

Toronto 2018 BUDGET



CAPITAL BUDGET NOTES



Transportation Services

2018 – 2027 CAPITAL BUDGET AND PLAN OVERVIEW

Transportation Services maintains infrastructure comprised of 5,600 km of roads, 7,950 km of sidewalks, 900 bridges/culverts and 2,400 traffic control signals. The 2018 - 2027 Preliminary Capital Budget and Plan of \$5.152 billion focuses on maintaining these assets in a state of good repair (SOGR). Specifically, SOGR funding of \$654.348 million is included for major road rehabilitation, \$758.660 million for local road rehabilitation and \$2.300 billion for the F.G. Gardiner Expressway.

Included in the 10-Year Preliminary Capital Plan are investments of \$12.630 million and \$7.000 million in debt funding for the Glen Road Pedestrian Bridge and York Street Tunnel respectively. This funding will address the current state of deterioration of the Glen Road Pedestrian Bridge (requiring rehabilitation in 2019) and provide the City's contribution for the construction of the York Street Tunnel to provide further extension of the PATH system along York Street south of Bremner Boulevard.

The 10-Year Preliminary Capital Plan also includes funding that has been allocated for safety improvement projects such as Light Emitting Diode (LED) signal module conversions and growth projects such as the King-Liberty Pedestrian & Cycling Bridge.

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Significant Capital Project Changes in Transportation Services:

Cash flow funding for the following previously approved capital projects have been adjusted based on historical spending rates, capacity and expected progress and completion of the projects, as outlined below:

Changes to Previously Approved Projects' Future Year Commitments

Project Cost Decreases:

- *Bathurst Street Bridge Rehabilitation* – Project has been consolidated into the *City Bridge Rehabilitation Program*.
- *Legion Road Extension & Grade Separation, Scarlett/St. Clair/Dundas, and Steeles Widenings (Tapscott Road – Beare Road)* –Decreased due to updated land valuations and engineering cost estimates.
 - *Legion Road Extension & Grade Separation* – Based on a review of project staging, project completion has been deferred from 2021 to 2023.
 - *Scarlett/St. Clair/Dundas* – Based on a review of project readiness, project completion has been accelerated from 2022 to 2021.
 - *Steeles Widenings (Tapscott Road – Beare Road)* – Based on a review of project staging, project completion has been deferred from 2021 to 2022.
- *Ingram Drive Extension & Grade Separation* – Project experienced significant cost escalation as a result of property acquisition requirements. The implementation of the project will be re-evaluated pending further review.
- *Six Points Interchange Redevelopment* –Decreased due to revised cash flow needs for project completion.
- *Work for TTC and Others* –Decreased as anticipated work funded by third parties is expected to decrease in 2018.

Project Cost Increases:

- *City Bridge Rehabilitation* – Based on review of project readiness and historical spending capacity, these project costs were increased to align with actual project timelines and activities. The *Bathurst Street Bridge Rehabilitation* has been included in the program.
- *Port Union Road* – Increased due to updated engineering estimates and land acquisition requirements, not previously identified.
- *North York Service Road* – Increased due to land acquisition requirements and works required within private lands, not previously identified.
- *Road Safety Plan (RSP)* – Increased to reflect funding needs to implement planned 2018 RSP road works.

Deferrals/Accelerations:

- *Local Road Rehabilitation / Major Road Rehabilitation* – Based on the capacity to spend and the readiness to proceed with the projects, cash flow funding was deferred reflecting a decrease in 2018 and increase in 2019 and 2020.

Table 3 below details all capital projects, by category, included in the 2018 - 2027 Preliminary Capital Budget and Plan for Transportation Services:

Table 3
2018 - 2027 Capital Plan by Project Category (In \$000s)

	Total App'd Cash Flows to Date**	2018 Budget	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	2027 Plan	2018 - 2027 Total	Total Project Cost
Total Expenditures by Category													
Health & Safety													
Accessible Pedestrian Signals (Audible Signals)		990	1,490	1,490	1,490	1,490	1,490	1,490	1,490	2,300	2,300	16,020	
Guide Rail Program	2,300	1,950										1,950	4,250
New Traffic Control Signals / Devices		2,180	2,180	2,180	2,180	2,180	2,180	2,180	2,180	2,180	2,180	21,800	
Pedestrian Safety and Infrastructure Programs		734	744	756	767	779		803		814	826	7,851	
Road Safety Plan (Local Geometrics Traffic Safety)	5,763	3,645										3,645	9,408
Salt Management Program		1,131	1,159	1,159	1,159	1,159	1,159	1,159	1,159	1,159	1,159	11,562	
Tactile Domes Installation		1,000	1,015	1,030	1,045	1,061	1,077	1,093	1,109	1,126	1,143	10,699	
Tactile Signals Major Modifications		1,790	1,790	1,790	1,790	1,790	1,790	1,790	1,790	1,790	1,790	17,900	
Sub-Total		13,420	8,378	8,405	8,431	8,459	8,486	8,515	8,542	9,381	9,410	91,427	
State of Good Repair													
City Bridge Rehabilitation		40,883	34,143	33,503	34,021	34,546	35,079	35,621	36,170	36,727	37,293	357,986	
Critical Interim Road Rehabilitation Pool	24,000	8,789										8,789	32,789
Ditch Rehabilitation and Culvert Reconstruction		1,500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,500	
Don Valley Parkway Rehabilitation		2,496	2,558	2,558	2,558	2,558	2,558	2,558	2,558	2,558	2,558	25,518	
Dufferin Street Bridge Rehabilitation	600	350	1,150	5,000	2,000	9,000	9,000					26,500	
F. G. Gardiner*	157,486	73,370	216,770	244,750	251,650	253,550	258,850	1,000,600				2,299,540	2,457,026
Facility Improvements		1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	15,000	
Laneways		2,226	1,800	1,827	1,854	1,882	1,910	1,939	1,968	1,998	2,027	19,431	
Local Road Rehabilitation		56,394	64,753	67,735	70,042	73,925	77,685	81,525	85,645	89,898	91,058	758,660	
Major Road Rehabilitation		54,733	63,120	64,578	64,812	65,070	66,154	67,263	68,598	70,010	70,010	654,348	
Major SOGR Pooled Contingency		3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	38,000	
Neighbourhood Improvements		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000	
Retaining Walls Rehabilitation		1,850	1,320	1,339	1,359	1,380	1,400	1,421	1,443	1,464	1,486	14,462	
Sidewalks		15,247	17,480	16,715	16,955	17,198	17,445	17,695	17,950	18,208	18,208	173,101	
Traffic Plant Requirements/ Signal Asset Management		3,700	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	62,200	
Sub-Total	182,086	268,838	417,894	452,805	460,051	473,909	484,881	1,223,422	229,132	235,663	237,440	4,484,035	
Service Improvements													
Advanced Traffic Signal Control		970	1,350	1,350	1,350	1,350	1,350	1,350	1,350			10,420	
Traffic Wardens / Construction Staging Compliance (Vehicles)		855										855	855
Cycling Infrastructure		8,100	8,303	8,303	8,303	8,303	8,303	8,303	8,303	8,303	8,303	82,827	
Engineering Studies		7,344	5,150	3,038	3,038	3,038	3,038	3,038	3,038	3,038	3,038	36,798	
LED Signal Module Conversion		1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	17,000	
PTIF Projects	75,800	19,885										19,885	95,685
Signs and Markings Asset Management		1,310	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,310	
System Enhancements for Road Repair & Permits	580	903	500									1,403	1,983
Traffic Calming		450	450	450	450	450	450	450	450	450	450	4,500	
Traffic Control - RESCU		250	250	100	100	100	100	100	100	100	100	1,300	
Transportation Safety & Local Improvement Program		1,316	1,336	1,356	1,377	1,397	1,418	1,439	1,461	1,483	1,483	14,066	
Sub-Total	76,380	43,083	20,039	17,297	17,318	17,338	17,359	17,380	17,402	16,074	16,074	199,364	
Growth Related													
Design Cherry St Realignment and Bridges	4,200	1,400										1,400	5,600
Gardiner York/Bay/Yonge Reconfiguration	34,550	38										38	34,588
Georgetown South City Infrastructure Upgrades	40,260	13,420	13,420									26,840	67,100
Glen Road Pedestrian Bridge			12,630									12,630	12,630
John Street Revitalization Project	2,000				5,100	9,700						14,800	16,800
King Liberty Cycling Pedestrian Bridge	1,850	10,320	1,510									11,830	13,680
LARP (Lawrence-Allen Revitalization Project)	2,810	450	1,813	2,475	1,313	1,575	787					8,413	11,223
Legion Road Extension & Grade Separation	490		607	1,307	8,395	8,395	7,695					26,399	26,889
Metrolinx Additional Infrastructure				5,000	2,750	5,000						17,750	17,750
New Courthouse Streetscape				2,500								2,500	2,500
North York Service Road Extension	17,190		750	1,400	3,400	4,200						9,750	26,940
Port Union Road	1,700	450	4,500	2,400	2,000							9,350	11,050
Regent Park Revitalization	3,712	45	240	110	370							765	4,477
Scarlett/St Clair/Dundas	800	3,575	11,700	14,200	5,600							35,075	35,875
Six Points Interchange Redevelopment	37,502	7,140	16,332	12,706								36,178	73,680
St Clair TMP: Keele to Old Weston	4,960		1,240	9,810								57,250	62,210
Steeles Avenue East/Kennedy Road Grade Separation	500				6,000							6,000	6,500
Steeles Widening (Tapscott Road - Beare Road)	2,000				13,000	13,000						29,000	31,000
Third Party Signals		300	300	300	300	300	300	300	300	300	300	3,000	
Traffic Congestion Management	21,800	6,930	7,030	11,480								25,440	47,240
Work for TTC & Others			4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	36,000	
York Street Tunnel			7,000									7,000	7,000
Sub-Total		44,068	84,572	66,688	66,278	57,720	29,332	15,850	4,300	4,300	4,300	377,408	
Total Expenditures by Category (excluding carry forward)													
		369,409	530,883	545,195	552,078	557,426	540,058	1,265,167	259,376	265,418	267,224	5,152,234	

*The total project cost for the Gardiner reflects the 2012 - 2027 costs.

**Life to Date approved cash flows are provided for multi-year capital projects with cash flow approvals prior to 2017, excluding ongoing capital projects (i.e. Civic Improvement projects)