees will be hired locally.

Sustainability and LEED Certification

RTG is committed to its sustainability goals; 90% of materials generated from the demolition of the buildings located on the MSF site have been recycled. The design of the administration building will fully satisfy LEED Canada-NC Certified requirements.

Other energy savings efforts and technologies are also being used such as high efficiency boiler and lighting systems.

About the Confederation Line

The Confederation Line is a \$2.1 billion LRT system that will run from Tunney's Pasture in the west to Blair Station in the east. At 12.5 kilometres in length, the LRT will be constructed primarily along the City of Ottawa's existing Transitway with the exception of a 2.5 kilometre tunnel underneath the downtown core. The Confederation Line consists of 13 stations, including three underground downtown stations, and the MSF. This project is being built as a public-private partnership (P3) between the City of Ottawa and RTG with financial commitments from the Government of Canada and the Province of Ontario.

For more information on the Confederation Line please visit www.ottawa.ca/confederationline or contact your Community Liaison Officer.

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