

Trillium Line Structure Summary

Structure Number	Structure Name	Governmental Authority	Structure Type	Structure Conveyance	Subject to Freight Loading and Clearance on the Structure	Subject to Freight Clearance under Structure	NMI or SI	Date of Most Recent Inspection	Bridge Aesthetic Level and Classification	Geometric Structural Requirements		Scope of Design/ Construction Work							Additional Comments/Requirements		
										Structure Cross Section to Accommodate	Structure to Span Over	New - Design & Construction	Rehabilitate/Modify	Repair, Modify or Replace	Remove Structure	Install Bridge Structure Fencing	Structural Evaluation	Seismic Evaluation		DCA & Recommendation	
Mainline																					
SN225710	Limebank Road Bridge	City of Ottawa	New Grade Separation	Roadway or Railway	-	-	NMI - Roadway Bridge SI - Railway Bridge	-	3-Low	<ul style="list-style-type: none"> Proposed Limebank Road cross section or NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway Future MUP on south side of Track Future collector road on north side of Track or Proposed Limebank Road cross section Future MUP on south side of track corridor Future MUP between north and south side of track corridor 	X									<ul style="list-style-type: none"> Proponent to design and construct a grade separation at Limebank Road that will either accommodate the roadway over the alignment or the alignment over the roadway
SN225050	Mosquito Creek Rail Bridge	City of Ottawa	New Elevated Guideway	Railway	-	-	SI	-	3-Low	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Mosquito Creek Wildlife crossing 	X									
SN225690	Bowesville Road Bridge	City of Ottawa	New Grade Separation	Roadway or Railway	-	-	NMI - Roadway Bridge SI - Railway Bridge	-	3-Low	<ul style="list-style-type: none"> Proposed Bowesville Road cross section or NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway MUP Proposed Bowesville Road cross section 	X									<ul style="list-style-type: none"> Proponent to design and construct a grade separation at Bowesville Road that will either accommodate the roadway over the alignment or the alignment over the roadway
SN225680	Earl Armstrong Bridge	City of Ottawa	New Grade Separation	Roadway or Railway	Yes	Yes	NMI - Roadway Bridge SI - Railway Bridge	-	3-Low	<ul style="list-style-type: none"> Existing Earl Armstrong Road cross section or NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway East MUP or Existing Earl Armstrong Road cross section 	X				X					<ul style="list-style-type: none"> Proponent to design and construct a grade separation at Earl Armstrong Road that will either accommodate the roadway over the alignment or the alignment over the roadway
SN225670	High Road Bridge	City of Ottawa	New Overhead Bridge	Pedestrian/Maintenance Vehicle	-	Yes	NMI	-	3 - Low	<ul style="list-style-type: none"> MUP 	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	X				X					
SN225610	Leitrim Road Bridge	City of Ottawa	New Grade Separation	Roadway or Railway	Yes (applicable to rail over road only)	No	NMI - Roadway Bridge SI - Railway Bridge	-	3 - Low	<ul style="list-style-type: none"> Proposed Leitrim Road cross section or NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway East MUP 2 Existing watermain Proposed Leitrim Road cross section 	X				X					<ul style="list-style-type: none"> Proponent to design and construct a grade separation at Leitrim Road that will either accommodate the roadway over the alignment or the alignment over the roadway
SN225620	Rail Bridge over Lester Road	City of Ottawa/NCC	New Elevated Guideway	Railway	No - if freight bypass is provided	-	SI	-	3 - Low	<ul style="list-style-type: none"> Single track Alignment Emergency walkway 	<ul style="list-style-type: none"> Proposed Lester Road cross section 	X									<ul style="list-style-type: none"> Centre pier shall be prohibited.
SN055350	Hunt Club Road Bridge	City of Ottawa	4-Span Concrete Bridge	Railway	Yes	-	SI	June 20, 2017	-	<ul style="list-style-type: none"> SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Existing Hunt Club Road cross section 			*			X	X			
SN055440	Rail Bridge over Hunt Club Road	City of Ottawa	New Elevated Guideway	Railway	No	-	SI	-	3 - Low	<ul style="list-style-type: none"> NB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Existing Hunt Club Road cross section 	X									
SN058620	Hunt Club MUP Bridge	City of Ottawa	New Pedestrian Bridge	Pedestrian/Maintenance Vehicle	-	-	SI	-	1 - High	<ul style="list-style-type: none"> MUP 	<ul style="list-style-type: none"> Existing Hunt Club Road cross section 	X									
SN055740	Rail Bridge over MUP North of Hunt Club Road	City of Ottawa	New Pedestrian Underpass	Railway	Yes	-	SI	June 20, 2017	1 - High	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> MUP 	X								<ul style="list-style-type: none"> Structure shall have a minimum opening of 6m wide by 3m high 	
SN058490	Rail Bridge over MUP at South Keys Station	City of Ottawa	Single-Span Concrete Rigid Frame	Railway	Yes	-	SI	June 20, 2017	-	<ul style="list-style-type: none"> NB & SB track Alignment Train Platform NB & SB track Alignment Emergency walkway NB & SB Transitway lanes 	<ul style="list-style-type: none"> MUP 		X			X		X		<ul style="list-style-type: none"> Structure shall have a minimum opening of 6m wide by 3m high 	
SN055900	Walkley Yard Lead over Transitway	City of Ottawa	Single-Span Concrete Arch	Railway	Yes	-	SI	July 5, 2017	-	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Existing Transitway cross section 			*			X	X			
SN055910	Rail Bridge over Transitway at Walkley Yard Connecting Track	City of Ottawa	Single-Span Concrete Arch	Railway	Yes	-	SI	July 5, 2017	-	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Existing Transitway cross section 			*			X	X			
SN055470	Sawmill Creek Culvert	City of Ottawa	Single-Span Concrete Rigid Frame	Railway	Yes	-	SI	July 5, 2017	-	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Sawmill Creek 			*		X		X			
SN055200	Sawmill Creek Bridge	City of Ottawa	3-Span Steel Plate/Prestressed Concrete Girder Bridge	Railway	Yes	-	SI	June 20, 2017	-	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Sawmill Creek Brookfield Pedestrian Bridge 					X					
SN055930	Rail Bridge over Southeast Transitway	City of Ottawa	3-Span Steel Plate Girder Bridge	Railway	Yes	-	SI	June 30, 2017	-	<ul style="list-style-type: none"> NB & SB track Alignment Emergency walkway 	<ul style="list-style-type: none"> Existing Transitway cross section 					X					

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SN055940	VIA Grade Separation at Ellwood Diamond	City of Ottawa	New Elevated Guideway	Railway	No	Yes-	SI	-	3 - Low	• Alignment • Emergency walkway	• Existing VIA Track • Existing Transitway Configuration • Sawmill Creek • Existing Brookfield MUP	X										• The substructure shall be overbuilt in order to accommodate a future second track
SN015290	Rideau River Bridge	City of Ottawa	5-Span Riveted Steel Bridge	Railway	Yes	-	SI	June 22, 2017	see notes	• NB & SB track Alignment • Emergency walkway	• Rideau River • Existing University Drive cross section • South MUP		*			X	X	X				If replaced instead of repaired, the new structure's aesthetic level would be 1 - High
SN018750	University Road Pedestrian Bridge over Rideau River	City of Ottawa	New Pedestrian Bridge	Pedestrian/ Maintenance Vehicle	-	-	NMI	-	1-High	• MUP	• Rideau River	X										• The Structure shall have a minimum clear width of 5m • The Structure shall have a minimum clear span of 63.5m
SN018510	South Rail Bridge over MUP at Carleton University	City of Ottawa	Single-Span Reinforced Concrete Bridge	Railway	Yes	-	SI	June 20, 2017	-	• NB & SB track Alignment • Emergency walkway	• MUP		X			X		X				
SN018490	North Rail Bridge over MUP at Carleton University	City of Ottawa	Precast Box Culvert	Railway	Yes	-	SI	June 20, 2017	-	• NB & SB track Alignment • Emergency walkway	• MUP	X										• Structure shall have a minimum opening size of 9m wide x 3m high
SN015440	Carleton University Tunnel at Carleton Station	Carleton University	New Pedestrian Tunnel	Railway	Yes	-	SI	-	3 - Low	• NB & SB track Alignment • Emergency walkway	• Future Pedestrian Walkway	X										• Structure shall have a minimum opening size of 9m wide x 3m high
SN015430	Existing Carleton University Tunnel System	Carleton University	Concrete Box Tunnel	Railway	Yes	-	NMI	Unknown	-	• NB & SB track Alignment • Emergency walkway	• Existing Pedestrian Walkway		*		X							
SN019020	Existing Tunnel under Dow's Lake	City of Ottawa	Existing Concrete Tunnel	Railway	-	-	SI	July 5, 2017	-	• Dow's Lake	• Single track Alignment • Emergency walkway		X							X		
SN055330	Walkley Road Overpass O-Train Line	City of Ottawa	Existing Structure	Roadway	-	-	NMI	October 26, 2016	-	• Existing Walkley Road Configuration	• Track Alignment • Emergency walkway					X						
SN055260	Heron Road Overpass O-Train Line	City of Ottawa	Existing Structure	Roadway	-	-	NMI	September 9, 2016	-	• Existing Heron Road Configuration	• Track Alignment • Emergency walkway					X						
SN055280	Riverside Drive Overpass O-Train Line	City of Ottawa	Existing Structure	Roadway	-	-	NMI	September 9, 2016	-	• Existing Riverside Drive Configuration	• Track Alignment • Emergency walkway					X						
SN015850	Campus Avenue Overpass O-Train Line	City of Ottawa	Existing Structure	Roadway	-	-	NMI	May 22, 2018	-	• Existing Campus Avenue Configuration	• Track Alignment • Emergency walkway					X						
SN015340	Somerset Street Overpass O-Train Line	City of Ottawa	Existing Structure	Roadway	-	-	NMI	July 16, 2014	-	• Existing Somerset Street Configuration	• Track Alignment • Emergency walkway					X						
SN018430	Trinity Pedestrian Bridge	City of Ottawa	New Pedestrian Bridge	Pedestrian/ Maintenance Vehicle	-	No	SI	-	1 - High	• Pedestrian Connection	• Track Alignment • Emergency walkway • MUP	X										
SN015380	Albert Street Overpass O-Train Line	City of Ottawa	Existing Structure	Roadway	-	-	NMI	August 14, 2016	-	• Existing Albert Street Configuration	• Track Alignment • Emergency walkway					X						
Airport Rail Link																						
SN225640	Rail Bridge over Uplands Drive	City of Ottawa/NCC	New Elevated Guideway	Railway	No	-	SI	-	1 - High	• EB & WB track Alignment • Emergency walkway	• Future Uplands Drive cross section	X										Subject to NCC Requirements. NBC Applies on Federal Lands.
SN225630	Rail Bridge over Airport Parkway	City of Ottawa/NCC	New Elevated Guideway	Railway	No	-	SI	-	1 - High	• EB & WB track Alignment • Emergency walkway	• Future Airport Parkway cross section	X										Subject to NCC Requirements. NBC Applies on Federal Lands.
SN225110	Elevated Guideway to OMCIA Terminal	City of Ottawa/NCC	New Elevated Guideway	Railway	No	-	SI	-	1 - High	• EB & WB track Alignment • Emergency walkway	• Existing Road Network • Existing parking • Existing utilities	X										NBC Applies on Federal Lands

* The need to repair, modify or replace the structure shall be determined by Project Co following the completion of the required structural reports.