

TORONTO TRANSIT COMMISSION REPORT NO.

MEETING DATE: September 27, 2012

SUBJECT: 2013-2022 TTC CAPITAL BUDGET

ACTION ITEM

RECOMMENDATION

It is recommended that the Commission:

1. Approve the 2013-2022 TTC Capital Budget (including the Toronto-York Spadina Subway Extension) as summarized in Appendix A and detailed in this report and contained on Appendix B (The Blue Pages);
2. Approve an amendment to the budget as submitted to provide for the inclusion of \$16 million in 2016 for the acquisition of 24 additional buses as a result of increased ridership estimates and the addition of a temporary bus facility at a cost of \$80 million by 2017 to address bus fleet capacity requirements.
3. Forward this report to the City of Toronto for submission to the City's budget process;
4. Forward this report to the Metrolinx Board; and
5. Forward this report to the Ontario Minister of Transportation and to the Federal Minister of Transportation.

FUNDING

All known or expected current funding sources have been incorporated into this 10-year capital plan for the TTC. After having removed a long list of projects that can be justified from a business perspective (these are identified in this report), there still exists about a \$600 million shortfall between the base capital needs of the system (\$6.4 billion) and the funding currently available over the 10 years (\$5.8 billion). Virtually the entire shortfall falls in the latter 5 years of the budget: 2018-2022. With some smoothing of funding available and the carry-forward of unspent funds, there is sufficient overall funding for the first 4 years (2013-2016). Appendix C provides details on what funding sources the City can count on for the next decade and how that compares to the base capital needs of the system required to keep the existing system in a state-of-good-repair.

The ten-year funding shortfall has been discussed with the City and City staff is currently reviewing the capital funding strategy for the TTC's Capital Budget. Additional or revised funding opportunities that may assist with the shortfall include the use of surplus operating funds in accordance with the City's surplus distribution policy (75% for the

TTC's capital budget), adjustments to the application of asset monetization funding, increased funding available under development charges for transit projects in the current/updated DC bylaw and, the pursuit of new long term provincial and federal infrastructure funding programs. The outcome of this review will be reported out through the City's 2013-2022 capital budget process.

Funding for the Spadina Subway Extension, Transit Expansion and Waterfront involve other parties under specific funding agreements and are presented separately from the base capital program.

BUDGET HIGHLIGHTS

The 2013-2022 Capital Budget has been prepared consistent with Commission priorities and the plan approved by City Council last year. While project timing and cash flows have been adjusted to reflect more current information, funding continues to represent the greatest challenge to moving forward with the base capital program. Highlights of the 2013-2022 Capital Budget are as follows:

- \$879 million is budgeted for 2013 for the base capital *program (before amendment)*:
 - \$603 million for infrastructure and related projects, including \$349 million for rehabilitation of buildings, structures, tunnels, bridges, yards and roads, \$62 million for track work, \$124 million for signals, electrical and communications systems, \$26 million for various information technology projects and, \$42 million for various facility, equipment and environmental projects.
 - \$276 million for vehicles, including \$55 million toward the purchase of 360 Toronto Rocket Subway Cars, \$29 million toward the procurement of 153 articulated buses and contract completion for 198 new Wheel-Trans buses, \$111 million toward the purchase of 204 LRV's, \$72 million for revenue vehicle overhaul programs (bus, subway car, SRT car and streetcar) and \$11 million for the acquisition or overhaul of various non-revenue vehicles.
 - Based on current funding assumptions, there is more than sufficient funding available to cover the 2013 budgeted expenditures.
- \$4.178 billion is budgeted for the five years from 2013 to 2017 for the base capital program, including \$2.873 billion for infrastructure and related projects and \$1.305 billion for the procurement and overhaul of vehicles. Based on current funding assumptions, there is a funding shortfall of \$178 million for the base program over the next five years.
- \$6.435 billion is forecasted as the overall requirement for the base capital program for the ten years from 2013 to 2022, including \$4.553 billion for infrastructure and related projects and \$1.882 billion for the procurement and overhaul of vehicles. Based on current funding assumptions, there is a funding shortfall in the order of \$600 million over the next ten years.

- \$661 million is required in 2013 and \$1.454 billion from 2013 to 2017 for the construction of the Toronto-York Spadina Subway Extension.
- A summary of expenditures for key program elements is included as Appendix A.

Budget Amendment

Based on a recent increase in the ridership projections for 2013 to 528 million, service plans have been revised which has resulted in a reassessment of requirements related to the bus fleet. Consequently, an amendment is required to the 2013-2022 Capital Budget to provide for an increase of \$96 million including \$16 million for an additional 24 buses in 2016 and \$80 million for a bus storage facility by 2017.

BACKGROUND

Over the past several annual capital budget processes, the need for stable long-term capital funding for the TTC has been a recurring theme. A couple of years ago, that 10 year shortfall was pegged at about \$2.3 billion for the base budget. In response, the TTC deleted or deferred over \$1.5 billion in justifiable projects, including over \$700 million in the 2012 budget cycle as shown on Appendix D. A quick scan shows them to be precisely the types of long-term projects the TTC will need to continue to provide the type of efficient and broad transit service the City of Toronto and the GTA will need into the future. For example, deferring the next 10 Toronto Rocket trains that will be needed to accommodate growth on the critical Yonge-University-Spadina (YUS) subway or deleting 15 of the currently on order LRVs to accommodate growth on the TTC's legacy streetcar network wouldn't be an action the TTC would even consider if the capital needs of the existing system were properly funded. To a greater or lesser degree, the other projects on that list are also projects that should be funded one way or another over time as soon as funds are secured.

In addition to this, the City committed to finding upwards of \$700 million through a whole series of items, such as selling or developing surplus properties or air-rights (many associated with transit facilities), pursuit of additional secured funding from the Provincial and Federal governments and utilizing 75% of any City-wide in year operating surplus to help transit funding including the last 1/3 share of the existing Light Rail Vehicle order to replace the existing streetcar fleet at the end of its useful life.

DISCUSSION

In this 2013-2022 TTC Capital Budget, staff has articulated the base needs of the transit system. As was pointed out in the 2013 TTC Operating Budget Report also being submitted to this Commission meeting, annual ridership is being budgeted at an all-time record TTC record of 528 million. This is 156 million or 42% more annual rides than was taken in 1996 following the recession of the early 1990s. To put that into perspective, the actual growth of 156 million in annual ridership over that period dwarfs all of the new

ridership expected to be generated by implementation of all of the current expansion plans in place or on the books combined. The TTC has a long history of trying to accommodate and promote ridership growth in ways to delay mega-project expenditures as long as possible. Clearly, these results make it plain that funding the existing system and allowing it to be the backbone of any sustained long-term ridership growth must be at the heart of any long-term transit capital plan. The early 1990s bear witness to the detrimental impact that self-imposed policies to significantly increase fares, cut service and cut funding can have on ridership levels in the long-term. It took TTC ridership levels well over a decade to recover from the recession and the impact of these other items, even though City of Toronto employment levels had recovered to pre-recession levels within 4 or 5 years.

The “Blue Pages” list the various projects needed to meet the base needs of the system over the next decade. These projects will be expanded on later in this report. Putting aside the projects on Appendix D that still require to be funded over time, as mentioned in the Funding section of this report, there currently exists a \$600 million plus funding shortfall from the currently approved funding sources/debt targets that will need to be addressed in the coming years. In submitting this report to the City for consideration and eventual approval, staff is required to identify a plan for how this shortfall will be addressed. TTC and City staff are currently considering options that may be available in the mid to long term that address this funding need. As mentioned, there is about a 4 year window to solve this looming problem,

Pending that review of funding, staff had assessed certain options in an attempt to respond to the City’s request for a budget plan that meets current funding, however while TTC capital spending may realize some under spending year to year, the base capital requirements have been demonstrated over time to be justified and solidly based on capital assessments and plans which ensure the state of good repair and maintenance of safety standards. While potential project deferrals provide an option for expenditure reductions in the short term, lack of inclusion of these projects will hamper the ability of the TTC to modernize and to accommodate modest growth in ridership over the coming decade. Many of these items would constitute poor economic decisions that the TTC may be forced into should the funding not be found. For example, deleting 15 of the LRVs currently on order (under the only order planned for 30 years) likely would result in a savings well below the current purchase price and substantially below the re-order price for these vehicles down the road when their need becomes critical to meet ridership growth on the streetcar lines. This is particularly relevant when considering the need to accommodate growth on the existing lines in light of the condo boom in the downtown core. Furthermore, the TTC’s financial systems are decades old and barely meet the information needs of a modern corporation. Pending the review of additional funding opportunities, staff is not currently recommending any projects for consideration of deferral. Rather, such action should only be taken as a last resort if an appropriate level of funding is not secured for these valid capital needs.

As with the possible LRV order constriction, it has been demonstrated over the last few capital budget processes, that deferral of items from the capital list of projects, will ultimately add to the pending state of good repair backlog and result in even higher funding needs in the future. The following example provides a useful illustration and will

form the basis of the approach to higher levels of government for capital funding.

If the bus fleet is the workhorse of the TTC, the YUS is the backbone of the system. It's difficult to think of another single subway more critical to a City than that subway is to Toronto. Few other subway lines carry the ridership that line does. Recent events (e.g. Union flood) have clearly demonstrated the contribution of this line to keeping Toronto moving. The TTC has a series of capital projects designed to rehabilitate aging systems, expand capacity and enhance the reliability of this line. Some are underway, some planned and some on the list of deferrals. Currently underway are the Toronto Rocket order (with increased carrying capacity and much-improve operating reliability, amongst other enhancements), the YUS Re-signaling System (improving reliability and allowing for automatic train operation to provide more regular train movement), the Union Station 2nd Platform project to provide for 2 platform boarding and alighting at that very busy bottleneck station, and the installation of additional "cross-overs" to allow for a quicker and more orderly return to regular service following a service disruption on the line. If proposed work at Wilson Yard to accommodate a future 500 foot long train (one car longer than the current Toronto Rockets) proceeds, the Toronto Rockets can be moved the Bloor-Danforth Line when the existing T1 trains reach the end of their useful life over the next decade to decade and a half. Those longer trains would carry about 15% more riders than the current Toronto Rockets. Two other projects not funded are: (1) the installation of PEDS or platform edge doors designed to substantially reduce delays caused by persons and objects going to track level and (2) a North Yonge vehicle storage yard to allow for much quicker build-up of revenue trains for service, especially during snow storms and other stoppages. Combined, all of these could projects could conceivably improve carry capacity on that line by 40% or more over time. Funding and completing them could put off the need for the \$10 billion or so Downtown Relief Subway Line by 10 or 20 years at a fraction of the cost.

2013-2022 CAPITAL BUDGET

With investment approaching \$12 billion in existing assets (many of which last for decades) and ridership volumes at record levels, the existing transit network must remain the TTC's first priority. The base capital program covers the acquisition of new and replacement transit assets needed by the TTC for the provision of public transit services within the City of Toronto and under contract with adjacent municipalities. In establishing the budget, a life-cycle approach is essential. Detailed system inventories of each class of capital asset are maintained. Budgets are set to replace or rehabilitate assets based on condition assessments, engineering standards, legislative requirements or safety/environmental implications. A one-year budget, five-year program and ten-year forecast are developed: all designed to keep the TTC's capital assets in proper working order. The capital plan was constructed using the Commission's long standing capital budget priorities which remain:

1. State-of Good-Repair and Safety
2. Legislative
3. Capacity Enhancement
4. Improvement
5. Expansion

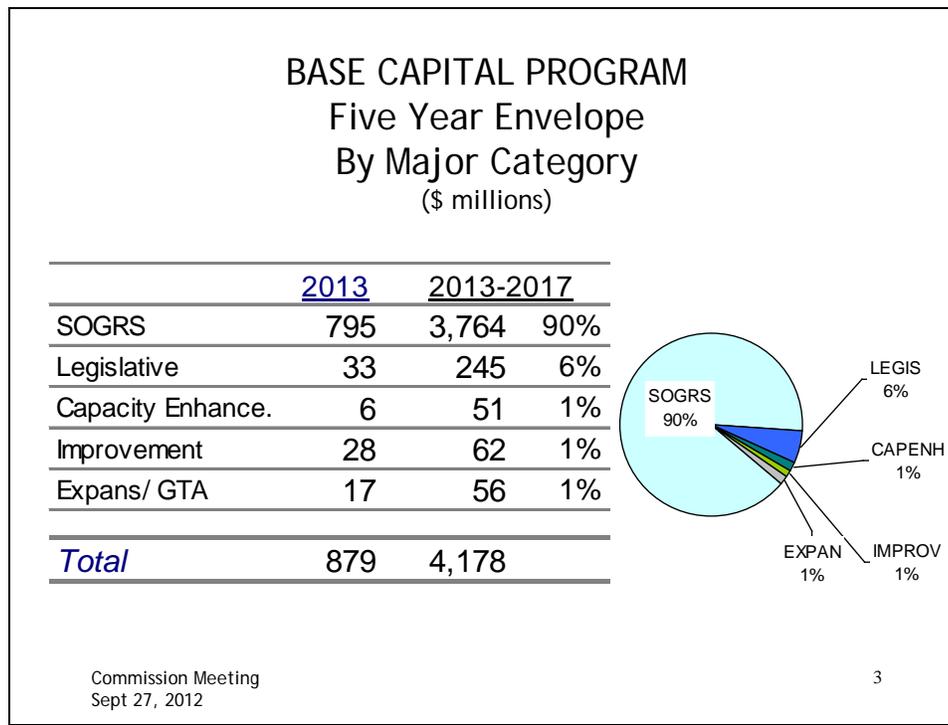
The cash flow for each program or project element contained within the Base or State-of-good-repair capital budget is set out in the Blue Pages attached as Appendix B (expansion initiatives, including the Toronto-York Spadina Subway Extension, are not included in the base capital program).

Key elements of the \$879 million in the base capital program for 2013 are shown below in Exhibit 1.

Exhibit 1

TTC - PROPOSED		
<u>2013 BASE CAPITAL PROGRAM</u>		
(\$ millions)		
Delivery of 153 Artic Diesel Buses (27 in 2013) + WT Vehicles (contract completion)	29	}
Purchase of 234 + 126 Subway Cars (delivery of last 12 and 126 car order)	55	
Purchase of 204 LRV Cars (milestone payments - first production & delivery of 5 in 2013)	111	
Vehicle Overhaul Programs (Bus, WT, Subway, Streetcar)	70	}
3.1-3.3 Finishes, Equip, Yards & Roads	50	
3.4 Bridges & Tunnels	39	}
3.9 LRV & CH (147), EA II&III (18), Facility Renewal (10)	175	
3.9 Fire Ventilation (28), TR Accommodations (34)	62	
1.x Track Programs	62	}
2.x Signals Electrical Communications, OH & Poles (14), YUS ATO (63)	124	
4.2x NRV (11), 5.x Equipment (13), 5.4 Farecard (16), 6.1 Environ (9), 7.x IT (26)	74	
Other projects	<u>28</u>	}
TTC REQUEST LEVEL	<u>\$879</u>	
Commission Meeting Sept 27, 2012	2	

Expenditures for the next five years from 2013 to 2017 are budgeted in the order of \$4.2 billion as shown in Exhibit 2.

Exhibit 2

As can be seen from the exhibit, \$4.0 billion or about 96% of the base capital budget for the five years from 2013 to 2017 is committed to state-of-good-repair/safety and legislative projects. Key elements of the base capital program over the next five years include:

- acquisition of:
 - 127 articulated and 75 40" diesel buses (\$207 million)
 - balance of 360 Toronto Rocket subway car deliveries (\$71 million)
 - 204 LRV's (\$610 million)
- the overhaul of revenue service vehicles (\$378 million)
- construction of a new LRV storage and maintenance facility (\$307 million)
- TR/T1 Rail Yard Accommodation (\$393 million)
- installation of automatic train control and re-signaling on the Y-U-S subway line (\$233 million)
- various signals, electrical and communications projects (\$331 million)
- track replacement (\$270 million)
- various bridge and tunnel infrastructure rehabilitation (\$180 million)
- fare systems (\$59 million)
- installation of elevators in the subway (\$191 million)
- upgrading of fire ventilation equipment and second exits in the subway (\$113 million)
- upgrades to information technology assets (\$131 million)
- on-grade and structural paving (\$89 million)
- roofing rehabilitation (\$73 million)

- carhouse modifications to accommodate new LRVs (\$53 million)
- streetcar network upgrades for new LRVs (\$50 million)

In addition to the base capital budget, the Toronto-York Spadina Subway Extension is a \$2.634 billion project that will extend the Spadina subway line north from Downsview Station to Vaughan Metropolitan Corporate Centre in York Region. It is fully funded by the City of Toronto, York Region, the Province of Ontario and the Government of Canada. It is currently projected to commence operation in the fourth quarter of 2015 and will see expenditures of \$1.454 billion over the next five years – including \$661 million in 2013 alone.

Approximately \$6.4 billion is required over the next 10 years from 2013 to 2022 for the base capital program as shown in Exhibit 3.

Exhibit 3											
(\$ Millions)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013-2022
Infrastructure	603	723	577	538	432	376	348	319	301	337	4,553
Vehicles	276	337	220	207	266	201	174	101	35	64	1,882
TOTAL	879	1,060	797	745	697	577	522	421	336	401	6,435

Expenditures over the next decade are dominated by (i) the need to overhaul and replace aging buses (\$749 million) and subway cars (\$253 million), (ii) the acquisition of 204 LRVs (\$785 million), (iii) the construction of an LRV Storage and Maintenance Facility (\$307 million) and replacement of subway track (\$249 million) and streetcar track work (\$322 million), (iv) rail yard accommodation for the Toronto Rocket and T1 subway cars (\$393 million), (v) major structural rehabilitation of the Commission's bridges and tunnels (\$382 million), (vi) installation of elevators in the subway system (\$390 million) to meet legislated deadlines, (vii) upgrade of fire ventilation equipment and second exits in the subway (\$145 million), (viii) installation of automatic train operation and re-signaling on the Yonge-University-Spadina line (\$260 million) and the Bloor-Danforth line (\$301 million), and (ix) the need to upgrade the Commission's information technology assets (\$253 million). In addition, several other major projects will be undertaken requiring significant investment including: various signal, electrical and communications projects (\$436 million), roofing rehabilitation at various TTC locations (\$145 million), on-grade and structural paving (\$195 million), fare systems (\$60 million), and equipment programs including subway pumps, bus hoists and escalator and elevator overhauls (\$241 million).

It should be noted that there are a number of initiatives currently included in the 2013-2022 capital program which involve study work and detailed analysis of existing conditions and capital requirements, and current plans are based on assumptions of currently known conditions, for which changes resulting from the ongoing assessment activities may impact existing capital priorities and will be considered in future budget cycles. For example, unexpected failures may be experienced in the aging infrastructure

due to adverse weather conditions or other system impacts, such as flooding which recently resulted in an assessment of subway pump systems requiring attention. Also, ridership continues to grow at a rate greater than anticipated and this will have consequential implications for the size and nature of the revenue vehicle fleets (bus, subway and LRV) as well as the corresponding facility requirements to service and maintain them. Additionally, the acquisition of new revenue fleet technology is expected to result in increased efficiency and reliability but new technology also brings an increased level of uncertainty for future maintenance and overhaul of these long life assets. In addition, there are a series of additional projects that are worthy of consideration from an operational improvement perspective (e.g. platform edge doors) or from a system expansion perspective (e.g. the Downtown Relief Line) that are recommended, but not included in the base program as funds are not available. A listing of these projects is included in Appendix E. Typically; these programs represent a lower priority in relation to the base capital needs which require significant ongoing capital investment but which are currently beyond available funding.

Key program elements for the base capital program over the next 10 years are outlined in the Appendix A.

BUDGET COMPARISON

Exhibit 4 shows the changes requested in the base budget from that approved by City of Toronto Council in February of this year.

Exhibit 4

ENVELOPE COMPARISONS

BUDGET COMPARISON			2012 to 2016	2012 to 2021
(\$Millions)	2012	2013	Envelope	Envelope
Approved - Base Capital Program	1,080	1,041	4,334	6,274
Requested - Base Capital Program	1,034	879	4,515	7,068
<i>Change in Base Program</i>	<i>(46)</i>	<i>(162)</i>	<i>181</i>	<i>795</i>

The 2012-2016 Capital Program and 10 Year Forecast requirements for the proposed base capital program have been identified with the following impacts:

- 2012 will be under-spent by \$46 million (excluding carry forwards) primarily as a result of delay in the award of the facility contract for the Ashbridges Bay Maintenance & Storage Facility (-\$74, slippage of work on the ATC Resignalling Project (-\$30 million), offset by the timing of payments for the purchase of the new Toronto Rocket Subway Cars (+ 69 million).
- 2013 will be under the approved budget by \$162 million primarily as a result of changes in the timing of work associated with the TR/T1 Rail Yard Accommodation Project (-\$58 million), adjustments to the timing of payments for the acquisition of Toronto Rocket Subway Cars (\$-45 million), slippage of work on the LRV Maintenance & Storage Facility (-\$22 million) and, timing of payments for the purchase of 204 LRVs (-\$14 million)
- 2012-2016 capital requirements will increase by \$181 million largely as a result of the following:
 - increased scope of work and timing on the TR/T1 Rail Yard Accommodation project (+ \$61 million)
 - deferral from 2011 of contract milestone payments on the TR Subway and LRV car projects (\$26 million and \$36 million respectively)
 - scope and timing of the Revenue Operations Facility work (+ \$19 million) offset by the Structure Rehabilitation project work (\$-19 million)
 - reduced scope of the GTA Farecard Project upon assumption of ownership by Metrolinx (-\$71million) offset by reduced funding
 - scope and timing of Streetcar Overhead and Network upgrade work for LRVs (\$14 million)
- 2012-2021 capital requirements will increase by \$795 million. The primary source of these changes includes the following:
 - Purchase of replacement buses (+ \$43 million)
 - Replacement Wheel-Trans buses timing (+ \$7 million)
 - Purchase of future WT buses (+ \$71 million)
 - Bus Overhaul Program Orion VII (+ \$121 million)
 - TR Subway car purchase timing (+ \$26 million)
 - + 15 LRV car purchase & timing (+ \$138 million)
 - Substation Electrical Rebuild (+ \$19 million)
 - YUS ATC (+ \$34 million) and Wilson Yard Resignalling (+ \$41 million)
 - Subway Pump Replacement (+ \$21 million)
 - Streetcar OH, Pole and Network Upgrades for LRV (+ \$18 million)
 - Structure Rehab Program (-\$22 million)
 - Easier Access III (+ \$101 million)
 - TR/T1 rail yard accommodation (+ \$89 million)
 - Revenue Operations Facility (\$19 million)
 - TTC GTA Farecard Project scope reduction (-\$91 million)

- ERP – System Replacement (+ \$21 million)
- other project changes (+ \$139 million)

WORKFORCE IMPLICATIONS

At the end of 2012, the TTC had an approved capital workforce of 1,837. Over 40% these positions are for hourly-rated workers who perform most of the major rehabilitation work on the Commission's assets covering everything from track installation to structural work in the subway to signals, electrical and communication equipment work to revenue vehicle rebuilds. The bulk of the rest of the employees are for design and project management for major capital projects. The positions are tied to specific capital projects and once those projects (or series) of projects are completed, the employees are transferred to other projects for which they are suited. In addition, the Commission utilizes a series of external consultants, mostly for design and IT project services, when the volume or skill of internal employees is not sufficient to address the unique work requirements of the capital program.

It is projected that capital workforce will decrease in 2013 by 149 positions as follows:

GROUP	2012	2013	CHANGE
Engineering/Construction & Expansion	601	376	(225)
Operations & Safety	1,111	1,185	74
Corporate Services	117	113	4
Strategy & Customer Experience	8	14	6
Total	1,837	1,688	(149)

The primary reason for this reduction is the restructuring of the Engineering, Construction and Expansion Group as a result of the project delivery model determined by Metrolinx re the Eglinton Crosstown project (-225 positions), offset by the addition of 68 positions to add a second production line for the bus rebuild program.

These capital positions will be included in the [2013 TTC Organization Charts](#), which list each position at the Commission.

BUDGET CONCLUSIONS

The TTC is charged with the responsibility of providing efficient, safe and affordable public transit to the residents of the City of Toronto. The Capital Program set out in this report is structured to keep the existing system in a state-of-good-repair, while maximizing the use and life of assets to meet existing and future transit needs. However, while the plans are practical and achievable, they are dependent upon funding from all three orders of government – funding that is predictable and long term.

The following conclusions or observations can be made:

1. The TTC's priorities for capital investment remain unchanged.
2. The 2013-2022 Capital Budget is consistent with the plan approved by the Commission and City Council last year.
3. The 2013 budget is \$162 million below the Council approved amount contained in the 2012-2021 Capital Budget. The proposed 2013 budget is affordable within the City approved debt guidelines. After factoring in all available funding sources there is projected to be a \$21 million funding surplus for 2013.
4. The 2012-2016 budget envelope has increased by about \$181 million (before amendment), as staff has prioritized capital needs and deferred some project work to future years considering the constraints of affordability directed by the City. Anticipated funding and carry forward adjustments from 2012 relating to project deferrals will fully offset this variance.
5. There is a funding shortfall of \$178 million for the base capital program over the five years from 2013-2017 and a shortfall of \$591 million over the ten years from 2013-2022 (before amendment). Discussions are ongoing with the City to identify mechanisms to reduce and eliminate this funding shortfall so that all elements of the base Capital Budget can proceed as required.
6. Much remains to be done to resolve the need for long-term, stable and predictable capital funding to fully fund the base capital program needs so that expansionary initiatives can proceed without compromising the ability to maintain the existing system.

The TTC is an integral part of the transportation system of the City of Toronto and the GTA. Maintaining the existing system is critical to ensuring that record ridership levels - projected to reach 528 million in 2013 - can be adequately serviced in a safe, efficient and cost effective manner. Expanding the system is necessary to meet demand and to ensure that the City's Official Plan can be achieved. However, the state-of-good-repair portion of the budget (the highest priority), is not fully funded. Expanding the system, as much as it is needed, only makes sense if the existing system is properly funded.

September 14, 2012
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Attachment: Appendix A - 2013-2022 Capital Program Summary
Appendix B - 2013-2022 Capital Program Blue Pages
Appendix C - 2013-2022 Capital Program Funding Summary
Appendix D - Projects Previously Deferred
Appendix E - Unfunded Projects

APPENDIX A

2013-2017 CAPITAL PROGRAM SUMMARY

BASE CAPITAL - PROGRAM ELEMENTS \$ millions	2013	2014	2015	2016	2017	2013 to 2017	2018	2019	2020	2021	2022	2018-2022	2013 to 2022
BASE CAPITAL - PROGRAM ELEMENTS													
<i>Track:</i>	61,703	45,797	45,789	66,351	50,078	299,718	59,295	60,468	60,136	60,100	61,631	301,630	571,348
Subway Track	19,815	24,084	17,996	18,879	22,074	102,828	30,870	27,676	28,506	29,275	29,983	146,209	249,037
Surface Track	41,888	21,733	27,793	47,472	28,004	166,890	28,425	32,793	31,630	30,825	31,748	155,421	322,311
<i>Signals, Electrical, Communications:</i>	124,200	120,383	102,757	111,408	104,851	563,599	95,710	98,417	77,348	77,554	84,255	433,255	996,884
Traction Power	25,761	27,384	28,954	25,031	12,084	119,214	11,032	11,282	11,326	11,561	12,255	57,456	176,670
Power Distribution	7,768	7,430	7,820	7,312	7,027	37,357	5,834	6,326	5,277	5,650	5,377	28,464	65,821
Communications	19,467	23,510	15,169	9,776	10,900	78,822	10,408	6,564	2,944	2,692	5,402	28,010	106,832
Signal Systems	71,204	62,059	50,814	69,289	74,840	328,206	68,436	74,245	57,802	57,651	61,221	319,355	647,561
Energy Management	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Facilities and Structures:</i>	349,445	495,596	379,051	305,434	235,880	1,765,406	176,472	151,448	142,808	137,015	160,687	788,370	2,533,776
Finishes	20,511	24,662	19,768	15,320	16,223	96,484	15,721	16,029	16,165	16,452	12,244	76,611	173,095
Equipment	20,302	24,560	25,988	24,043	27,635	122,528	26,613	24,903	18,169	17,949	31,180	118,814	241,342
Yards & Roads	9,081	26,794	24,483	22,084	21,784	104,226	17,878	12,460	12,834	13,219	17,670	74,061	178,287
Bridges & Tunnels	38,701	46,389	42,486	45,792	41,806	215,174	46,071	46,447	47,350	48,236	48,932	237,036	452,210
Buildings & Structures	260,850	373,191	266,326	198,195	128,432	1,226,994	70,129	51,609	48,290	41,159	50,661	261,848	1,488,842
<i>Computers:</i>	25,630	25,765	23,911	34,541	13,378	131,229	33,463	26,481	28,048	15,231	18,768	121,991	259,216
Corporate Systems	16,394	19,254	20,911	23,741	19,378	99,678	23,550	21,481	22,548	13,831	13,768	95,178	194,856
Intelligent Transportation & Technical Systems	9,236	6,511	3,000	10,800	2,000	31,547	9,913	5,000	5,500	1,400	5,000	26,813	58,360
<i>Equipment:</i>	29,289	27,800	18,388	13,431	7,810	66,696	6,665	6,469	6,426	6,610	6,235	32,405	129,101
Shop Equipment	4,203	3,384	2,296	2,969	2,936	15,798	2,673	2,708	2,543	2,724	2,555	13,203	29,001
Revenue & Fare Handling Equipment	4,009	1,501	1,545	1,836	1,896	10,787	1,994	2,099	2,210	2,328	2,453	11,084	21,871
Other Maintenance Equipment	5,165	1,007	1,072	1,105	1,020	9,369	1,020	1,020	1,020	1,020	1,020	5,100	14,469
Fare System	15,578	21,628	12,812	7,316	1,501	58,835	0,653	-	-	-	-	0,653	59,488
Furniture & Office Equipment	0,314	0,270	0,661	0,205	0,457	1,907	0,325	0,642	0,653	0,538	0,207	2,365	4,272
<i>Other:</i>	12,697	8,041	6,955	7,177	11,569	46,439	4,323	4,387	4,453	4,518	5,031	22,712	69,151
Environmental	8,987	5,406	4,320	4,541	9,534	32,788	2,288	2,352	2,418	2,483	2,996	12,537	45,325
Service Planning	3,710	2,635	2,635	2,636	2,035	13,651	2,035	2,035	2,035	2,035	2,035	10,175	23,826
Subtotal - Infrastructure	602,944	723,382	576,849	538,342	431,566	2,873,083	375,868	347,670	319,220	301,028	336,607	1,680,393	4,553,476
<i>Vehicles:</i>													
Purchase of Buses	29,112	124,060	0,361	7,406	46,118	207,057	5,441	18,889	47,514	0,450	41,981	114,275	321,332
Bus Overhaul	33,191	47,329	46,339	47,205	73,466	247,530	64,256	67,984	30,511	13,707	3,348	179,806	427,336
Purchase of Subway Cars	55,007	1,969	7,898	6,428	-	71,302	-	-	-	-	-	-	71,302
Subway Car Overhaul	22,159	22,204	22,760	25,855	19,963	112,941	13,662	13,948	14,297	14,591	12,344	68,842	181,783
Purchase of SRT Cars	-	-	-	-	-	-	-	-	-	-	-	-	-
SRT Overhaul	4,216	1,820	-	-	-	6,036	-	-	-	-	-	-	6,036
Purchase of Streetcars	111,153	130,692	133,743	112,119	122,551	610,258	110,680	64,290	-	-	-	174,970	785,228
Streetcar Overhaul	10,306	0,984	-	-	-	11,290	0,280	4,000	4,200	4,284	4,370	17,134	28,424
Purchase Non Revenue Vehicles	7,074	3,385	5,114	3,001	2,047	20,621	1,884	1,884	1,884	1,884	1,884	9,420	30,041
Rail Non-Revenue Vehicle Overhauls / Purchases	3,658	4,432	3,675	4,729	1,532	18,026	5,055	3,198	2,975	0,501	0,513	12,242	30,268
Subtotal - Vehicles	275,876	336,875	219,890	208,743	256,677	1,305,061	201,268	174,193	101,381	35,417	64,440	576,689	1,881,760
BASE PROGRAM - TOTAL *	878,820	1,060,257	796,739	746,085	687,243	4,178,144	577,136	521,863	420,601	336,445	401,047	2,257,082	6,435,236
Toronto York Spadina Subway Extension	680,548	447,817	345,324	-	-	1,453,889	-	-	-	-	-	-	1,453,889
TOTAL - BASE & TYSSSE	1,559,368	1,608,074	1,142,063	746,085	687,243	5,632,033	577,136	521,863	420,601	336,445	401,047	2,257,082	7,889,125

Note: columns and rows may not add exactly due to rounding

* Summary excludes budget amendment for 24 buses and bus storage facility

**CAPITAL BUDGET SUBMISSION
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**TORONTO TRANSIT COMMISSION 2013-2022 CAPITAL BUDGET
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(\$'000's)**

APPENDIX B

Category	CTT No.	WO #	DESCRIPTION	CITY	PROBABLE							2013-2017	2013-2022	POST 2022	EFC	FUNDING PROGRAM *	CITY Approval Request
					to 2011	2012	2013	2014	2015	2016	2017						
1.1 Subway Track																	
Annual Programs																	
SOGRS	CTT001	6622	Subway/SRT Track Rehabilitation Program	B	41,522	9,429	15,696	7,303	9,138	11,377	13,370	56,884	125,949	-	176,800	CSIF <2009	74,414
SOGRS	CTT001			P	43,424	8,029	7,105	15,856	9,138	11,377	13,370	56,846	143,219	-	194,672	ISF <2011	
	CTT001			C	1,902	(1,400)	(8,591)	8,553	-	-	-	(38)	17,270	-	17,772		
SOGRS	CTT001	6628	Subway/SRT Turnout Rehabilitation Program	B	16,048	2,117	7,023	8,157	8,858	7,400	8,500	39,938	85,923	-	104,086	CSIF <2009	32,217
SOGRS	CTT001			P	16,058	2,329	5,872	8,157	8,858	7,400	8,500	38,887	96,807	-	115,195	ISF <2011	
	CTT001			C	13	212	(1,551)	-	-	-	-	(1,351)	10,884	-	11,109		
Existing Projects																	
SOGRS	CTT001	7715	MCOWIS Upgrade	B	264	-	102	51	-	102	204	459	1,735	-	2,019		2,394
SOGRS	CTT001			P	254	85	102	51	-	102	204	459	2,075	-	2,394		
	CTT001			C	(30)	85	-	-	-	-	-	-	340	-	375		
IMPROV	CTT001	6012	YUS Resignelling - Installation of Crossovers	B	5,334	2,439	-	-	-	-	-	-	-	-	7,773		12,429
IMPROV	CTT001			P	6,997	3,466	1,936	-	-	-	-	1,936	1,936	-	12,429	Metrolinx	
	CTT001			C	1,663	1,057	1,936	-	-	-	-	1,936	1,936	-	4,656		
IMPROV	CTT001	6048	New Backboards Outdoor Locations	B	222	959	-	-	-	-	-	-	-	-	1,181		1,183
IMPROV	CTT001			P	224	959	-	-	-	-	-	-	-	-	1,183		
	CTT001			C	2	-	-	-	-	-	-	-	-	-	2		
New Projects																	
IMPROV	CTT001		New Rail Vehicle Based Inspection System	B	-	-	-	-	-	-	-	-	-	-	-		5,000
IMPROV	CTT001			P	-	-	5,000	-	-	-	-	5,000	5,000	-	5,000		
	CTT001			C	-	-	5,000	-	-	-	-	5,000	5,000	-	5,000		
Sub-Total Subway Track					SB	63,408	14,844	22,821	16,611	17,968	18,879	22,074	97,281	213,607	-	281,959	
					SP	66,858	14,878	19,815	24,064	17,968	18,879	22,074	102,628	249,037	-	330,873	127,637
					SC	3,550	(66)	(3,006)	8,553	-	-	-	5,547	35,430	-	38,914	
1.2 Surface Track																	
Annual Programs																	
SOGRS	CTT002	8988	Surface Track Replacement Program	B	75,797	18,353	24,988	12,651	20,018	17,868	16,824	90,923	157,899	-	252,049	CSIF <2011	122,160
SOGRS	CTT002	8903		P	73,473	21,188	20,929	8,572	20,144	28,025	14,513	91,168	176,411	-	271,070		
	CTT002			C	(2,324)	2,833	(4,037)	(6,079)	128	11,359	(1,111)	260	18,512	-	19,021		
SOGRS	CTT002	6696	Surface Special Trackwork Replacement Program	B	36,795	18,488	16,928	11,319	9,129	16,294	11,445	65,113	114,146	-	172,429	CSIF <2011	84,424
SOGRS	CTT002	6604		P	41,230	8,842	19,484	14,768	7,324	17,197	13,241	72,014	140,851	-	191,023		
	CTT002			C	1,435	(9,546)	2,558	3,449	(1,805)	903	1,798	6,901	26,705	-	18,584		
IMPROV	CTT002	6127	Russell Yard South End Track Improvement	B	200	800	-	-	-	-	-	-	-	-	1,000		1,000
IMPROV	CTT002			P	9	192	800	-	-	-	-	800	800	-	1,000		
	CTT002			C	(192)	(608)	800	-	-	-	-	800	800	-	-		
IMPROV	CTT002	6000	Reserved Transit Lanes on St. Clair Avenue	B	57,018	450	450	-	-	-	-	450	450	-	57,918	CSIF	58,363
IMPROV	CTT002			P	57,483	450	450	-	-	-	-	450	450	-	58,363		
	CTT002			C	445	-	-	-	-	-	-	-	-	-	445		
SOGRS	CTT002	6257	St. Clair Avenue - Surface Track Replacement	B	28,842	-	-	-	-	-	-	-	-	-	28,842	CSIF	29,289
SOGRS	CTT002			P	29,288	-	-	-	-	-	-	-	-	-	28,288		
	CTT002			C	448	-	-	-	-	-	-	-	-	-	448		
SOGRS	CTT002	6258	St. Clair Avenue - Surface Special Trackwork Replacement	B	6,043	-	-	-	-	-	-	-	-	-	6,043	CSIF	6,043
SOGRS	CTT002			P	5,955	48	-	-	-	-	-	-	-	-	6,043		
	CTT002			C	(48)	48	-	-	-	-	-	-	-	-	-		
IMPROV	CTT002	6255	Reserved Transit Lane on Fleet Street	B	6,387	-	-	-	-	-	-	-	-	-	6,387	CSIF	6,387
IMPROV	CTT002			P	6,279	108	-	-	-	-	-	-	-	-	6,387		
	CTT002			C	(108)	108	-	-	-	-	-	-	-	-	-		
IMPROV	CTT002	6008	Modifications to The Queensway	B	-	-	-	162	88	1,007	-	1,257	1,257	-	1,257		1,257
IMPROV	CTT002			P	-	-	-	162	88	1,007	-	1,257	1,257	-	1,257		
	CTT002			C	-	-	-	-	-	-	-	-	-	-	-		

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(\$000's)**

APPENDIX B

Category	CTT No.	WO #	DESCRIPTION	CITY	PROBABLE	CITY							2013-2017	2013-2022	PCBT 2022	EFC	FUNDING PROGRAM *	CITY Approval Request
						to 2011	2012	2013	2014	2015	2016	2017						
New Projects																		
SOGRS	CTT002	New	TTC Streetcar Shelter Reconstruction	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOGRS	CTT002			P	-	-	225	231	237	243	250	1,188	2,542	-	2,542	-	-	458
SOGRS	CTT002			C	-	-	225	231	237	243	250	1,188	2,542	-	2,542	-	-	
Sub-Total Surface Track				SB	214,082	38,091	42,342	24,132	26,233	34,987	27,069	157,743	273,752	-	-	-	525,925	
				SP	213,736	30,928	41,888	21,733	27,793	47,472	28,004	166,890	322,311	-	-	-	586,973	
				SC	(348)	(7,185)	(454)	(2,389)	(1,440)	12,555	935	9,147	48,539	-	-	-	41,048	308,378
ELECTRICAL SYSTEMS																		
2.1 Traction Power																		
Existing Projects																		
SOGRS	CTT003	6366	Reconstruction of Streetcar Overhead	B	32,184	13,916	10,625	11,871	13,085	12,774	2,500	50,855	60,855	-	108,955	CSIF <2009		
SOGRS	CTT003			P	23,853	18,840	12,329	13,574	13,085	12,774	2,500	54,282	67,082	-	109,755	ISF <2011	68,596	
SOGRS	CTT003			C	(8,331)	4,824	1,704	1,703	-	-	-	3,407	6,207	-	2,600	-	-	
SOGRS	CTT003	6820	Overhead Pole Replacement	B	32,048	3,130	1,271	2,280	2,290	1,319	1,390	8,580	9,780	-	44,938	CSIF <2009		
SOGRS	CTT003			P	31,082	4,096	1,271	2,290	2,290	1,319	1,390	8,580	11,260	-	48,438	ISF <2011	38,739	
SOGRS	CTT003			C	(966)	968	-	-	-	-	-	-	1,500	-	1,500	-	-	
SOGRS	CTT003	6320	Replace Surface Traction Power Distribution	B	13,589	1,758	1,770	1,200	1,200	800	500	5,470	7,470	-	22,817	ISF <2011		
SOGRS	CTT003			P	12,199	3,148	1,770	1,200	1,200	800	500	5,470	8,050	-	23,397	-	18,317	
SOGRS	CTT003			C	(1,390)	1,390	-	-	-	-	-	-	580	-	580	-	-	
SOGRS	CTT003	6967	Substation Electrical Rebuild	B	20,435	1,545	1,535	1,603	1,639	1,639	1,658	8,104	14,985	-	38,945	CSIF <2009		
SOGRS	CTT003			P	20,092	1,888	3,491	3,491	3,598	3,598	3,703	17,877	37,088	-	59,046	-	26,962	
SOGRS	CTT003			C	(343)	343	1,955	1,888	1,957	1,957	2,015	9,773	22,101	-	22,101	-	-	
SOGRS	CTT003	7633	Replace Rectifier Transformers	B	11,968	1,038	1,059	1,075	1,097	1,119	1,141	5,491	10,217	-	23,223	PGAS		
SOGRS	CTT003			P	11,949	1,057	1,516	1,516	1,581	1,608	1,608	7,782	16,145	-	29,151	-	16,038	
SOGRS	CTT003			C	(19)	19	457	441	484	442	457	2,271	5,928	-	5,928	-	-	
SOGRS	CTT003	6147	Electrolysis Control	B	7,646	581	725	625	488	520	540	2,898	5,333	-	13,560	PGAS		
SOGRS	CTT003			P	7,790	437	725	625	488	520	540	2,898	6,003	-	14,230	-	9,577	
SOGRS	CTT003			C	144	(144)	-	-	-	-	-	-	670	-	670	-	-	
SOGRS	CTT003	7501	Modification of DC Feeder Measuring Circuitry	B	2,533	265	270	277	277	285	285	1,384	2,598	-	5,386	-	4,282	
SOGRS	CTT003			P	2,493	305	742	742	764	764	786	3,798	7,895	-	10,693	-		
SOGRS	CTT003			C	(40)	40	472	465	487	479	501	2,404	5,307	-	5,307	-		
SOGRS	CTT003	7635	Replace LV Feeder Cables	B	2,279	245	250	280	250	280	270	1,290	2,400	-	4,924	PGAS		
SOGRS	CTT003			P	2,224	300	250	280	250	280	270	1,290	2,890	-	5,204	-	3,034	
SOGRS	CTT003			C	(55)	55	-	-	-	-	-	-	290	-	290	-	-	
SOGRS	CTT003	6072	Alternate Feeds for Intersections	B	1,103	1,275	1,282	1,281	1,300	1,381	-	5,254	5,254	-	7,632	ISF <2011		
SOGRS	CTT003			P	241	2,137	1,282	1,281	1,300	1,381	-	5,254	5,254	-	7,632	-	7,632	
SOGRS	CTT003			C	(662)	862	-	-	-	-	-	-	-	-	-	-	-	
SOGRS	CTT003	6082	Rebuild TTC Cable Chambers	B	1,154	290	295	535	555	570	587	2,542	5,074	-	8,508	ISF <2011		
SOGRS	CTT003			P	1,085	348	500	535	555	570	587	2,747	5,959	-	7,393	-	2,469	
SOGRS	CTT003			C	(68)	68	205	-	-	-	-	205	-	-	885	-	-	
SOGRS	CTT003	8084	Replace Diode Section Insulators	B	841	920	925	930	955	985	-	3,778	3,778	-	5,537	ISF <2011		
SOGRS	CTT003			P	278	1,483	925	930	955	985	-	3,778	3,778	-	5,537	-	5,537	
SOGRS	CTT003			C	(563)	563	-	-	-	-	-	-	-	-	-	-	-	
SOGRS	CTT003	8088	Replace Underpass Troughs	B	1,100	420	420	430	430	-	-	1,280	1,280	-	2,800	ISF <2011		
SOGRS	CTT003			P	1,051	469	420	430	430	-	-	1,280	1,280	-	2,800	-	2,800	
SOGRS	CTT003			C	(49)	49	-	-	-	-	-	-	-	-	-	-	-	
SOGRS	CTT003	8108	Traction Power Substations	B	465	2,810	540	500	2,500	500	200	4,240	4,240	-	7,335	PGAS		
SOGRS	CTT003			P	51	3,044	540	500	2,500	500	200	4,240	4,240	-	7,335	-	7,335	
SOGRS	CTT003			C	(434)	434	-	-	-	-	-	-	-	-	-	-	-	
SOGRS	CTT003	6148	Replace Elastic Arms in Spadina Tunnel	B	300	300	-	-	-	-	-	-	-	-	800	ISF <2011		
SOGRS	CTT003			P	103	492	-	-	-	-	-	-	-	-	800	-	600	
SOGRS	CTT003			C	(192)	192	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total Traction Power				SB	127,655	28,283	20,967	22,887	26,046	22,153	9,101	101,154	133,212	-	-	-	288,160	
				SP	114,487	38,044	25,761	27,384	28,854	23,031	12,084	119,214	176,670	-	-	-	326,211	
				SC	(13,188)	9,761	4,794	4,487	2,908	2,876	2,983	18,050	43,458	-	-	-	40,051	213,918

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APPENDIX B

Category	CTT No.	WD #	DESCRIPTION	CITY to 2011	PROBABLE 2012	2013	2014	2015	2016	2017	2013-2017	2013-2022	F081 2022	EFC	FUNDING PROGRAM *	CITY Approval Request	
																	B
2.2 Power Distribution/Electric Systems																	
Existing Projects																	
SOGRS	CTT005	6540	Replace Lighting & Receptacles in Tunnels / Vent Shafts	B	8,505	871	630	580	605	620	650	3,095	5,740	-	15,416	FGT	10,895
SOGRS	CTT005			P	8,747	929	630	590	605	620	650	3,095	6,420	-	16,095		
SOGRS	CTT005			C	(58)								850	-	680		
SOGRS	CTT005	7507	Replacement Lighting for Buildings / Garages/Shops/Carhouses	B	8,519	825	758	448	432	820	51	2,518	3,406	-	12,750	FGT	14,020
SOGRS	CTT005			P	8,833	1,119	775	659	661	283	258	2,636	4,268	313	14,333		
SOGRS	CTT005			C	114	284	17	211	229	(548)	207	118	882	313	1,583		
SOGRS	CTT005	6980	Station Security Lighting Upgrades (formerly Lighting Upgrades - Stations)	B	1,277	168	215	277	135	216	230	1,073	2,008	-	3,453	FGT	1,865
SOGRS	CTT005			P	1,205	294	238	130	254	230	230	1,060	2,189	-	3,538		
SOGRS	CTT005			C	(72)	126	21	(147)	115	14	-	7	181	-	235		
SOGRS	CTT005	6174	Emergency Lighting - Substations	B	2,199	260	252	333	184	-	-	769	769	-	3,228	FGT	3,228
SOGRS	CTT005			P	2,124	338	277	345	144	-	-	766	766	-	3,228		
SOGRS	CTT005			C	(75)	78	25	12	(40)	-	-	(3)	-	-	-		
SOGRS	CTT005	6533	Subway/Substation Lighting Replacement	B	6,105	200	225	225	240	240	250	1,180	2,200	-	8,505	FGT	7,530
SOGRS	CTT005			P	6,120	200	600	610	620	635	645	3,110	6,515	-	12,835		
SOGRS	CTT005			C	15	-	375	385	390	385	395	1,930	4,315	-	4,330		
SOGRS	CTT005	6029	Replace Subway Station Breakers	B	6,549	552	570	580	590	600	610	2,950	5,420	-	12,521	FGT	8,251
SOGRS	CTT005			P	8,408	693	570	580	590	600	610	2,950	6,040	-	13,141		
SOGRS	CTT005			C	(141)	141	-	-	-	-	-	-	620	-	620		
SOGRS	CTT005	7881	Signal System Back-up Power Supply Rehabilitation	B	4,538	851	530	540	550	560	300	2,480	3,080	-	8,470	FGT	8,470
SOGRS	CTT005			P	4,279	1,111	530	540	550	560	300	2,480	3,080	-	8,470		
SOGRS	CTT005			C	-	260	-	-	-	-	-	-	-	-	-		
SOGRS	CTT005	7834	Replace / Rebuild Auxiliary Transformers	B	3,097	227	448	461	528	539	424	2,398	4,411	-	7,645	FGT	4,143
SOGRS	CTT005			P	3,002	232	448	461	528	539	424	2,398	4,911	-	8,145		
SOGRS	CTT005			C	(5)	5	-	-	-	-	-	500	-	-	500		
SOGRS	CTT005	7255	Replace Electrically Operated Isolating Switches and Switchstand	B	3,870	487	497	250	250	190	200	1,387	2,217	-	6,884	FGT	5,214
SOGRS	CTT005			P	3,897	570	497	250	250	190	200	1,387	2,427	-	6,894		
SOGRS	CTT005			C	(73)	73	-	-	-	-	-	-	210	-	210		
SOGRS	CTT005	7504	Repair / Upgrade Low Voltage Switchboards	B	3,098	240	250	225	230	235	240	1,180	2,215	-	5,463	FGT	4,298
SOGRS	CTT005			P	3,063	240	495	500	510	520	530	2,556	5,355	-	9,558		
SOGRS	CTT005			C	55	-	245	275	280	285	290	1,375	3,140	-	3,165		
SOGRS	CTT005	6538	Battery & Battery Charger Replacement	B	3,850	424	434	444	454	464	478	2,274	4,301	-	8,375	FGT	5,250
SOGRS	CTT005			P	3,785	424	516	525	535	545	557	2,678	5,628	-	9,837		
SOGRS	CTT005			C	135	-	82	81	81	81	79	404	1,327	-	1,462		
SOGRS	CTT005	6904	Subway Track Side Heating Equipment	B	7,225	765	780	780	300	300	325	2,485	3,910	-	11,900	FGT	9,550
SOGRS	CTT005			P	6,826	1,164	780	780	300	300	325	2,485	4,300	-	12,290		
SOGRS	CTT005			C	(399)	399	-	-	-	-	-	-	390	-	360		
SOGRS	CTT005	6205	UPS Replacement	B	1,577	430	440	440	450	455	465	2,250	4,140	-	6,147	FGT	3,081
SOGRS	CTT005			P	1,771	430	440	440	450	455	465	2,250	4,815	-	8,816		
SOGRS	CTT005			C	194	-	-	-	-	-	-	-	475	-	666		
SOGRS	CTT005	6129	Shorting Switches	B	570	275	275	280	290	300	300	1,455	2,705	-	3,550	FGT	1,410
SOGRS	CTT005			P	320	525	275	280	280	300	300	1,455	3,025	-	3,870		
SOGRS	CTT005			C	(250)	250	-	-	-	-	-	-	320	-	320		
SOGRS	CTT005	6917	Lighting in Open Cut	B	192	443	445	735	630	455	455	2,720	5,193	-	6,828	FGT	5,828
SOGRS	CTT005			P	183	256	445	880	1,485	1,485	1,483	5,369	5,369	-	5,828		
SOGRS	CTT005			C	(9)	(187)	(189)	(56)	855	1,030	1,028	2,669	198	-	-		
SOGRS	CTT005	6006	Mobile Emergency Generators - Connections to Stations	B	1,130	-	-	-	-	-	-	-	-	-	1,130	FGT	1,198
SOGRS	CTT005			P	1,121	77	-	-	-	-	-	-	-	-	1,198		
SOGRS	CTT005			C	(9)	77	-	-	-	-	-	-	-	-	68		

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APPENDIX B

Category	CIT No.	WO #	DESCRIPTION	CITY	PROBABLE							2013-2017	2013-2022	POST 2022	EFC	FUNDING PROGRAM #	CITY Approval Request		
					to 2011	2012	2013	2014	2015	2016	2017								
New Projects																			
SOGRS	CTT005	New	Surface Building UPS Retrofit Program	B	-	-	-	-	-	-	-	-	-	-	-	-	FGT	493	
SOGRS	CTT005			P	-	-	443	50	50	50	50	50	643	893	-	-	893		
SOGRS	CTT005			C	-	-	443	50	50	50	50	50	643	893	-	-	893		
<i>Sub-Total Power Distribution/ Electric Systems</i>					SB	62,322	7,028	6,749	6,818	5,868	6,003	4,976	30,214	51,715	-	-	121,065		
					SP	61,484	8,802	7,768	7,430	7,820	7,312	7,027	37,357	65,821	313	-	136,220	94,725	
					SC	(838)	1,574	1,019	812	1,054	1,309	2,049	7,143	14,106	313	-	15,155		
2.3 Communications																			
Existing Projects																			
SOGRS	CTT008	6849	System Security / Safety Upgrades	B	13,575	1,692	818	485	-	-	-	-	1,303	1,303	-	-	16,570	FGT	21,089
SOGRS	CTT008			P	12,547	2,000	1,475	944	1,585	661	880	880	5,345	6,542	-	-	21,089		
SOGRS	CTT008			C	(1,028)	308	657	459	1,585	661	880	880	4,042	5,239	-	-	4,519		
SOGRS	CTT008	6003	Video Equipment Replacement	B	843	248	248	248	250	250	250	250	1,246	2,246	-	-	3,337	PGAS	1,660
SOGRS	CTT008			P	641	463	308	248	250	250	250	250	1,306	2,631	-	-	3,735		
SOGRS	CTT008			C	(202)	215	60	-	-	-	-	-	60	385	-	-	398		
SOGRS	CTT008	6080	Industrial Security Improvements of TTC Properties	B	4,813	1,301	551	114	-	-	-	-	665	665	-	-	6,579	PGAS	10,844
SOGRS	CTT008			P	4,690	750	1,035	2,100	1,374	40	190	190	4,739	5,304	910	-	11,554	TS <200#	
SOGRS	CTT008			C	(23)	(651)	484	1,986	1,374	40	190	190	4,074	4,839	910	-	4,975		
LEGRS	CTT006	7868	Radio Replacement	B	767	2,062	4,034	2,337	167	72	4,000	10,910	12,810	-	-	-	15,428	PGAS	15,465
LEGRS	CTT006			P	462	534	4,057	5,180	967	52	2,174	12,470	14,470	-	-	-	15,469		
LEGRS	CTT006			C	(285)	(1,528)	23	2,843	800	20	(1,828)	1,860	1,860	-	-	-	37		
SOGRS	CTT008	6246	Voice Recording System Replacement	B	828	259	128	121	121	123	326	821	1,300	-	-	-	2,387	PGAS	1,381
SOGRS	CTT008			P	789	301	169	122	123	125	337	876	1,733	-	-	-	2,823		
SOGRS	CTT008			C	(98)	42	41	1	2	2	9	55	433	-	-	-	436		
SOGRS	CTT008	6961	Subway Station Fire Alarm Modifications	B	3,246	659	604	355	425	355	310	2,049	2,716	-	-	-	5,821	PGAS	5,706
SOGRS	CTT008			P	3,105	1,157	914	530	150	525	325	2,444	3,094	-	-	-	7,356		
SOGRS	CTT008			C	(141)	498	310	175	(275)	170	15	365	378	-	-	-	735		
SOGRS	CTT008	6962	Building Fire Alarm Upgrades	B	2,485	2,410	2,078	1,964	995	1,599	1,140	7,676	10,570	-	-	-	15,465	PGAS	8,145
SOGRS	CTT008			P	1,973	2,560	1,817	1,795	1,635	1,249	1,499	7,895	13,032	-	-	-	17,565		
SOGRS	CTT008			C	(512)	150	(281)	(89)	640	(350)	359	319	2,482	-	-	-	2,100		
SOGRS	CTT008	6229	Subway Station PA System	B	1,592	722	677	509	288	-	-	1,474	1,474	-	-	-	3,788	PGAS	5,942
SOGRS	CTT008			P	1,157	827	864	698	936	484	492	3,572	3,658	-	-	-	5,942		
SOGRS	CTT008			C	(435)	105	287	187	648	484	482	2,098	2,484	-	-	-	2,154		
SOGRS	CTT006	6004	Cable Replacement	B	1,451	680	720	150	150	150	150	1,320	1,920	-	-	-	4,031	PGAS	2,613
SOGRS	CTT006			P	1,124	70	780	539	648	162	193	2,452	3,312	-	-	-	4,506		
SOGRS	CTT006			C	(327)	(590)	60	489	488	42	43	1,132	1,392	-	-	-	475		
SOGRS	CTT006	7724	Emergency Trip System Replacement	B	4,945	32	-	-	-	-	-	-	-	-	-	-	4,977	PGAS	5,118
SOGRS	CTT006			P	4,628	39	215	84	85	87	-	451	451	-	-	-	5,118		
SOGRS	CTT006			C	(317)	7	215	84	85	67	-	451	451	-	-	-	141		
SOGRS	CTT008	8237	RTU Expansion	B	1,810	259	282	287	287	271	251	1,318	1,572	-	-	-	3,341	PGAS	4,205
SOGRS	CTT008			P	1,489	382	370	367	369	375	421	1,902	2,334	-	-	-	4,205		
SOGRS	CTT008			C	(21)	123	108	100	102	104	170	584	782	-	-	-	864		
SOGRS	CTT008	6239	Communication System Security Risk Study and Implementation	B	25	170	51	52	-	-	-	103	103	-	-	-	289	PGAS	308
SOGRS	CTT008			P	29	173	53	53	-	-	-	106	106	-	-	-	308		
SOGRS	CTT008			C	4	3	2	1	-	-	-	3	3	-	-	-	10		
SOGRS	CTT006	6377	CCTV In The Yards	B	276	85	87	-	-	-	-	87	87	-	-	-	448	PGAS	948
SOGRS	CTT006			P	217	-	70	88	573	-	-	731	731	-	-	-	948		
SOGRS	CTT006			C	(59)	(85)	(17)	88	573	-	-	644	644	-	-	-	500		
SOGRS	CTT006	6251	Elevator/Escalator Remote Monitoring System	B	2,950	1,709	752	979	-	-	-	1,731	1,731	-	-	-	8,390	PGAS	6,404
SOGRS	CTT006			P	1,426	2,043	1,216	1,068	851	-	-	2,935	2,935	-	-	-	8,404		
SOGRS	CTT006			C	(1,524)	334	468	87	851	-	-	1,204	1,204	-	-	-	14		
SOGRS	CTT006	6020	Transit Backup Control Centre	B	808	722	1,174	1,564	-	-	-	2,738	2,738	-	-	-	4,266	PGAS	5,668
SOGRS	CTT006			P	706	980	2,100	1,831	51	-	-	3,982	3,982	-	-	-	5,668		
SOGRS	CTT006			C	(102)	258	926	287	51	-	-	1,244	1,244	-	-	-	1,400		

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SOGRS	CTT006	6144	SCADA RTU - Surface Properties	B	128	159	229	246	160	183	99	697	897	-	1,184	PGAS	1,271
SOGRS	CTT006			P	76	98	159	233	233	235	237	1,097	1,097	-	1,271		
	CTT006			C	(52)	(61)	(70)	(13)	73	72	138	200	200	-	87		
SOGRS	CTT006	6161	Radio Antenna Modifications	B	288	302	472	-	-	-	-	472	472	-	1,082	PGAS	1,382
SOGRS	CTT006			P	259	479	624	-	-	-	-	624	624	-	1,382		
	CTT006			C	(29)	177	152	-	-	-	-	152	152	-	300		
SOGRS	CTT006	6172	Track Level Occupancy Lights	B	-	505	738	1,158	784	-	-	2,660	2,660	-	3,165	PGAS	3,250
SOGRS	CTT006			P	28	482	145	318	474	481	493	1,812	2,740	-	3,250		
	CTT006			C	28	(23)	(583)	(839)	(290)	481	493	(748)	80	-	85		
IMPROV	CTT006	6939	Garage CCTV	B	5	175	187	-	-	-	-	187	175	-	347	PGAS	354
IMPROV	CTT006			P	8	178	168	-	-	-	-	168	168	-	354		
	CTT006			C	3	3	1	-	-	-	-	1	1	-	7		
SOGRS	CTT006	6224	FibreOptic Upgrade	B	201	-	-	-	-	262	356	618	1,486	-	1,687	PGAS	1,687
SOGRS	CTT006			P	8	193	-	-	-	262	356	618	1,486	-	1,687		
	CTT006			C	(193)	193	-	-	-	-	-	-	-	-	-		
SOGRS	CTT006	6225	Radio System Battery Replacement	B	175	175	180	188	190	195	187	938	1,712	-	2,082	PGAS	594
SOGRS	CTT006			P	13	191	192	198	200	202	204	996	2,087	-	2,291		
	CTT006			C	(162)	16	12	12	10	7	17	58	375	-	229		
SOGRS	CTT006	6581	Subway Station RTU's	B	-	56	431	438	443	451	458	2,221	4,117	-	4,173	PGAS	574
SOGRS	CTT006			P	-	-	74	500	505	511	518	2,108	4,786	-	4,780		
	CTT006			C	-	(58)	(357)	82	82	80	60	(113)	669	-	613		
SOGRS	CTT006	6994	Train Door Monitoring	B	172	1,980	1,751	145	-	-	-	1,896	1,896	-	4,048	PGAS	6,270
SOGRS	CTT006			P	44	1,947	1,213	2,652	414	-	-	4,279	4,279	-	5,270		
	CTT006			C	(128)	(93)	(538)	2,507	414	-	-	2,363	2,363	-	2,222		
SOGRS	CTT006	6995	Turnback Locations	B	32	224	211	-	-	-	-	211	211	-	467	PGAS	508
SOGRS	CTT006			P	9	51	238	210	-	-	-	448	448	-	508		
	CTT006			C	(23)	(173)	27	210	-	-	-	237	237	-	41		
SOGRS	CTT006	TBD	Future Communication Systems Rehabilitation Requirements	B	-	-	-	-	-	-	4,000	4,000	20,300	-	20,300		-
SOGRS	CTT006			P	-	-	-	-	-	-	-	-	-	-	-		
	CTT006			C	-	-	-	-	-	-	(4,000)	(4,000)	(20,300)	-	(20,300)		
SOGRS	CTT006	6037	Scada Master Replacement	B	-	1,040	1,174	932	841	345	-	3,292	3,292	-	4,332	PGAS	4,495
SOGRS	CTT006			P	-	470	798	631	1,225	1,371	-	4,025	4,025	-	4,495		
	CTT006			C	-	(670)	(378)	(301)	384	1,028	-	733	733	-	163		
SOGRS	CTT006	6241	Fibre Cable to CIS Divisions	B	351	152	-	-	-	-	-	-	-	-	593	PGAS	539
SOGRS	CTT006			P	275	234	30	-	-	-	-	30	30	-	539		
	CTT006			C	(76)	82	30	-	-	-	-	30	30	-	96		
SOGRS	CTT006	6145	Subway Car PA Amplifier Replacement	B	223	82	-	-	-	-	-	-	-	-	305	PGAS	305
SOGRS	CTT006			P	216	87	-	-	-	-	-	-	-	-	305		
	CTT006			C	(9)	5	-	-	-	-	-	-	-	-	-		
SOGRS	CTT006	6198	Garage / Carhouse Public Address & Intercoms	B	3,004	496	-	-	-	-	-	-	-	-	3,500	PGAS	5,000
SOGRS	CTT006	TBD		P	3,013	487	-	-	-	-	-	-	-	5,000			
	CTT006			C	9	(9)	-	-	-	-	-	-	1,500	-	1,500		
IMPROV	CTT006	6838	Commuter Parking Lots CCTV	B	275	358	-	-	-	-	-	-	-	-	633	PGAS	656
IMPROV	CTT006			P	4	-	281	371	-	-	-	652	652	-	656		
	CTT006			C	(271)	(358)	281	371	-	-	-	652	652	-	23		
SOGRS	CTT006	6807	PAX Phone Replacement	B	1,710	337	-	-	-	-	-	-	-	-	2,047	PGAS	2,047
SOGRS	CTT006			P	1,487	560	-	-	-	-	-	-	-	-	2,047		
	CTT006			C	(223)	223	-	-	-	-	-	-	-	-	-		
SOGRS	CTT006	6031	Conventional Radio System Modifications	B	892	241	-	-	-	-	-	-	-	-	923	PGAS	935
SOGRS	CTT006			P	570	85	-	-	-	-	-	-	-	-	935		
	CTT006			C	(112)	(176)	-	-	-	-	-	-	-	-	(289)		
SOGRS	CTT006	6806	Replacement of Collector's Booth Annunciation	B	1,187	-	-	-	-	-	-	-	-	-	1,187	PGAS	1,190
SOGRS	CTT006			P	1,186	24	-	-	-	-	-	-	-	-	1,190		
	CTT006			C	(21)	24	-	-	-	-	-	-	-	-	3		

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APPENDIX B

Category	CTT No.	WD #	DESCRIPTION	CITY	PROBABLE							2013-2017	2013-2022	PG&T 2022	EFC	FUNDING PROGRAM*	CITY Approval Request	
					to 2011	2012	2013	2014	2015	2016	2017							
New Projects																		
SOGRS	CTT006	New	Transit Control ICS and SCADA Integration	B	-	-	-	-	-	-	-	-	-	-	-	PGAS	494	
SOGRS	CTT006			P	-	-	-	151	210	133	-	494	494	-	494			
SOGRS	CTT006			C	-	-	-	151	210	133	-	494	494	-	494			
SOGRS	CTT006	New	Subway Radio Antenna System (SRAS) Overhaul	B	-	-	-	-	-	-	-	-	-	-	-	PGAS	14,993	
SOGRS	CTT006			P	-	-	-	2,502	2,511	2,521	2,531	10,065	14,993	-	14,993			
SOGRS	CTT006			C	-	-	-	2,502	2,511	2,521	2,531	10,065	14,993	-	14,993			
SOGRS	CTT006	New	Passenger Assist Intercom Upgrade (DWA)	B	-	-	-	-	-	-	-	-	-	-	-	PGAS	2,808	
SOGRS	CTT006			P	-	-	-	-	-	-	-	-	2,808	-	2,808			
SOGRS	CTT006			C	-	-	-	-	-	-	-	-	2,808	-	2,808			
Sub-Total Communications					SB	48,337	19,272	17,537	12,150	5,661	4,236	11,529	50,513	78,245	-	145,854		
					SP	42,061	17,825	19,467	23,510	15,169	9,776	10,900	78,822	108,832	910	167,828		144,329
					SC	(6,276)	(1,447)	1,930	11,360	10,108	5,540	(629)	28,309	28,587	910	21,774		
2.4 Signal Systems																		
Existing Projects																		
SOGRS	CTT142	7733	YUS ATC Resignalling	B	120,088	91,870	62,750	57,625	35,949	27,445	8,909	192,678	195,700	-	407,748	Metrolinx	407,748	
SOGRS	CTT142			P	86,076	61,301	63,478	52,898	43,623	45,740	27,470	233,007	260,371	-	407,748			
SOGRS	CTT142			C	(34,012)	(30,569)	728	(4,929)	7,674	18,295	18,561	40,329	64,581	-	-			
SOGRS	CTT008	6615	Continuous Speed Control System	B	43,547	2,852	2,909	621	-	-	-	3,530	3,530	-	49,729	PGAS	51,083	
SOGRS	CTT008			P	43,401	1,879	2,263	3,123	397	-	-	5,803	5,803	-	51,083	GTIP <2007	51,083	
SOGRS	CTT008			C	(148)	(773)	(626)	2,502	397	-	-	2,273	1,354	-	1,354			
SOGRS	CTT008	6610	Switch Machine Replacement / Refurbishment	B	14,139	800	435	849	689	664	794	3,231	6,045	-	20,984		16,076	
SOGRS	CTT008			P	14,192	800	435	649	689	654	794	3,231	6,670	-	21,882			
SOGRS	CTT008			C	53	-	-	-	-	-	-	-	625	-	676			
SOGRS	CTT008	6616	Subway Signal System Alterations	B	12,080	552	514	526	-	-	-	1,040	1,040	-	13,672		13,672	
SOGRS	CTT008			P	12,185	552	514	421	-	-	-	935	935	-	13,672			
SOGRS	CTT008			C	105	-	-	(105)	-	-	-	(105)	(105)	-	-			
SOGRS	CTT008	7044	Streetcar Tracks with & Controllers Rehabilitation & Replacement	B	2,443	889	2,525	2,546	2,608	2,539	2,105	12,324	12,324	-	15,656	GTIP 2010>	15,656	
SOGRS	CTT008			P	2,135	889	1,025	2,546	2,600	2,539	2,413	11,132	12,632	-	15,656			
SOGRS	CTT008			C	(308)	-	(1,500)	-	-	308	-	(1,192)	308	-	-			
SOGRS	CTT008	6005	Signal Cable Replacement	B	1,948	418	430	443	458	470	482	2,281	4,332	-	6,764	GTIP 2010>	2,595	
SOGRS	CTT008			P	1,192	428	521	458	471	480	493	2,421	5,015	-	6,833			
SOGRS	CTT008			C	148	10	91	13	15	10	11	140	683	-	839			
SOGRS	CTT008	7729	Replace Signal Instrument Cases	B	1,381	425	255	197	201	219	218	1,090	2,018	-	3,824	GTIP 2010>	4,241	
SOGRS	CTT008			P	1,138	604	465	291	296	271	248	1,571	2,499	-	4,241			
SOGRS	CTT008			C	(243)	179	210	94	95	52	30	481	481	-	417			
SOGRS	CTT008	7730	Trainstop Replacement	B	12,552	984	643	-	-	-	-	643	643	-	14,179	FGT	14,405	
SOGRS	CTT008			P	12,330	1,200	875	-	-	-	-	875	875	-	14,405			
SOGRS	CTT008			C	(222)	216	232	-	-	-	-	232	232	-	226			
SOGRS	CTT008	6252	Yard Interchange Signal Upgrades	B	597	780	736	487	-	-	-	1,223	1,223	-	2,600		2,600	
SOGRS	CTT008			P	299	980	834	487	-	-	-	1,321	1,321	-	2,600			
SOGRS	CTT008			C	(298)	200	98	-	-	-	-	98	98	-	-			
SOGRS	CTT008	TBD	Signalling of Davisville Yard	B	-	-	-	-	1,418	1,422	1,400	4,240	7,040	-	7,040		7,040	
SOGRS	CTT008			P	-	-	-	-	1,422	1,423	1,423	2,845	7,040	-	7,040			
SOGRS	CTT008			C	-	-	-	-	(1,418)	-	23	(1,395)	-	-	-			
SOGRS	CTT008	6438	SRT Loop Cable and Axle Counter Replacement	B	497	863	624	-	-	-	-	624	624	-	1,714		1,739	
SOGRS	CTT008			P	164	891	774	-	-	-	-	774	774	-	1,739			
SOGRS	CTT008			C	(243)	118	150	-	-	-	-	150	150	-	26			
SOGRS	CTT142	TBD	Bloor-Danforth ATC Resignalling	B	-	-	-	500	1,500	14,378	32,999	49,377	240,687	190,778	431,465		300,687	
SOGRS	CTT142			P	-	-	-	500	1,500	14,378	32,999	49,377	300,687	130,778	431,465			
SOGRS	CTT142			C	-	-	-	-	-	-	-	-	80,000	(80,000)	-			
SOGRS	CTT008	6033	Zone Control Panel Rehabilitation	B	1,725	289	-	-	-	-	-	-	-	-	2,014	GTIP 2010>	2,014	
SOGRS	CTT008			P	1,736	278	-	-	-	-	-	-	-	-	2,014	TS <2008	2,014	
SOGRS	CTT008			C	11	(11)	-	-	-	-	-	-	-	-	-			

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						2013	2014	2015	2016	2017	2018						
SOGRS	CTT008	6440	Bloor Danforth and Greenwood Yard Capacity Study	B	199	61	-	-	-	-	-	-	-	-	-	280	
SOGRS	CTT008			P	37	237	-	-	-	-	-	-	-	-	-	274	274
	CTT008			C	(162)	176	-	-	-	-	-	-	-	-	-	14	
SOGRS	CTT008	6434	Event Recorder Replacement	B	72	139	-	-	-	-	-	-	-	-	-	211	
SOGRS	CTT008			P	72	-	890	849	175	-	1,814	1,914	-	-	-	1,996	1,996
	CTT008			C	-	(139)	-	890	849	175	1,814	1,914	-	-	-	1,775	
			New Projects														
SOGRS	CTT008	New	Wilson Yard Resignalling	B	-	-	-	-	-	-	-	-	-	-	-	-	PGAS
SOGRS	CTT008			P	-	-	-	400	3,600	9,000	13,000	41,025	-	-	-	41,025	41,025
	CTT008			C	-	-	-	400	3,600	9,000	13,000	41,025	-	-	-	41,025	
			Sub-Total Signal Systems	SB	210,278	100,540	71,821	63,564	42,802	47,157	46,907	272,281	475,298	190,778	-	978,860	
				SP	174,957	69,947	71,204	62,059	50,814	69,289	74,840	328,206	647,561	130,778	-	1,023,243	882,841
				SC	(35,318)	(30,593)	(617)	(1,535)	8,612	22,132	27,933	55,925	172,285	(80,000)	-	46,353	
			2.5 Energy Management														
IMPROV	CTT139	6905	Communications Infrastructure Upgrade	B	251	-	-	-	-	-	-	-	-	-	-	251	FGT
IMPROV	CTT139			P	44	16	-	-	-	-	-	-	-	-	-	60	60
	CTT139			C	(207)	16	-	-	-	-	-	-	-	-	-	(191)	
IMPROV	CTT139	6906	Facility Energy Conservation	B	3,073	-	-	-	-	-	-	-	-	-	-	3,073	FGT
IMPROV	CTT139			P	2,783	393	-	-	-	-	-	-	-	-	-	3,178	3,176
	CTT139			C	(290)	393	-	-	-	-	-	-	-	-	-	103	
IMPROV	CTT139	6030	Remote Metering Implementation	B	455	-	-	-	-	-	-	-	-	-	-	455	FGT
IMPROV	CTT139			P	366	53	-	-	-	-	-	-	-	-	-	419	419
	CTT139			C	(89)	53	-	-	-	-	-	-	-	-	-	(36)	
IMPROV	CTT139	6907	Efficient Lighting	B	880	-	-	-	-	-	-	-	-	-	-	880	FGT
IMPROV	CTT139			P	878	174	-	-	-	-	-	-	-	-	-	1,052	1,052
	CTT139			C	(2)	174	-	-	-	-	-	-	-	-	-	172	
			Sub-Total Finishes	SB	4,859	-	-	-	-	-	-	-	-	-	-	4,859	
				SP	4,071	636	-	-	-	-	-	-	-	-	-	4,707	4,707
				SC	(568)	636	-	-	-	-	-	-	-	-	-	48	
			BUILDINGS & STRUCTURES														
			3.1 Finishes														
			Annual Programs														
SOGRS	CTT010	6963	Roofing Rehabilitation Program	B	36,983	17,039	14,729	14,037	14,692	15,396	15,857	74,911	120,280	-	174,312	ISF <2011	
SOGRS	CTT010			P	32,826	7,621	10,446	17,784	18,069	13,765	14,902	72,966	145,255	-	165,862	68,777	68,777
	CTT010			C	(4,057)	(9,418)	(4,283)	3,747	1,177	(1,631)	(955)	(1,945)	24,985	-	11,460		
SOGRS	CTT010	6964	Masonry Structure Restoration	B	4,865	738	604	828	852	658	434	3,778	5,845	-	11,248	PTCT <2008	
SOGRS	CTT010			P	5,033	631	370	570	570	570	570	2,850	5,687	-	11,351	FGT >2008	8,604
	CTT010			C	168	(107)	(434)	(258)	(282)	(288)	138	(1,128)	42	-	103		
			Existing Projects														
SOGRS	CTT010	7883	Overhead Doors	B	5,192	577	695	325	982	407	-	2,419	2,419	-	8,188	PTCT <2008	
SOGRS	CTT010			P	4,537	817	875	1,185	913	315	501	3,789	3,824	-	9,178	FGT >2008	9,178
	CTT010			C	(655)	240	180	860	(79)	(92)	501	1,370	1,405	-	990		
IMPROV	CTT010	6582	Station Modernization Program	B	19,760	8,135	8,657	4,324	-	-	-	12,981	12,981	-	40,876	ISF <2011	
IMPROV	CTT010			P	17,462	8,475	8,793	4,806	1,900	420	-	15,879	15,879	-	41,816	41,816	
	CTT010			C	(2,298)	340	98	482	1,900	420	-	2,898	2,898	-	940		
IMPROV	CTT010	6537	Cumberland Entrance to Bay Station	B	1,200	-	-	-	-	-	-	-	-	-	-	1,200	SECTION 37
IMPROV	CTT010			P	1,106	94	-	-	-	-	-	-	-	-	-	1,200	& 4E
	CTT010			C	(94)	94	-	-	-	-	-	-	-	-	-	-	1,200

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					to 2011	2012	2013	2014	2015	2016	2017						
SOGRS	CTT010	6403	Subway Station Ceiling Replacement Program	B	-	250	250	250	250	250	250	1,250	2,250	-	2,500		434
SOGRS	CTT010			P	-	50	57	317	318	250	250	1,200	2,450	-	2,500		
	CTT010			C	-	(200)	(183)	67	66	-	-	(50)	200	-	-		
<i>Sub-Total Finishes</i>				SB	68,000	26,739	25,135	19,764	16,966	16,911	16,541	95,337	143,585	-	238,324		
				SP	61,064	17,698	20,511	24,862	19,768	15,320	16,223	96,484	173,095	-	251,847		120,009
				SC	(6,936)	(9,051)	(4,624)	4,898	2,782	(1,991)	(318)	1,147	29,510	-	13,523		
3.2 Equipment																	
Annual Programs																	
SOGRS	CTT012	6912	Subway Escalator Overhaul Program	B	41,984	8,028	8,108	7,103	7,224	7,304	7,523	37,262	89,200	-	119,213	CSIF <2008	60,253
SOGRS	CTT012			P	40,791	7,326	7,354	4,782	7,141	7,893	7,752	34,722	76,492	-	124,609	ISF <2011	
	CTT012			C	(1,193)	(703)	(754)	(2,321)	(83)	389	229	(2,540)	7,292	-	5,396		
SOGRS	CTT012	6965	Subway Pump Replacement Program	B	4,336	2,455	1,898	1,352	857	791	895	5,393	8,053	-	14,844	PGAS	13,906
SOGRS	CTT012			P	3,709	3,158	3,800	3,239	3,000	3,000	3,000	16,039	47,937	-	54,604		
	CTT012			C	(627)	703	2,102	1,887	2,143	2,209	2,305	16,646	39,884	-	39,980		
Existing Projects																	
LEGIS	CTT012	594X	Fall Prevention Systems	B	5,551	1,760	1,569	1,393	981	275	-	4,218	4,218	-	11,529	PGAS	13,479
LEGIS	CTT012			P	5,515	2,344	1,007	1,728	1,013	128	950	4,829	5,820	-	13,479		
	CTT012			C	(236)	584	(562)	332	32	(150)	950	602	1,602	-	1,950		
SOGRS	CTT012	590X	Bus Cleaning Equipment Program	B	5,842	2,583	1,373	1,734	2,050	1,683	-	8,840	6,840	-	15,265	PGAS	15,265
SOGRS	CTT012			P	5,769	495	350	869	2,081	2,042	1,600	5,942	9,001	-	15,265		
	CTT012			C	(73)	(2,088)	(1,023)	(865)	31	359	1,600	102	2,161	-	-		
SOGRS	CTT012	6281	Elevator Overhaul	B	4,310	419	981	1,681	1,221	-	-	3,883	3,883	-	8,612	ISF <2011	9,824
SOGRS	CTT012			P	4,130	523	841	1,080	994	924	600	4,429	5,171	-	9,824		
	CTT012			C	(180)	104	(140)	(801)	(227)	924	600	556	1,288	-	1,212		
SOGRS	CTT012	6050	Bus Hoist Replacement	B	6,143	1,972	5,144	6,042	2,443	4,888	9,888	28,413	61,046	-	69,161	PGAS	69,161
SOGRS	CTT012			P	5,086	2,751	2,801	5,183	4,943	4,896	9,888	28,711	61,344	-	69,161		
	CTT012			C	(1,937)	759	(2,343)	141	2,300	-	298	298	-	-	-		
SOGRS	CTT012	6483	Subway Machine Rooms Air Conditioning Systems	B	843	1,811	1,518	1,697	1,326	1,434	575	6,550	7,125	-	9,879	PGAS	9,879
SOGRS	CTT012			P	562	797	1,002	1,393	1,579	2,009	1,193	7,173	8,520	-	9,879		
	CTT012			C	(281)	(1,114)	(516)	(304)	253	572	618	623	1,395	-	-		
SOGRS	CTT012	6178	Bus Washracks	B	465	1,379	2,250	2,275	861	-	-	5,128	5,128	-	7,000	PGAS	7,000
SOGRS	CTT012			P	568	215	1,352	1,913	804	846	702	5,917	6,217	-	7,000		
	CTT012			C	73	(1,164)	(868)	(382)	203	846	702	491	1,091	-	-		
SOGRS	CTT012	6181	Escalator Replacement Program	B	800	1,305	2,835	2,800	1,800	1,750	1,395	10,350	14,825	-	16,930	PGAS	8,396
SOGRS	CTT012			P	699	600	430	2,553	3,723	1,750	1,700	10,156	16,931	-	18,230		
	CTT012			C	(101)	(705)	(2,205)	(247)	1,823	-	335	(194)	2,108	-	1,300		
LEGIS	CTT012	6465	Diesel Emission Control Equipment	B	276	915	813	813	511	-	-	2,437	2,437	-	5,628	PGAS	3,628
LEGIS	CTT012			P	89	300	585	823	710	761	250	3,239	3,239	-	3,628		
	CTT012			C	(187)	(615)	(118)	10	(101)	761	250	802	802	-	-		
IMPRCV	CTT012	6014	Wheel Monitoring System	B	542	1,310	160	-	-	-	-	160	160	-	2,012	PGAS	2,012
IMPRCV	CTT012			P	207	1,135	970	-	-	-	-	870	670	-	2,012		
	CTT012			C	(336)	(175)	510	-	-	-	-	510	-	-	-		
SOGRS	CTT012	7872	Ventilation Upgrade and Modifications - Arrow Road & Malvern Bus Garages	B	9,182	-	-	-	-	-	-	-	-	-	9,182	PGAS	9,182
SOGRS	CTT012			P	8,853	328	-	-	-	-	-	-	-	-	8,182		
	CTT012			C	(329)	329	-	-	-	-	-	-	-	-	-		
<i>Sub-Total Equipment</i>				SB	50,304	24,038	26,248	26,820	19,314	18,133	20,045	110,632	182,913	-	287,255		
				SP	75,778	19,953	23,302	24,560	25,988	24,043	27,835	122,526	241,342	-	337,073		221,855
				SC	(4,526)	(4,065)	(5,947)	(2,330)	6,674	5,910	7,680	11,665	58,429	-	49,818		
3.3 Yards & Roads																	
Annual Programs																	
SOGRS	CTT018	6967	On-Grade Paving Rehabilitation Program	B	20,951	7,500	11,587	8,562	11,225	18,074	8,616	58,084	102,905	-	131,356	PTCT <2008	37,770
SOGRS	CTT018			P	18,614	5,304	3,993	9,859	11,057	14,361	15,056	54,328	125,108	-	149,028	ISF <2011	
	CTT018			C	(2,337)	(2,196)	(7,594)	1,297	(186)	(3,713)	6,442	(3,736)	22,203	-	17,670		

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					2011	2012	2013	2014	2015	2016	2017							
Existing Projects																		
CAPENH	CTT015	6384	Streetcar Network Upgrades for LRV	B	1,510	5,552	7,701	12,257	12,007	3,976	4,739	40,740	42,366	-	50,428	GTIP 2006>	57,953	
CAPENH	CTT015			P	964	5,365	5,088	18,935	13,426	7,723	6,728	49,898	51,624	-	57,953			
CAPENH	CTT015			C	(548)	(1,187)	(2,613)	4,878	1,359	3,747	1,987	9,158	-	7,525				
EXPAN	CTT015	7879	Bus Rapid Transit (BRT) - Spadina Subway to York University/Steeles Avenue	B	34,026	-	-	-	-	-	-	-	-	4,553	38,579	CSIF	34,584	
EXPAN	CTT015			P	32,572	457	-	-	-	-	-	-	1,856	3,996	38,579	GTIP 2010>		
EXPAN	CTT015			C	(1,454)	457	-	-	-	-	-	-	1,555	(556)	-			
SOGRS	CTT015	6052	Roncesvalles Accessible Streetcar/LRV Platforms	B	1,338	-	-	-	-	-	-	-	-	-	1,338		1,125	
SOGRS	CTT015			P	1,125	-	-	-	-	-	-	-	-	-	1,125			
SOGRS	CTT015			C	(211)	-	-	-	-	-	-	-	-	-	(211)			
IMPROV	CTT064	6973	Transit Shelters & Loops	B	3,051	-	-	-	-	-	-	-	-	-	3,051	GTIP 2010>	3,051	
IMPROV	CTT064			P	2,229	822	-	-	-	-	-	-	-	-	3,051			
IMPROV	CTT064			C	(822)	822	-	-	-	-	-	-	-	-	-			
IMPROV	CTT124	6086	Commuter Parking Expansion - Short Term Improvements Phase	B	7,491	-	-	-	-	-	-	-	-	-	7,491	PGAS	7,500	
IMPROV	CTT124			P	7,300	200	-	-	-	-	-	-	-	-	7,500			
IMPROV	CTT124			C	(191)	200	-	-	-	-	-	-	-	-	9			
Sub-Total Yards & Roads					SB	68,365	14,952	19,288	20,818	23,292	22,050	13,355	98,804	145,271	4,553	232,241		141,883
					SP	62,504	12,148	9,081	28,794	24,483	22,084	21,784	104,226	178,287	3,996	257,234		
					SC	(5,561)	(1,904)	(10,207)	3,975	1,191	34	8,428	5,422	33,016	(558)	24,993		
3.4 Bridges & Tunnels																		
Annual Programs																		
SOGRS	CTT020	6974	Structural Paving Rehabilitation Program	B	15,460	5,499	8,428	5,025	5,000	7,000	7,000	32,451	60,451	-	81,410	PTCT <2008	30,237	
SOGRS	CTT020			P	15,509	3,153	3,568	8,907	8,178	7,995	7,000	34,748	69,748	-	88,410	ISF <2011		
SOGRS	CTT020			C	49	(2,349)	(4,858)	2,982	3,176	995	-	2,287	9,297	-	7,000			
SOGRS	CTT020	6128	Maintenance of Joint TTC / Toronto Transportation Bridges	B	11,505	1,526	1,526	1,220	1,400	1,600	1,800	7,546	15,907	-	28,938	PTCT <2008	15,232	
SOGRS	CTT020			P	10,960	1,526	1,526	1,220	1,400	1,600	1,800	7,546	18,131	-	30,817	ISF <2011		
SOGRS	CTT020			C	(545)	-	-	-	-	-	-	-	2,224	-	1,679			
SOGRS	CTT020	6975	Bridges / Structures Maintenance Program	B	40,584	14,055	7,989	8,365	8,883	8,302	7,602	40,921	71,327	-	129,256	PTCT <2008	88,412	
SOGRS	CTT020			P	39,303	13,289	9,359	9,470	8,300	10,886	8,462	46,277	84,293	-	133,886	ISF <2011		
SOGRS	CTT020			C	(4,581)	(775)	1,370	1,105	(393)	2,354	889	5,359	12,956	-	7,600			
SOGRS	CTT020	6123	Tunnel & Station Leak Remediation Program	B	56,417	2,738	2,815	2,951	3,097	4,200	4,500	17,583	37,613	-	98,766	PTCT <2008	64,383	
SOGRS	CTT020			P	54,275	3,317	3,357	3,434	3,513	5,134	3,594	19,032	44,414	-	102,006	ISF <2011		
SOGRS	CTT020			C	(2,142)	879	542	483	416	934	(908)	1,489	8,801	-	5,238			
SOGRS	CTT020	6813	Structure Rehabilitation Program	B	71,370	19,521	18,692	19,215	19,753	20,306	20,875	98,841	189,333	-	279,224	CSIF <2009	104,467	
SOGRS	CTT020			P	62,048	11,812	13,528	17,081	17,545	18,077	18,450	84,681	197,947	-	271,805			
SOGRS	CTT020			C	(8,324)	(7,709)	(5,164)	(2,134)	(2,208)	(2,229)	(2,425)	(14,180)	9,514	-	(7,419)			
SOGRS	CTT020	6581	Prince Edward Viaduct - Beam Replacement	B	6,668	1,483	1,528	2,000	2,100	2,300	2,500	10,428	21,714	-	28,865	ISF <2011	11,358	
SOGRS	CTT020			P	6,347	1,483	1,528	2,000	2,100	2,300	2,500	10,428	24,716	-	32,546	PTCT <2008		
SOGRS	CTT020			C	(321)	-	-	-	-	-	-	-	3,092	-	2,681			
Existing Projects																		
SOGRS	CTT020	7888	Precast Tunnel Liner Rehabilitation	B	42,198	7,881	7,389	400	-	-	-	7,789	7,789	-	57,888	CSIF <2009	58,118	
SOGRS	CTT020			P	40,811	6,354	5,328	5,177	1,450	-	-	11,953	11,953	-	59,118	ISF <2011		
SOGRS	CTT020			C	(1,387)	(1,327)	(2,063)	4,777	1,450	-	-	4,184	4,164	-	1,450			
IMPROV	CTT020	TBD	Structure Maintenance Database Upgrade	B	-	-	509	-	-	-	-	509	1,018	-	1,018		1,018	
IMPROV	CTT020			P	-	-	509	-	-	-	-	509	1,018	-	1,018			
IMPROV	CTT020			C	-	-	-	-	-	-	-	-	-	-	-			
Sub-Total Bridges & Tunnels					SB	244,502	52,503	48,874	39,176	40,013	43,708	44,277	216,048	404,152	-	701,157		354,225
					SP	226,251	40,825	38,701	46,389	42,488	45,792	41,806	215,174	452,210	-	719,386		
					SC	(18,251)	(11,878)	(10,173)	7,213	2,473	2,084	(2,471)	(674)	48,058	-	18,229		

**CAPITAL BUDGET SUBMISSION
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**TORONTO TRANSIT COMMISSION 2013-2022 CAPITAL BUDGET
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(\$'000's)**

APPENDIX B

Category	CTT No.	WO #	DESCRIPTION	CITY to 2011	PROBABLE 2012	2013	2014	2015	2016	2017	2013-2017	2013-2022	POST 2022	EPC	FUNDING PROGRAM *	CITY Approval Request	
3.3 Buildings and Structures Projects																	
Existing Projects																	
SOGRS	CTT024	577x	Fire Ventilation Upgrade	B	105,891	26,285	39,915	38,183	17,234	9,278	10,432	113,042	137,710	214,767	488,643	CSIF	281,031
SOGRS	CTT024			P	110,017	26,149	28,210	32,544	29,564	13,359	9,365	113,042	144,865	207,612	488,643		
	CTT024			C	136	(139)	(11,705)	(3,939)	12,330	4,081	(1,087)	-	7,155	(7,155)	-		
LEGIS	CTT028	585X	Easier Access Phase III	B	151,126	22,251	31,780	32,663	34,681	30,932	28,443	158,499	243,800	45,423	485,800	ISF <2011	
LEGIS	CTT028			P	148,559	15,978	18,128	39,251	36,910	47,150	49,818	191,055	390,058	88,572	653,463	PTCT <2008	554,561
	CTT028			C	(2,567)	(6,273)	(13,654)	6,588	2,229	16,218	21,175	32,556	146,256	50,449	137,883		
EXPAN	CTT035	530X	Sheppard Subway - Yonge to Don Mills	B	997,616	1,240	-	-	-	-	-	-	-	-	988,858		
EXPAN	CTT035			P	965,616	3,240	-	-	-	-	-	-	-	-	988,858		988,858
	CTT035			C	(2,000)	2,000	-	-	-	-	-	-	-	-	-		
SOGRS	CTT038	598X	Birchmount Garage Renovations	B	29,722	-	-	-	-	-	-	-	-	-	29,722	FGT / PTCT	
SOGRS	CTT038			P	28,877	45	-	-	-	-	-	-	-	-	29,722		29,722
	CTT038			C	(45)	45	-	-	-	-	-	-	-	-	-		
CAPENH	CTT109	6869	Mount Dennis Bus Garage	B	98,740	500	-	-	-	-	-	-	-	-	99,240	PGAS	
CAPENH	CTT109			P	97,273	1,467	500	-	-	-	-	500	500	-	99,240		99,240
	CTT109			C	(1,467)	987	500	-	-	-	-	500	500	-	-		
SOGRS	CTT115	574x	Birchmount Bus Garage Repair Bay Modifications	B	23,055	109	-	-	-	-	-	-	-	-	23,155	ISF <2011	
SOGRS	CTT115			P	22,154	1,001	-	-	-	-	-	-	-	-	23,155		23,155
	CTT115			C	(901)	901	-	-	-	-	-	-	-	-	-		
SOGRS	CTT118	575x	Queensway Bus Garage Renovations	B	13,340	10,433	453	-	-	-	-	453	453	-	24,226	PTCT / FGT	
SOGRS	CTT118			P	15,321	8,452	453	-	-	-	-	453	453	-	24,226		24,226
	CTT118			C	1,981	(1,981)	-	-	-	-	-	-	-	-	-		
SOGRS	CTT123	7240	Eglinton Bus Terminal Replacement	B	10,755	-	-	-	-	-	375	375	375	57,787	68,917		
SOGRS	CTT123			P	10,558	391	-	-	-	-	-	-	-	-	10,947		10,947
	CTT123			C	(169)	391	-	-	-	(375)	(375)	(375)	(57,787)	(57,787)	(57,970)		
CAPENH	CTT128	7010	Wilson Yard - Fleet Accommodation	B	14,845	-	-	-	-	-	-	-	-	-	14,945	PGAS	
CAPENH	CTT128			P	14,889	56	-	-	-	-	-	-	-	-	14,945		14,945
	CTT128			C	(58)	58	-	-	-	-	-	-	-	-	-		
IMPROV	CTT130	551x	Kipling Station Improvements - East Entrance and PPUDD	B	12,837	-	-	-	-	-	-	-	-	-	12,837	COST SHARING	
IMPROV	CTT130			P	11,723	1,264	400	-	-	-	-	400	400	-	13,387	AGREEMENT	13,387
	CTT130			C	(914)	1,264	400	-	-	-	-	400	400	-	750	GOMTASFP	
IMPROV	CTT131	552x	Islington Station Improvements	B	3,444	-	-	-	-	-	-	-	-	-	3,444	COST SHARING	
IMPROV	CTT131			P	3,153	291	-	-	-	-	-	-	-	-	3,444	AGREEMENT/	3,444
	CTT131			C	(261)	291	-	-	-	-	-	-	-	-	-	LARFOTIP	
SOGRS	CTT143	6096	Platform Edge Doors - YUS Line	B	-	-	-	-	-	-	-	-	550,000	550,000	-		
SOGRS	CTT143			P	-	-	-	-	-	-	-	-	-	-	-		
	CTT143			C	-	-	-	-	-	-	-	-	(550,000)	(550,000)	-		
SOGRS	CTT144	584X	Wilson Complex - Modifications for the Toronto Rocket	B	94,320	4,130	-	-	-	-	-	-	-	-	98,450	PGAS/FGT	
SOGRS	CTT144			P	91,146	2,377	1,800	-	-	-	-	1,800	1,800	-	95,323		95,323
	CTT144			C	(3,174)	(1,753)	1,800	-	-	-	-	1,800	1,800	-	(3,127)		
SOGRS	CTT145	6339	Ashbridges Bay Streetcar Maintenance & Storage Facility (formerly LRT Replacement M & SF)	B	66,913	137,200	162,000	70,508	-	-	-	232,509	232,509	-	438,822	FGT	
SOGRS	CTT145			P	66,887	83,000	140,000	146,000	20,935	-	-	306,935	306,935	-	436,622		436,622
	CTT145			C	(226)	(74,200)	(22,000)	75,491	20,935	-	-	74,426	74,426	-	-		
SOGRS	CTT148	6559	Toronto Rocket / T1 Rail Yard Accommodation	B	6,780	26,400	89,331	97,505	59,353	38,600	4,500	286,289	289,289	316,234	630,703		
SOGRS	CTT148			P	4,867	12,638	31,794	104,469	129,599	93,855	32,978	392,515	392,515	276,234	686,252		410,018
	CTT148			C	(1,913)	(13,764)	(57,537)	6,884	70,248	55,055	28,478	103,228	103,228	(40,000)	47,548		
SOGRS	CTT110	7233	Electrical Substation Upgrade and Leak Remediation	B	2,121	622	294	496	250	131	-	1,171	1,171	-	3,944		
SOGRS	CTT110			P	1,992	810	453	528	333	-	-	1,314	1,314	-	4,016		4,016
	CTT110			C	(229)	158	159	32	83	(131)	-	143	143	-	72		
SOGRS	CTT110	8175	Patten Building Modifications	B	5,625	-	-	-	-	-	-	-	-	-	5,625	FGT	
SOGRS	CTT110			P	5,595	30	-	-	-	-	-	-	-	-	5,625		5,625
	CTT110			C	(30)	30	-	-	-	-	-	-	-	-	-		

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**TORONTO TRANSIT COMMISSION 2013-2022 CAPITAL BUDGET
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APPENDIX B

Category	CTT No.	WD #	DESCRIPTION	CITY	PROBABLE							2013-2017	2013-2022	POST 2022	EPC	FUNDING PROGRAM	CITY Approval Request
					to 2011	2012	2013	2014	2015	2016	2017						
SDGR6	CTT110	8202	Gas Detection Systems	B	5,199	508	100	100	-	-	2,751	2,951	2,951	-	8,659	FGT	8,659
SDGRS	CTT110			P	4,753	955	100	100	-	-	2,751	2,951	2,951	-	8,659		
	CTT110			C	(446)	448	-	-	-	-	-	-	-	-	-		
CAPENH	CTT110	8204	Scarborough Centre Station - New Control Area Equipment	B	44	762	250	-	-	-	-	250	250	-	1,058		
CAPENH	CTT110			P	51	755	450	-	-	-	-	450	450	-	1,258		1,258
	CTT110			C	7	(7)	200	-	-	-	-	200	200	-	200		
SDGRS	CTT110	6398	Surface Way Buildings Replacement	B	607	380	380	360	9,288	9,288	-	19,258	19,258	-	20,223		
SDGRS	CTT110			P	604	850	600	250	4,919	8,000	5,000	18,769	18,769	-	20,223		20,223
	CTT110			C	(3)	490	240	(110)	(4,349)	(1,268)	5,000	(487)	(487)	-	-		
SDGRS	CTT110	6097	LRV Carhouse Facility Renewal Program (formerly Carhouse Modifications - New LRV Program)	B	8,878	19,233	11,128	8,369	10,342	10,898	4,198	42,903	48,789	-	74,900	PGT	
SDGRS	CTT110			P	8,762	13,868	7,058	8,356	11,333	17,473	8,653	52,873	54,772	-	75,400	ISF <2011	36,042
	CTT110			C	(116)	(5,367)	(4,070)	1,987	991	6,575	4,487	9,970	5,683	-	500		
SDGRS	CTT110	8525	Subway Ventilation Shaft Grating System Replacement	B	151	511	497	207	204	205	209	1,322	2,412	-	3,074		
SDGRS	CTT110			P	172	490	497	207	204	205	209	1,322	2,412	-	3,074		3,074
	CTT110			C	21	(21)	-	-	-	-	-	-	-	-	-		
SDGRS	CTT110	6505	Industrial Facility Requirements	B	1,644	2,037	437	731	2,000	-	-	3,188	3,188	44,570	51,638	PGT	
SDGRS	CTT110			P	1,645	400	750	751	437	731	2,000	4,669	4,669	15,312	22,027		6,715
	CTT110			C	(218)	(1,837)	313	20	(1,583)	731	2,000	1,501	1,501	(29,258)	(29,812)		
Facility Renewal Projects																	
IMPROV	CTT110	7873	Office Space Management/Renewal Program	B	17,987	1,905	875	3,071	2,075	850	850	7,721	11,121	-	31,013	PGAS / FGT	
IMPROV	CTT110			P	17,023	1,935	1,342	823	2,520	2,285	2,185	9,166	12,555	-	31,813		21,123
	CTT110			C	(864)	30	467	(2,248)	445	1,435	1,335	1,434	1,434	-	300		
SDGRS	CTT110	8194	Building Facility Renewal Program	B	4,243	928	551	650	548	547	351	2,547	3,947	-	9,116	FGT / PTCT	
SDGRS	CTT110			P	4,388	1,446	643	594	359	358	351	2,305	3,632	-	9,466		7,071
	CTT110			C	145	520	92	44	(189)	(189)	-	(242)	(315)	-	350		
SDGRS	CTT110	6165	Bus Garage/Stops Facility Renewal Program	B	15,795	2,573	1,707	661	488	681	539	4,095	9,738	-	28,097	ISF <2011	
SDGRS	CTT110			P	13,510	3,996	1,990	1,938	1,493	1,823	1,714	8,926	15,580	-	32,598		20,932
	CTT110			C	(2,478)	1,123	283	1,255	975	1,142	1,175	4,830	5,844	-	4,489		
SDGRS	CTT110	8196	Subway Carhouse / Shop Facility Renewal Program	B	18,417	1,377	3,293	150	100	100	350	3,993	5,822	-	25,819	ISF <2011	
SDGRS	CTT110			P	18,146	2,072	3,434	2,496	332	394	394	7,020	10,117	-	30,335		26,118
	CTT110			C	(271)	695	141	2,315	232	294	44	3,027	4,295	-	4,719		
SDGRS	CTT110	8197	Subway Facility Renewal Program	B	8,074	1,309	1,217	772	495	422	304	3,210	4,406	-	13,789	ISF <2011	
SDGRS	CTT110			P	8,228	851	2,094	1,700	1,496	25	100	5,385	7,395	-	16,484	PTCT <2008	12,843
	CTT110			C	154	(458)	847	928	1,001	(397)	(204)	2,175	2,879	-	2,875		
SDGRS	CTT110	6597	Collector Booth Renewal	B	241	858	784	-	-	-	-	764	784	-	1,861		
SDGRS	CTT110			P	210	336	851	464	-	-	-	1,315	1,315	-	1,861		1,861
	CTT110			C	(31)	(520)	87	464	-	-	-	551	551	-	-		
SDGRS	CTT110	7256	McBrien Building Renovations	B	4,018	961	1,000	3,000	2,000	-	-	8,000	6,000	-	10,977		
SDGRS	CTT110			P	3,917	346	598	346	-	-	-	944	944	-	5,207		5,207
	CTT110			C	(86)	(815)	(402)	(2,654)	(2,000)	-	-	(5,056)	(5,056)	-	(5,770)		
SDGRS	CTT110	8548	Duncan Shop - Ventilation Upgrade	B	1,087	875	8,154	5,084	2,546	-	-	13,784	13,784	-	15,748		
SDGRS	CTT110			P	437	450	780	450	5,500	8,500	1,829	14,859	14,859	-	15,748		15,748
	CTT110			C	(650)	(425)	(5,374)	(4,634)	2,954	8,500	1,829	1,075	1,075	-	-		
SDGRS	CTT110	8852	Design and Install/ Replace Parts Domes	B	119	474	445	-	-	-	-	445	445	-	1,038		
SDGRS	CTT110			P	95	132	375	-	-	-	369	811	811	-	1,038		1,038
	CTT110			C	(24)	(342)	(70)	-	-	87	369	368	368	-	-		
SDGRS	CTT110	6651	Skylights Replacement Project (formerly: Glencalm and Scarborough Centre Roof Structure and Skylights)	B	405	724	2,338	4,893	2,795	-	-	10,026	10,026	-	11,155		
SDGRS	CTT110			P	169	858	1,588	5,098	4,210	400	458	11,750	11,750	-	12,905		12,905
	CTT110			C	(206)	232	(752)	203	1,415	400	458	1,724	1,724	-	1,750		
SDGRS	CTT110	8870	Revenue Operations Facility	B	8,685	2,000	-	-	-	-	-	-	-	-	10,895		
SDGRS	CTT110			P	493	1,400	5,360	8,700	5,200	-	-	19,200	19,200	-	21,093		21,093
	CTT110			C	(8,202)	(600)	5,300	8,700	5,200	-	-	19,200	19,200	-	10,398		
EXPAN	CTT110	8875	Downtown Relief Line Study	B	2,028	-	-	-	-	-	-	-	-	-	2,028		
EXPAN	CTT110			P	488	1,560	1,000	-	-	-	-	1,000	1,000	-	3,028		3,028
	CTT110			C	(1,560)	1,560	1,000	-	-	-	-	1,000	1,000	-	1,000		

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APPENDIX B

CATEGORY	CTT No.	HO #	DESCRIPTION		CITY to 2011	PROBABLE 2012	2013	2014	2015	2016	2017	2015-2017	2015-2022	POST 2022	EFC	FUNDING PROGRAM *	CITY Approval Request
LEGIS	CTT110	6676	AODA Facility Modifications Study	B	-	50	255	-	-	-	-	255	255	-	305		
LEGIS	CTT110			P	-	-	35	270	-	-	-	305	305	-	305		305
	CTT110			C	-	(50)	(220)	270	-	-	-	50	50	-	-		
SGRS	CTT110	6110	Fire Main Replacement	B	230	2,000	5,090	2,770	-	-	-	7,770	7,770	-	10,000		
SGRS	CTT110			P	213	1,187	3,370	5,830	1,700	-	-	10,900	10,900	-	12,300		12,300
	CTT110			C	(17)	(813)	(1,630)	3,060	1,700	-	-	3,130	3,130	-	2,300		
SGRS	CTT110	6115	1900 Yonge Computer Room Relocation	B	100	150	2,100	-	-	-	-	2,100	11,000	-	11,250		
SGRS	CTT110			P	-	-	50	100	-	-	2,200	2,350	11,250	-	11,250		11,250
	CTT110			C	(100)	(150)	(2,050)	100	-	-	2,200	250	250	-	-		
SGRS	CTT110	6149	Retrofit of Carhouse and Shop Traction Power Pendant System - Davisville/Greenwood	B	150	1,150	7,150	8,750	8,800	-	-	20,700	20,700	-	22,000		
SGRS	CTT110			P	98	528	1,189	5,879	7,000	5,770	1,756	21,374	21,374	-	22,000		22,000
	CTT110			C	(52)	(622)	(5,881)	(1,071)	200	5,770	1,756	674	674	-	-		
SGRS	CTT110	6159	Wilson Garage Ventilation Upgrades	B	152	-	-	-	-	-	-	-	-	-	152		
SGRS	CTT110			P	81	71	368	132	-	-	-	500	500	-	652		652
	CTT110			C	(71)	71	368	132	-	-	-	500	500	-	500		
IMPROV	CTT110	6285	Yonge - Bloor Capacity Improvements	B	250	750	-	-	-	-	-	-	-	-	1,000		
IMPROV	CTT110			P	13	487	500	-	-	-	-	500	500	-	1,000		1,000
	CTT110			C	(237)	(263)	500	-	-	-	-	500	500	-	-		
SGRS	CTT110	6051	New Articulated Bus Hoists and Modifications	B	-	478	2,445	2,387	-	-	-	4,842	4,842	-	5,320		
SGRS	CTT110			P	-	478	995	3,132	715	-	-	4,842	4,842	-	5,320		5,320
	CTT110			C	-	-	(1,450)	735	715	-	-	-	-	-	-		
SGRS	CTT110	TBD	Replacement of Halon Protection Systems	B	-	-	-	-	-	-	148	148	2,193	612	2,805		
SGRS	CTT110			P	-	-	-	-	-	-	148	148	2,805	-	2,805		2,805
	CTT110			C	-	-	-	-	-	-	-	-	612	(612)	-		
IMPROV	CTT110	6207	Bus Facility Modifications - Hybrid Buses	B	2,873	-	-	-	-	-	2,215	2,215	2,215	-	5,088	FGT	
IMPROV	CTT110			P	2,560	313	-	-	-	-	2,215	2,215	2,215	-	5,088		5,088
	CTT110			C	(313)	313	-	-	-	-	-	-	-	-	-		
SGRS	CTT110	6395	Victoria Park Bus Terminal Replacement	B	36,213	-	-	-	-	-	-	-	-	-	36,213	PGT	
SGRS	CTT110			P	36,931	(718)	-	-	-	-	-	-	-	-	36,213	ISF <2011	36,213
	CTT110			C	718	(718)	-	-	-	-	-	-	-	-	-		
LEGIS	CTT110	6472	Subway Asbestos Decontamination Facility	B	3,907	-	-	-	-	-	-	-	-	-	3,907	FGT	
LEGIS	CTT110			P	3,889	18	-	-	-	-	-	-	-	-	3,907		3,907
	CTT110			C	(18)	18	-	-	-	-	-	-	-	-	-		
IMPROV	CTT110	6098	Subway Station Public Washroom Improvements	B	1,691	-	-	-	-	-	-	-	-	-	1,691		
IMPROV	CTT110			P	1,469	222	-	-	-	-	-	-	-	-	1,691		1,691
	CTT110			C	(222)	222	-	-	-	-	-	-	-	-	-		
IMPROV	CTT110	6535	Duncan Shop - Steam Jenny and Electrical Upgrade	B	4,291	-	-	-	-	-	-	-	-	-	4,291		
IMPROV	CTT110			P	4,130	161	-	-	-	-	-	-	-	-	4,291		4,291
	CTT110			C	(161)	161	-	-	-	-	-	-	-	-	-		
IMPROV	CTT110	6206	Station Improvements	B	1,047	75	-	-	-	-	-	-	-	1,488	2,608	FGT / PTCT	
IMPROV	CTT110			P	1,039	83	-	-	-	-	-	-	-	-	1,122		1,122
	CTT110			C	(8)	8	-	-	-	-	-	-	-	(1,488)	(1,488)		
SGRS	CTT110	6282	Wheel Trans Facility Renewal	B	9,088	364	-	-	-	-	-	-	4,819	-	14,269	ISF <2011	
SGRS	CTT110			P	8,087	1,843	-	-	-	-	4,339	4,339	4,339	-	14,269	PTCT <2008	14,269
	CTT110			C	(999)	1,479	-	-	-	-	4,339	4,339	(480)	-	-		
EXPAN	CTT110	6334	Yonge North Subway Extension	B	5,305	467	-	-	-	-	-	-	-	-	5,772	YORK 75% TORONTO 25%	5,772
EXPAN	CTT110			P	4,039	913	820	-	-	-	-	820	820	-	5,772		5,772
	CTT110			C	(1,268)	446	820	-	-	-	-	820	820	-	-		
IMPROV	CTT110	6592	Lawrence-Allen Revitalization Project Study	B	302	-	-	-	-	-	-	-	-	-	302		
IMPROV	CTT110			P	183	119	-	-	-	-	-	-	-	-	302		302
	CTT110			C	(119)	119	-	-	-	-	-	-	-	-	-		
SGRS	CTT110	6660	Temporary Bus Storage and Maintenance Facility Study	B	250	-	-	-	-	-	-	-	-	-	250		
SGRS	CTT110			P	164	86	-	-	-	-	-	-	-	-	250		250
	CTT110			C	(88)	86	-	-	-	-	-	-	-	-	-		
			New Projects														
SGRS	CTT110	6650	Collector Booth Security Improvements	B	-	-	-	-	-	-	-	-	-	-	-		
SGRS	CTT110			P	-	1,142	1,483	-	-	-	-	1,483	1,483	-	2,625		2,625
	CTT110			C	-	1,142	1,483	-	-	-	-	1,483	1,483	-	2,625		2,625

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APPENDIX B

Category	CTT No.	INO #	DESCRIPTION	CITY	PROBABLE	2013	2014	2015	2016	2017	2015-2017	2015-2022	POST 2022	EPC	FUNDING PROGRAM	CITY Approval Request
				to 2011	2012											
IMPROV	CTT110	New	Subway End of Line Cleaning	B	-	-	-	-	-	-	-	-	-	-	-	-
IMPROV	CTT110			P	-	-	606	547	547	-	-	1,700	1,700	-	1,700	1,700
	CTT110			C	-	-	606	547	547	-	-	1,700	1,700	-	1,700	1,700
SOGRS	CTT110	New	CNE Streetcar Loop Barrier	B	-	-	-	-	-	-	-	-	-	-	-	-
SOGRS	CTT110			P	-	-	300	2,450	1,050	-	-	3,800	3,800	-	3,800	3,800
	CTT110			C	-	-	300	2,450	1,050	-	-	3,800	3,800	-	3,800	3,800
Sub-Total Buildings & Structures Projects				SB	1,772,710	272,067	371,839	275,241	151,179	101,912	55,633	955,804	1,101,979	1,233,879	4,380,634	
				SP	1,742,923	176,614	260,650	373,191	288,326	198,196	128,432	1,226,994	1,488,842	598,030	4,006,409	
				SC	(29,787)	(95,453)	(110,989)	67,950	115,147	96,283	72,799	271,190	386,894	(635,849)	(374,225)	
VEHICLES																
REVENUE VEHICLES																
4.11 Purchase of Buses																
Existing Projects																
SOGRS	CTT111	6085	Purchase of 85 Replacement 40' LF Clean Diesel Buses or Equiv	B	18,893	31,562	-	-	-	-	-	-	-	50,255		
SOGRS	CTT111			P	17,635	32,098	-	-	-	-	-	-	-	-	49,731	49,731
	CTT111			C	(1,059)	534	-	-	-	-	-	-	-	(524)		
SOGRS	CTT111	6368	Purchase of 120 Replacement 40' LF Diesel Buses or Equivalent (2010)	B	59,777	-	-	-	-	-	-	-	-	59,777	OBRP	59,244
SOGRS	CTT111			P	59,244	-	-	-	-	-	-	-	-	58,244		59,244
	CTT111			C	(533)	-	-	-	-	-	-	-	-	(533)		
SOGRS	CTT111	TBD	Future Purch of Replacement LF Clean Diesel Buses (27 - 60' Artic Buses in 2013, 126 - 80' Artic Buses in 2014, 10 - 40' Buses in 2016 & 65 - 40' Buses in 2017)	B	-	-	339	15,147	43,088	102,241	422	161,237	183,055	-	163,035	
SOGRS	CTT111			P	-	-	25,912	124,080	361	7,406	46,118	203,857	206,053	-	206,053	149,972
	CTT111			C	-	-	25,573	108,613	(42,727)	(94,835)	45,896	42,820	43,018	-	43,018	
Wheel Trans																
SOGRS	CTT045	6556	Purchase of 201 Wheel-Trans Buses	B	42,880	24,694	3,542	-	-	-	-	3,542	3,542	-	70,916	FGT / ORSIF
SOGRS	CTT045			P	35,291	32,425	3,200	-	-	-	-	3,200	3,200	-	70,916	OBRP <2010
	CTT045			C	(7,389)	7,731	(342)	-	-	-	-	(342)	(342)	-	-	
New Projects																
SOGRS	CTT045	New	Purchase of 198 Future Wheel-Trans Buses	B	-	-	-	-	-	-	-	-	-	-	-	
SOGRS	CTT045			P	-	-	-	-	-	-	-	-	112,079	-	112,079	112,079
	CTT045			C	-	-	-	-	-	-	-	-	112,079	-	112,079	
Sub-Total Purchase of Buses				SB	121,150	58,256	3,881	15,147	43,088	102,241	422	164,779	186,577	-	343,853	
				SP	112,170	84,521	29,112	124,080	361	7,406	46,118	207,057	211,332	-	498,023	
				SC	(8,980)	8,265	25,231	108,613	(42,727)	(94,835)	45,896	42,278	154,755	-	154,040	
4.12 Purchase of Subway Cars																
Existing Projects																
SOGRS	CTT046	6231	Purchase of 234 New Subway Cars (H4 & H5 Replacement & Growth)	B	610,779	35,270	-	3,776	-	-	-	3,776	3,776	-	649,825	CSIF/Metrolinx
SOGRS	CTT046			P	589,337	58,712	-	-	3,776	-	-	3,776	3,776	-	649,825	FGT
	CTT046			C	(21,442)	21,442	-	(3,776)	3,776	-	-	-	-	-	-	
SOGRS	CTT046	6002	Replacement of 126 H6 Subway Cars	B	30,204	153,833	100,009	1,224	9,683	-	-	110,916	110,916	-	294,953	Metrolinx/FGT
SOGRS	CTT046			P	26,064	201,363	55,007	1,969	4,122	5,428	-	67,526	67,526	-	294,953	
	CTT046			C	(4,140)	47,530	(45,002)	745	(5,861)	6,428	-	(43,390)	(43,390)	-	-	
Sub-Total Purchase of Subway Cars				SB	640,983	189,103	100,009	5,000	9,683	-	-	114,692	114,692	-	944,778	
				SP	615,401	258,075	55,007	1,969	7,898	6,428	-	71,302	71,302	-	944,778	
				SC	(25,582)	68,972	(45,002)	(3,031)	(1,765)	6,428	-	(43,390)	(43,390)	-	-	
4.13 Bus Overhaul																
Annual Programs																
SOGRS	CTT112	8688	Orion VII Bus Rebuild Program	B	1,689	16,467	33,205	47,282	48,324	47,101	45,985	219,890	303,714	-	321,870	ORSIF/PGAS
SOGRS	CTT112			P	1,054	17,069	33,191	47,329	48,339	47,205	73,466	247,330	247,330	-	445,459	
	CTT112			C	(635)	602	(14)	37	15	104	27,498	27,640	123,822	-	123,889	

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IMPROV	CTT112	6568	Installation of Operator Protection Barriers on TTC Surface	B	7,100	-	-	-	-	-	-	-	-	7,100	PGAS	7,100	
IMPROV	CTT112		Vehicles	P	6,532	568	-	-	-	-	-	-	-	7,100			
	CTT112			C	(568)	568	-	-	-	-	-	-	-	-			
SOGRS	CTT112	6010	Bus Ergonomics	B	2,893	-	-	-	-	-	-	-	-	2,893	PGAS	2,278	
SOGRS	CTT112			P	2,054	222	-	-	-	-	-	-	-	2,278			
SOGRS	CTT112			C	(829)	222	-	-	-	-	-	-	-	(807)			
Sub-Total Bus Overhaul				SB	11,872	16,487	33,205	47,262	46,324	47,101	45,968	219,890	303,714	-	331,653		
				SP	9,840	17,859	33,191	47,329	48,339	47,205	73,466	247,530	427,336	-	454,835		
				SC	(2,032)	1,982	(14)	37	15	104	27,498	27,640	-	122,822			
4.14 SRT Car Overhaul																	
Existing Projects																	
SOGRS	CTT049	6058	SRT Life Extension Overhaul	B	-	4,551	4,743	-	-	-	4,743	4,743	-	9,284		8,741	
SOGRS	CTT049			P	-	2,705	4,216	1,820	-	-	6,036	6,036	-	8,741			
SOGRS	CTT049			C	-	(1,848)	(527)	1,820	-	-	1,293	1,293	-	(653)			
SOGRS	CTT049	6236	20-Year SRT Car Overhaul	B	9,295	-	-	-	-	-	-	-	-	9,295	ORSIF/PGAS	9,295	
SOGRS	CTT049			P	9,188	107	-	-	-	-	-	-	-	9,295			
SOGRS	CTT049			C	(107)	107	-	-	-	-	-	-	-	-			
Sub-Total SRT Car Overhaul				SB	9,295	4,551	4,743	-	-	-	4,743	4,743	-	-	18,589		
				SP	9,188	2,812	4,216	1,820	-	-	6,036	6,036	-	-	18,038		
				SC	(107)	(1,739)	(527)	1,820	-	-	1,293	1,293	-	-	(553)		
4.15 Streetcar Overhaul																	
Existing Projects																	
SOGRS	CTT050	6036	Overhaul of 198 Canadian Light Rail Vehicles (CLRVs)	B	35,500	9,445	8,829	-	-	-	8,829	8,829	-	53,774	ORSIF/PGAS	56,033	
SOGRS	CTT050			P	34,721	10,022	10,306	984	-	-	11,290	11,290	-	56,033			
SOGRS	CTT050			C	(779)	577	1,477	984	-	-	2,461	2,461	-	2,258			
SOGRS	CTT050	TBD	New LRVs Overhaul	B	-	-	-	-	280	-	280	17,134	9,233	28,367		17,134	
SOGRS	CTT050			P	-	-	-	-	-	-	17,134	11,397	28,531				
SOGRS	CTT050			C	-	-	-	-	(280)	-	(280)	-	2,164				
Sub-Total Streetcar Overhaul				SB	35,500	9,445	8,829	-	-	280	-	9,109	25,963	9,233	80,141		
				SP	34,721	10,022	10,306	984	-	-	11,290	28,424	11,397	84,564			
				SC	(779)	577	1,477	984	-	(280)	2,181	2,461	2,164	4,423			
4.16 Subway Car Overhaul																	
Existing Projects																	
SOGRS	CTT051	7339	T1 Subway Cars - 10 Year Overhaul	B	39,886	5,980	-	-	-	-	-	-	-	45,846	ORSIF/PGAS	44,282	
SOGRS	CTT051			P	39,563	4,719	-	-	-	-	-	-	-	44,282			
SOGRS	CTT051			C	(323)	(1,241)	-	-	-	-	-	-	-	(1,584)			
SOGRS	CTT051	6070	T1 Subway Cars - 15 Year Overhaul	B	1,819	10,801	21,395	22,204	22,790	24,217	11,580	102,158	102,158	-	114,576	PGAS	114,278
SOGRS	CTT051			P	310	11,346	22,199	22,204	22,790	24,217	11,293	102,820	102,820	-	114,278		
SOGRS	CTT051			C	(1,509)	745	784	-	-	-	(300)	464	464	-	(300)		
SOGRS	CTT051	TBD	T1 Subway Cars - 20 Year Overhaul	B	-	-	-	-	-	255	3,842	3,897	44,700	6,739	51,439		51,137
SOGRS	CTT051			P	-	-	-	-	-	258	4,713	4,971	51,137	-	51,137		
SOGRS	CTT051			C	-	-	-	-	-	3	1,071	1,074	6,437	(6,739)	(302)		
SOGRS	CTT051	TBD	TR Subway Cars - 6 Year Overhaul	B	-	-	-	-	584	3,873	4,457	21,811	-	21,811		25,066	
SOGRS	CTT051			P	-	-	-	-	1,380	3,970	5,350	26,968	-	25,066			
SOGRS	CTT051			C	-	-	-	-	796	97	893	3,255	-	3,255			
SOGRS	CTT051	TBD	Ridership Growth (10 Trains) Overhaul	B	-	-	-	-	-	-	-	320	2,935	3,255		-	
SOGRS	CTT051			P	-	-	-	-	-	-	-	-	-	-			
SOGRS	CTT051			C	-	-	-	-	-	-	-	(320)	(2,935)	(3,255)			

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					to 2011	2012	2013	2014	2015	2016	2017						
New Projects																	
SGRS	CTT051	New	TR Subway Cars - 12 Year Overhaul	B	-	-	-	-	-	-	-	-	-	-	-	-	
SGRS	CTT051			P	-	-	-	-	-	-	-	960	45,540	48,200		860	
SGRS	CTT051			C	-	-	-	-	-	-	-	960	45,540	48,200			
SGRS	CTT051	New	T1 Subway Cars - 25 Year Overhaul	B	-	-	-	-	-	-	-	-	-	-	-	-	
SGRS	CTT051			P	-	-	-	-	-	-	-	2,300	20,646	22,946	2,300		
SGRS	CTT051			C	-	-	-	-	-	-	-	2,300	20,646	22,946			
Sub-Total Subway Car Overhaul				SB	41,705	16,561	21,395	22,204	22,760	25,058	19,095	110,510	168,987	0,674	236,627		
				SP	39,873	16,085	22,159	22,204	22,760	25,855	19,993	112,941	161,783	66,186	303,907		237,721
				SC	(1,832)	(496)	764	-	-	799	888	2,431	12,796	56,512	66,960		
4.18 Purchase of Streetcars																	
SGRS	CTT122	6437	Purchase of 204 Light Rail Vehicles (LRVs)	B	297,552	118,641	125,042	126,267	118,498	104,061	105,448	577,314	687,310	-	1,081,503	Prov Gov't 1/3	
SGRS	CTT122			P	264,635	136,640	111,153	130,692	133,743	112,119	122,551	610,258	785,228	-	1,188,503	commitment	1,186,503
SGRS	CTT122			C	(32,917)	19,999	(13,889)	4,425	17,245	8,058	17,105	32,944	117,918	-	105,000	PGAS	
Sub-Total Purchase of Streetcars				SB	297,552	118,641	125,042	126,267	118,498	104,061	105,448	577,314	687,310	-	1,081,503		
				SP	264,635	136,640	111,153	130,692	133,743	112,119	122,551	610,258	785,228	-	1,188,503		1,186,503
				SC	(32,917)	19,999	(13,889)	4,425	17,245	8,058	17,105	32,944	117,918	-	105,000		
NON-REVENUE VEHICLES																	
4.21 Purchase Automotive Non-Revenue Vehicles																	
Existing Projects																	
SGRS	CTT052	Various	Purchase Replacement Automotive Non-Revenue Vehicles	B	3,181	8,268	3,251	1,844	4,873	2,883	1,884	14,535	22,071	-	31,520	Debn	
SGRS	CTT052			P	825	5,699	5,539	3,355	4,914	3,001	2,047	18,936	28,355	-	34,871		15,489
SGRS	CTT052			C	(2,356)	(579)	2,358	1,491	241	118	163	4,401	6,285	-	3,351		
SGRS	CTT052	Various	Purchase Additional Automotive Non-Revenue Vehicles	B	2,000	862	-	-	-	-	-	-	-	-	2,882	Debn	
SGRS	CTT052			P	7	2,620	1,435	50	200	-	-	1,685	1,685	-	4,312		4,112
SGRS	CTT052			C	(1,693)	1,738	1,435	50	200	-	-	1,885	1,685	-	1,430		
Sub-Total Purchase Automotive Non-Revenue Vehicles				SB	5,181	7,150	3,251	1,844	4,873	2,883	1,884	14,535	22,071	-	34,402		
				SP	832	8,310	7,074	3,385	5,114	3,001	2,047	20,621	30,041	-	39,183		19,601
				SC	(4,349)	1,160	3,823	1,541	441	118	163	6,096	7,970	-	4,781		
4.22 Rail Non-Revenue Vehicle Overhaul																	
Existing Projects																	
SGRS	CTT053	7744	Workcar Overhaul Program	B	2,735	597	410	420	519	448	458	2,255	4,198	-	7,530	PGAS	
SGRS	CTT053			P	2,091	733	395	420	519	448	458	2,210	4,666	-	7,480		3,809
SGRS	CTT053			C	(644)	138	(45)	-	-	-	-	(45)	468	-	(40)		
SGRS	CTT053	6093	Rebuild ST-1	B	288	700	-	-	-	-	-	-	-	-	988	PGAS	
SGRS	CTT053			P	288	1,100	-	-	-	-	-	-	-	-	1,368		1,368
SGRS	CTT053			C	-	400	-	-	-	-	-	-	-	-	400		
SGRS	CTT053	TBD	Replace H-1 Equipment	B	-	-	480	481	481	483	485	2,410	2,410	-	2,410		
SGRS	CTT053			P	-	10	480	481	481	483	475	2,400	2,400	-	2,410		2,410
SGRS	CTT053			C	-	10	-	-	-	-	(10)	(10)	-	-			
SGRS	CTT053	TBD	Replace H1 Trucks	B	-	-	-	-	-	-	118	118	480	-	480		480
SGRS	CTT053			P	-	-	-	-	-	-	128	128	480	-	480		480
SGRS	CTT053			C	-	-	-	-	-	-	10	10	-	-			
Sub-Total Rail Non-Revenue Vehicle Overhaul				SB	3,003	1,297	890	901	1,000	931	1,061	4,783	7,098	-	11,398		
				SP	2,358	1,843	845	901	1,000	931	1,081	4,738	7,556	-	11,758		7,877
				SC	(644)	546	(45)	-	-	-	-	(45)	458	-	360		

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				to 2011	2012												
4.23 Purchase Rail Non-Revenue Vehicles																	
Existing Projects																	
SOGRS	CTT054	6223	RT-19/20: Replacement of Flatcars with 1,500 lb. Crane	B	3,270	-	-	-	-	-	-	-	-	3,270	FGT	3,270	
SOGRS	CTT054			P	3,166	104	-	-	-	-	-	-	-	3,270			
				C	(104)	104	-	-	-	-	-	-	-	-			
IMPROV	CTT054	6497	Vacuum Workcar	B	2,045	-	-	-	984	-	984	984	-	3,029	FGT	3,029	
IMPROV	CTT054			P	2,028	-	725	276	-	-	1,001	1,001	-	3,028			
				C	(17)	-	725	276	(984)	-	17	17	-	-			
IMPROV	CTT054	8468	DC/AC Inverter Upgrade	B	951	-	-	-	-	-	-	-	-	951	FGT	951	
IMPROV	CTT054			P	846	305	-	-	-	-	-	-	-	951			
				C	(305)	305	-	-	-	-	-	-	-	-			
IMPROV	CTT054	5688	800VDC Air Compressors (7)	B	799	231	-	-	-	-	-	-	-	1,030	FGT	1,030	
IMPROV	CTT054			P	323	707	-	-	-	-	-	-	-	1,030			
				C	(478)	478	-	-	-	-	-	-	-	-			
IMPROV	CTT054	6107	Electric Flatcar - Tunnel Leaks	B	-	954	-	-	-	-	-	-	-	954		954	
IMPROV	CTT054			P	314	550	-	-	-	-	-	-	-	954		954	
				C	314	(314)	-	-	-	-	-	-	-	-			
IMPROV	CTT054	TBD	Geometric/NDT Track Inspection Workcar	B	-	-	-	144	3,798	-	3,842	3,842	-	3,942		3,942	
IMPROV	CTT054			P	-	-	-	-	144	3,798	-	3,842	-	3,942		3,942	
				C	-	-	-	(144)	(3,854)	3,798	-	-	-	-			
IMPROV	CTT054	5598	Electric Combination Flatcars - Structures (3)	B	2,136	430	-	-	-	-	-	-	-	2,566	FGT	2,566	
IMPROV	CTT054			P	1,729	837	-	-	-	-	-	-	-	2,566		2,566	
				C	(407)	407	-	-	-	-	-	-	-	-			
SOGRS	CTT054	TBD	Replace RT 7 Locomotive	B	-	-	-	-	-	471	471	4,711	-	4,711		4,711	
SOGRS	CTT054			P	-	-	-	-	-	471	471	4,711	-	4,711		4,711	
				C	-	-	-	-	-	-	-	-	-	-			
SOGRS	CTT054	6780	Replace RT-43/44 and RT-14/15(Formerly 45/46)	B	-	96	1,171	1,075	-	-	2,246	2,246	-	2,342		2,342	
SOGRS	CTT054			P	-	98	1,171	1,075	-	-	2,246	2,246	-	2,342		2,342	
				C	-	-	-	-	-	-	-	-	-	-			
SOGRS	CTT054	TBD	Replace RT 41 Tie Tamper	B	-	-	-	-	942	4,711	5,653	5,653	-	5,653		5,653	
SOGRS	CTT054			P	-	25	917	2,180	2,531	-	5,628	5,628	-	5,628		5,628	
				C	-	25	917	2,180	2,531	(942)	(4,711)	(25)	-	-			
SOGRS	CTT054	TBD	Replace RT16/RT17 Tunnel Washer	B	-	-	-	-	-	-	-	5,184	-	5,184		5,184	
SOGRS	CTT054			P	-	-	-	-	-	-	-	5,184	-	5,184		5,184	
				C	-	-	-	-	-	-	-	-	-	-			
Sub-Total Purchase Rail Non-Revenue Vehicles				SB	9,201	1,621	1,171	1,219	4,782	942	5,182	13,296	22,720	-	33,542		33,542
				SP	8,206	2,624	2,813	3,531	2,875	3,798	471	13,288	22,712	-	33,542		
				SC	(995)	1,003	1,842	2,312	(2,107)	2,856	(4,711)	(8)	(8)	-	-		
TOOLING, MACHINERY & EQUIPMENT																	
5.1 Shop Equipment																	
Annual Programs																	
Bus Maintenance																	
SOGRS	CTT055	6723	Bus Maintenance Shop Equipment	B	2,503	514	912	1,004	725	1,006	801	4,448	7,852	-	11,069	Depn	6,236
SOGRS	CTT055	6725		P	650	2,330	1,732	1,524	1,119	1,404	1,242	7,021	13,321	-	16,301		
				C	(1,853)	1,416	820	520	394	398	441	2,573	5,669	-	5,232		
Rail Cars & Shops																	
SOGRS	CTT055	6724	Rail Cars & Shops - Shop Equipment	B	2,958	569	1,549	830	987	1,028	1,140	5,534	10,304	-	13,531	Depn	4,577
SOGRS	CTT055	6728		P	2,082	591	1,401	493	593	630	899	3,816	7,491	-	10,174		
				C	(569)	22	(148)	(337)	(394)	(441)	(1,715)	(2,813)	-	(3,357)			
Vehicle Engineering - Rubber Tired Shop Equipment																	
SOGRS	CTT055	Various	Vehicle Engineering - Shop Equipment	B	455	726	476	694	532	612	471	3,085	4,969	-	5,180	Depn	2,998
SOGRS	CTT055			P	11	1,028	802	1,157	518	693	425	3,585	5,970	-	7,009		
				C	(474)	302	326	163	(14)	81	(45)	510	1,001	-	829		

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Category	CTT No.	WG #	DESCRIPTION	CITY	PROBABLE	CITY							2013-2022	POST 2022	EFC	FUNDING PROGRAM *	CITY Approval Request	
						to 2011	2012	2013	2014	2015	2016	2017						2018
Miscellaneous																		
SOGRS	CTT055	6726	Wheel-Trans Shop Equipment	B	186	40	40	40	30	30	30	170	280	-	516	Depn	170	
SOGRS	CTT055			P	50	40	40	40	30	30	30	170	330	-	420			
	CTT055			C	(136)	-	-	-	-	-	-	-	40	-	(96)			
SOGRS	CTT055	6976	Materials Management - Warehouse & Material Handling Equipm	B	1,038	352	34	180	36	208	362	818	1,434	-	3,724	Depn	3,002	
SOGRS	CTT055			P	2,081	647	84	180	36	212	540	1,052	1,745	-	4,483			
	CTT055			C	153	295	50	-	-	8	178	254	311	-	759			
IMPROV	CTT055	6429	Vigil Vanguard Driver Training System	B	392	144	144	-	-	-	-	144	144	-	680	Depn	666	
IMPROV	CTT055			P	378	144	144	-	-	-	-	144	144	-	686			
	CTT055			C	(14)	-	-	-	-	-	-	-	-	-	(14)			
Sub-Total Shop Equipment & Major Tools					SB	5,182	2,745	3,155	3,048	2,310	2,882	2,504	14,198	24,703	-	35,700		
					SP	5,272	4,780	4,203	3,394	2,258	2,969	2,938	15,798	29,001	-	39,053		17,643
					SC	(2,890)	2,035	1,048	348	(14)	87	132	1,596	4,208	-	3,353		
5.2 Revenue & Fare Handling Equipment																		
Existing Projects																		
SOGRS	CTT056	7737	Turnstile Replacement	B	2,680	1,380	1,389	1,422	1,460	1,496	1,648	7,413	15,044	-	19,084	Depn	6,757	
SOGRS	CTT056			P	2,380	1,422	1,454	1,501	1,545	1,586	1,648	7,732	17,585	-	21,988			
	CTT056			C	(300)	62	65	79	85	90	-	316	2,522	-	2,284			
SOGRS	CTT056	6025	Revenue Processing Equipment	B	1,888	20	-	-	-	250	250	500	1,250	-	3,138	Depn	1,844	
SOGRS	CTT056			P	1,124	-	820	-	-	250	250	1,320	2,570	-	3,694			
	CTT056			C	(744)	(20)	820	-	-	-	-	820	1,320	-	558			
SOGRS	CTT056	6164	Token Vending Machine Replacement	B	776	280	-	-	-	-	-	-	-	-	1,058	Depn	542	
SOGRS	CTT056			P	542	-	-	-	-	-	-	-	-	-	542			
	CTT056			C	(234)	(280)	-	-	-	-	-	-	-	-	(514)			
EXPAN	CTT056	6612	Revenue Operations Business Continuity	B	-	600	-	-	-	-	-	-	-	-	600	Depn	600	
EXPAN	CTT056			P	-	-	600	-	-	-	-	-	600	-	600			
	CTT056			C	-	(600)	600	-	-	-	-	-	600	-	-			
SOGRS	CTT056	7576	Vending Machine Project	B	9,240	-	-	-	-	-	-	-	-	-	9,240	Depn	10,375	
SOGRS	CTT056			P	8,612	828	1,135	-	-	-	-	-	1,135	-	10,375			
	CTT056			C	(828)	828	1,135	-	-	-	-	-	1,135	-	1,135			
Sub-Total Revenue & Fare Handling Equipment					SB	14,564	2,280	1,389	1,422	1,460	1,746	1,808	7,513	16,264	-	33,118		
					SP	12,658	2,050	4,096	1,501	1,545	1,636	1,596	10,787	21,871	-	35,570		20,218
					SC	(1,806)	(210)	2,620	79	85	90	-	2,874	5,577	-	3,461		
5.3 Other Maintenance Equipment																		
Annual Programs																		
SOGRS	CTT113	6671	Plant Maintenance Department Equipment	B	1,457	618	526	431	401	420	425	2,203	3,903	-	5,978	Depn	3,753	
SOGRS	CTT113			P	656	1,129	1,087	601	666	695	600	3,819	6,619	-	8,704			
	CTT113			C	(501)	511	541	170	285	265	175	1,416	2,716	-	2,726			
SOGRS	CTT113	T8D	Rail Infrastructure Department Equipment	B	2,283	525	431	431	451	445	445	2,183	3,963	-	6,771	Depn	7,141	
SOGRS	CTT113			P	1,870	757	4,098	408	406	420	429	5,750	7,850	-	10,487			
	CTT113			C	(413)	242	3,667	(25)	(25)	(25)	(25)	3,597	3,597	-	3,716			
Sub-Total Other Maintenance Equipment					SB	3,740	1,143	957	882	832	865	870	4,388	7,866	-	12,749		
					SP	2,828	1,896	5,165	1,007	1,072	1,105	1,020	9,369	14,466	-	19,191		10,894
					SC	(914)	753	4,208	145	240	240	150	4,583	6,603	-	6,442		
5.4 FARE SYSTEM																		
TTC/GTA Farecard																		
EXPAN	CTT141	6385	TTC/GTA Farecard Project	B	7,589	3,552	16,720	26,325	29,170	36,935	19,665	128,815	128,815	-	139,956	C/SIF	46,738	
EXPAN	CTT141			P	5,528	2,552	12,190	14,930	7,520	4,110	-	38,860	38,860	-	48,738	G/TIP 2010>		
	CTT141			C	(2,063)	(1,000)	(4,820)	(11,395)	(21,650)	(32,825)	(19,665)	(90,155)	(90,155)	-	(93,218)			

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POP Legacy																		
SOGRS	CTT141	8388	POP Legacy Fare Collection	B	-	125	2,360	4,470	8,085	9,190	5,785	29,870	29,870	-	29,995			
SOGRS	CTT141			P	-	125	1,230	1,230	1,230	1,185	-	4,875	4,875	-	5,000			5,000
	CTT141			C	-	-	(1,130)	(3,240)	(6,855)	(8,005)	(5,785)	(24,995)	(24,995)	-	(24,995)			
EXPAN	CTT141	6390	POP Legacy Infrastructure	B	191	1,925	3,278	3,881	4,869	1,438	1,471	14,835	15,488	-	17,604			17,604
EXPAN	CTT141			P	161	1,490	2,248	5,468	4,062	2,021	1,501	15,300	15,953	-	17,604			
	CTT141			C	(30)	(435)	(1,030)	1,787	(807)	485	30	465	465	-	-			
Sub-Total Other Maintenance Equipment				SB	7,780	5,602	22,358	34,478	42,124	47,881	26,901	173,520	174,173	-	187,555			
				SP	5,887	4,167	15,578	21,828	12,812	7,318	1,501	58,835	59,488	-	69,342			69,342
				SC	(2,093)	(1,435)	(8,780)	(12,648)	(29,312)	(40,345)	(25,400)	(114,685)	(114,685)	-	(118,213)			
ENVIRONMENTAL ISSUES																		
5.1 Environmental Programs																		
Existing Projects																		
LEGIS	CTT058	6142	Subway Asbestos Removal Program	B	37,881	4,877	4,882	2,524	2,625	2,165	2,228	14,822	24,063	-	66,801	PGAS		48,438
LEGIS	CTT058			P	35,067	5,114	5,147	3,110	2,764	3,015	3,078	17,144	29,681	-	69,862			
	CTT058			C	(2,794)	237	185	586	169	850	852	2,822	5,618	-	3,061			
LEGIS	CTT058		Various Garage Subsurface Remediation Program	B	28,479	7,008	6,380	270	-	-	-	6,650	6,650	-	42,135	PGAS		43,384
LEGIS	CTT058			P	27,281	2,887	1,882	1,748	1,528	1,528	6,456	13,116	13,116	-	43,384			
	CTT058			C	(1,188)	(4,019)	(4,518)	1,478	1,528	1,528	6,456	6,468	6,468	-	1,249			
LEGIS	CTT058	7775	PCB Contaminated Electrical Equipment Elimination	B	4,988	-	-	-	-	-	-	-	-	-	4,988	PGAS		4,988
LEGIS	CTT058			P	4,950	38	-	-	-	-	-	-	-	-	4,988			
	CTT058			C	(38)	38	-	-	-	-	-	-	-	-	-			
LEGIS	CTT058	7236	Storage Tank Replacements	B	14,009	4,924	400	-	-	-	-	400	400	-	19,333	PGAS		19,733
LEGIS	CTT058			P	13,110	4,065	1,978	550	-	-	-	2,528	2,528	-	19,733			
	CTT058			C	(899)	(828)	1,578	550	-	-	-	2,128	2,128	-	400			
Sub-Total Environmental Programs				SB	85,337	16,807	11,762	2,704	2,625	2,165	2,228	21,572	31,113	-	133,257			
				SP	80,408	12,234	8,987	3,408	4,320	4,541	3,534	32,788	45,328	-	137,997			116,543
				SC	(4,829)	(4,573)	(2,775)	2,612	1,885	2,379	7,306	11,216	14,212	-	4,710			
COMPUTER EQUIPMENT & SOFTWARE																		
7.1 CORPORATE SYSTEMS																		
Annual Programs																		
SOGRS	CTT061	6601	IT Infrastructure	B	19,591	5,435	5,386	5,123	8,764	6,393	6,500	30,146	58,815	-	83,841	Depn		35,703
SOGRS	CTT061			P	16,806	8,120	5,854	5,123	6,764	6,393	6,500	30,634	65,760	-	90,506			
	CTT061			C	(2,985)	2,685	488	-	-	-	-	488	6,865	-	8,565			
SOGRS	CTT061	6602	End User Computing	B	12,595	3,000	3,000	3,000	3,000	3,000	3,000	15,000	27,000	-	42,585	Depn		21,585
SOGRS	CTT061			P	11,107	4,478	3,000	3,000	3,000	3,000	3,000	15,000	30,000	-	45,888			
	CTT061			C	(1,478)	1,478	-	-	-	-	-	-	3,000	-	3,000			
SOGRS	CTT061	8608	Network Infrastructure	B	4,580	772	779	665	1,149	936	1,573	5,302	10,651	-	18,003	Depn		7,449
SOGRS	CTT061			P	4,808	797	879	965	1,149	936	1,120	5,049	12,118	-	17,723			
	CTT061			C	228	25	100	100	-	-	(453)	(253)	1,487	-	1,720			
SOGRS	CTT061	6945	CADD Hardware & Software	B	1,526	228	280	255	263	243	300	1,321	2,591	-	4,345	Depn		2,248
SOGRS	CTT061			P	1,498	233	280	255	263	243	300	1,321	2,824	-	4,655			
	CTT061			C	(28)	5	-	-	-	-	-	-	333	-	210			
SOGRS	CTT061	8619	Oracle Replacement (Voice Mail & IVR)	B	250	340	-	-	-	-	-	-	-	-	590	Depn		590
SOGRS	CTT061			P	102	275	210	-	-	-	-	-	210	-	590			
	CTT061			C	(148)	(82)	210	-	-	-	-	-	210	-	-			
SOGRS	CTT061	8085	Account Payable SOGR	B	11,681	-	-	-	-	-	-	-	-	-	11,681	Depn		11,681
SOGRS	CTT061			P	10,922	759	-	-	-	-	-	-	-	-	11,681			
	CTT061			C	(759)	759	-	-	-	-	-	-	-	-	-			
SOGRS	CTT061	6369	Consolidated Business Applications	B	1,681	600	550	550	250	250	250	1,850	3,150	-	5,431	Depn		3,381
SOGRS	CTT061			P	1,251	1,030	730	370	250	250	250	1,850	4,700	-	6,981			
	CTT061			C	(430)	430	180	(180)	-	-	-	-	1,550	-	1,550			

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SGRS	CTT061	6624	Advances Hardware Software	B	501	100	300	300	300	300	300	1,500	2,689	-	3,300	Depn	4,730	
SGRS	CTT061			P	340	390	400	400	400	400	400	2,000	4,600	-	4,730			
SGRS	CTT061			C	(161)	280	100	100	100	100	100	500	1,301	-	1,430			
SGRS	CTT061	7505	Corporate Document Management	B	1,218	900	2,250	3,579	1,000	1,100	-	7,929	7,929	-	10,047	Depn	10,047	
SGRS	CTT061			P	1,080	1,850	2,250	2,163	1,825	879	-	7,117	7,117	-	10,047			
SGRS	CTT061			C	(138)	950	-	(1,418)	925	(221)	-	(812)	(812)	-	-			
SGRS	CTT061	7307	Data Warehouse	B	177	500	500	3,300	1,000	3,600	-	8,400	8,400	-	9,077	Depn	9,154	
SGRS	CTT061			P	77	50	550	3,300	1,577	3,600	-	9,027	9,027	-	9,154			
SGRS	CTT061			C	(100)	(450)	50	-	577	-	-	627	627	-	77			
SGRS	CTT061	6288	MAXIMO Upgrade	B	2,345	895	-	-	-	-	-	-	-	-	-	3,043	Depn	3,040
SGRS	CTT061			P	2,412	828	-	-	-	-	-	-	-	-	-	3,043		
SGRS	CTT061			C	67	(87)	-	-	-	-	-	-	-	-	-	-		
SGRS	CTT061	6404	Bar Coding Upgrade	B	1,000	-	-	-	-	-	-	-	-	-	-	1,000	Depn	1,250
SGRS	CTT061			P	768	482	-	-	-	-	-	-	-	-	-	1,250		
SGRS	CTT061			C	(232)	482	-	-	-	-	-	-	-	-	-	250		
SGRS	CTT061	6182	Security Key Database	B	112	583	-	-	-	-	-	-	-	-	-	705	Depn	705
SGRS	CTT061			P	109	157	439	-	-	-	-	439	439	-	-	705		
SGRS	CTT061			C	(3)	(438)	439	-	-	-	-	439	439	-	-	-		
SGRS	CTT061	6976	Corporate Security Crimes Database	B	28	358	-	-	-	-	-	-	-	-	-	385	Depn	385
SGRS	CTT061			P	28	93	279	-	-	-	-	279	279	-	-	385		
SGRS	CTT061			C	-	(278)	279	-	-	-	-	279	279	-	-	-		
SGRS	CTT061	6312	Operations Computer Infrastructure	B	1,972	968	624	563	568	596	568	2,887	5,299	-	8,237	Depn	4,428	
SGRS	CTT061			P	1,421	1,628	701	778	663	1,040	568	3,770	7,280	-	10,229			
SGRS	CTT061			C	(551)	562	77	215	117	474	-	883	1,981	-	1,992			
SGRS	CTT061	6532	Work Car Utilization (Track & Structures)	B	400	-	-	-	-	-	-	-	-	-	-	400	Depn	400
SGRS	CTT061			P	-	158	242	-	-	-	-	242	242	-	-	400		
SGRS	CTT061			C	(400)	158	242	-	-	-	-	242	242	-	-	-		
SGRS	CTT061	TBD	7.1 Legacy System Life Cycle Review/Replacements	B	-	1,000	1,000	400	-	2,000	-	3,400	3,400	-	4,400	Depn	900	
SGRS	CTT061			P	-	-	-	800	-	2,000	2,240	5,140	5,140	-	5,140			
SGRS	CTT061			C	-	(1,000)	(1,000)	500	-	-	2,240	1,740	1,740	-	740			
SGRS	CTT061	6470	ERP - System Replacement	B	100	400	-	-	-	-	-	-	15,000	20,000	35,500	Depn	36,000	
SGRS	CTT061			P	-	400	600	2,000	5,000	5,000	5,000	17,600	35,600	-	36,000			
SGRS	CTT061			C	(100)	-	800	2,000	5,000	5,000	5,000	17,600	20,600	(20,000)	500			
SGRS	CTT061	6489	7.1 Future IT Application Requirements	B	-	-	-	-	-	-	2,240	2,240	12,240	-	12,240	Depn	10,000	
SGRS	CTT061			P	-	-	-	-	-	-	-	-	10,000	-	10,000			
SGRS	CTT061			C	-	-	-	-	-	-	(2,240)	(2,240)	(2,240)	-	(2,240)			
Sub-Total Corporate Systems				SB	58,745	15,888	14,829	17,935	14,292	18,588	14,731	79,975	157,274	20,000	252,907			
				SP	52,527	21,418	19,394	19,254	20,911	23,741	19,378	99,678	194,656	-	268,801		183,674	
				SC	(7,218)	5,530	1,765	1,319	6,919	5,353	4,647	19,703	37,582	(20,000)	15,894			
7.2 INTELLIGENT TRANSPORTATION & TECHNICAL SYSTEMS																		
Existing Projects																		
SGRS	CTT125	8885	CIS - State of Good Repair	B	30,479	3,200	1,421	-	-	-	-	1,421	1,421	-	35,100	PGT 2010-	35,100	
SGRS	CTT125			P	29,412	3,200	2,488	-	-	-	-	2,488	2,488	-	35,100	TS <2009		
SGRS	CTT125			C	(1,067)	-	1,067	-	-	-	-	1,067	1,067	-	-			
SGRS	CTT125	8953	Vehicle Work Order Systems Replacement	B	24,750	4,000	1,548	-	-	-	-	1,548	1,849	-	30,298	Depn	30,298	
SGRS	CTT125			P	24,863	3,060	2,060	316	-	-	-	2,376	2,376	-	30,298			
SGRS	CTT125			C	113	(840)	511	316	-	-	-	827	827	-	-			
SGRS	CTT125	8594	Inventory Replacement	B	13,649	-	-	-	-	-	-	-	-	-	-	13,649	Depn	13,649
SGRS	CTT125			P	13,358	50	241	-	-	-	-	241	241	-	-	13,649		
SGRS	CTT125			C	(291)	50	241	-	-	-	-	241	241	-	-	-		
SGRS	CTT125	8057	Purchasing Module Replacement	B	14,315	500	-	-	-	-	-	-	-	-	-	14,815	Depn	14,815
SGRS	CTT125			P	12,887	1,300	628	-	-	-	-	628	628	-	-	14,815		
SGRS	CTT125			C	(1,428)	800	628	-	-	-	-	628	628	-	-	-		
SGRS	CTT125	8177	Safety Database Consolidation	B	800	260	400	-	-	-	-	400	900	-	1,960	Depn	1,960	
SGRS	CTT125			P	653	142	114	551	-	-	-	865	1,165	-	1,960			
SGRS	CTT125			C	(147)	(118)	(286)	551	-	-	-	265	265	-	-	-		

**CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE COMMISSION SEPTEMBER 27, 2012**

**TORONTO TRANSIT COMMISSION 2013-2022 CAPITAL BUDGET
PROGRAM AND PROJECT DETAILED LISTING
(\$'000's)**

APPENDIX B

Category	CTT No.	WO #	DESCRIPTION		CITY to 2011	PROBABLE 2012	2013	2014	2015	2016	2017	2013-2017	2013-2022	POST 2022	EPC	FUNDING PROGRAM *	CITY Approval Request
SOGRS	CTT125	6180	CBT Course Delivery and Development	B	1,601	425	604	370	-	-	-	974	1,474	-	3,500	Depn	3,500
SOGRS	CTT125			P	1,475	451	304	770	-	-	-	1,074	1,574	-	3,500		
	CTT125			C	(128)	28	(300)	400	-	-	-	100	100	-	-		
IMPROV	CTT125	6313	Next Vehicle Arrival System	B	7,194	783	-	-	-	-	-	-	-	-	7,977	Depn	9,477
IMPROV	CTT125			P	5,052	1,598	1,599	240	-	-	-	1,839	1,839	-	9,477		
	CTT125			C	(1,142)	503	1,599	240	-	-	-	1,839	1,839	-	1,500		
SOGRS	CTT125	6614	7.2 Legacy System Life Cycle Review/Replacements	B	-	2,000	2,500	4,834	3,000	6,000	-	16,134	17,134	-	19,134	Depn	21,434
SOGRS	CTT125			P	-	-	-	4,834	3,000	10,800	2,000	20,434	21,434	-	21,434		
	CTT125			C	-	(2,000)	(2,500)	-	-	4,800	2,000	4,300	4,300	-	2,300		
SOGRS	CTT125	6015	Enterprise Geospatial Information - Phase 2	B	848	202	-	-	-	-	-	-	-	-	1,050	Depn	1,050
SOGRS	CTT125			P	493	557	-	-	-	-	-	-	-	-	1,050		
	CTT125			C	(355)	355	-	-	-	-	-	-	-	-	-		
SOGRS	CTT125	6021	Automated Customer Notification Phase 2	B	1,049	-	-	-	-	-	-	-	-	-	1,049	Depn	1,049
SOGRS	CTT125			P	758	291	-	-	-	-	-	-	-	-	1,049		
	CTT125			C	(291)	291	-	-	-	-	-	-	-	-	-		
SOGRS	CTT125	6626	RSEM Software	B	350	350	-	-	-	-	-	-	-	-	700	Depn	700
SOGRS	CTT125			P	-	158	542	-	-	-	-	542	542	-	700		
	CTT125			C	(350)	(192)	542	-	-	-	-	542	542	-	-		
IMPROV	CTT125	6642	IBCS Narrowcasting	B	-	-	100	-	-	-	-	-	500	-	500	Depn	500
IMPROV	CTT125			P	-	-	100	-	-	-	-	100	500	-	500		
	CTT125			C	-	-	100	-	-	-	-	100	-	-	-		
SOGRS	CTT125	TBD	Wheel-Trans Integration of AVL with GIRO Acces and IVR Syst	B	-	4,534	760	-	-	-	-	760	760	-	5,294	Depn	5,294
SOGRS	CTT125		(Transferred from 4.11 Purchase of 201 Wheel-Trans Buses)	P	-	4,534	760	-	-	-	-	760	760	-	5,294		
	CTT125			C	-	-	-	-	-	-	-	-	-	-	-		
SOGRS	CTT125	TBD	7.2 Future IT Application Requirements	B	-	-	-	-	-	-	4,800	4,800	24,213	-	24,213	Depn	24,413
SOGRS	CTT125			P	-	-	-	-	-	-	-	-	24,413	-	24,413		
	CTT125			C	-	-	-	-	-	-	(4,800)	(4,800)	200	-	200		
			New Projects														
SOGRS	CTT125	New	PVM KM4 Upgrade	B	-	-	-	-	-	-	-	-	-	-	-	Depn	400
SOGRS	CTT125			P	-	-	400	-	-	-	-	400	400	-	400		
	CTT125			C	-	-	400	-	-	-	-	400	400	-	400		
Sub-Total Intelligent Transportation and Technical Systems				SB	95,035	16,254	7,234	5,004	3,000	8,000	4,800	26,038	47,551	-	159,240		
				SP	89,951	15,329	9,236	6,511	3,000	10,800	2,000	31,547	58,360	-	163,640		163,640
				SC	(5,084)	(925)	2,002	1,507	-	4,800	(2,800)	5,509	10,408	-	4,400		
OTHER																	
9.1 Furniture & Office Equipment																	
Annual Programs																	
SOGRS	CTT062	6979	Graphic Services Equipment Replacement	B	1,166	915	210	163	552	93	341	1,359	3,019	-	5,100	Depn	2,359
SOGRS	CTT062			P	1,071	915	210	163	552	93	341	1,359	3,092	-	5,078		
	CTT062			C	(95)	-	-	-	-	-	-	-	73	-	(22)		
SOGRS	CTT062	6946	Furniture & Office Equipment	B	842	102	104	107	109	112	118	548	1,046	-	1,790	Depn	845
SOGRS	CTT062			P	541	93	104	107	109	112	118	548	1,180	-	1,814		
	CTT062			C	(101)	(9)	-	-	-	-	-	-	134	-	24		
SOGRS	CTT062	6649	Purchase of Replacement enveloping/inserting Machine for Pay Statements	B	130	-	-	-	-	-	-	-	-	-	130	Depn	130
SOGRS	CTT062			P	-	130	-	-	-	-	-	-	-	-	130		
	CTT062			C	(130)	130	-	-	-	-	-	-	-	-	-		
Sub-Total Other - Furniture & Office Equipment				SB	1,938	1,017	314	270	661	205	457	1,907	4,065	-	7,020		
				SP	1,612	1,138	314	270	661	205	457	1,907	4,272	-	7,022		3,334
				SC	(328)	121	-	-	-	-	-	-	207	-	2		

**CAPITAL BUDGET SUBMISSION
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**TORONTO TRANSIT COMMISSION 2013-2022 CAPITAL BUDGET
PROGRAM AND PROJECT DETAILED LISTING
(\$000's)**

APPENDIX B

Category	CTT No.	WO #	DESCRIPTION	CITY	PROBABLE							2013-2017	2013-2022	POST 2022	EPC	FUNDING PROGRAM*	CITY Approval Request
					2011	2012	2013	2014	2015	2016	2017						
OTHER																	
9.2 Service Planning																	
Annual Programs																	
IMPROV	CTT063	8391	Transit Priorities	B	3,893	-	2,035	2,035	2,035	2,035	2,035	10,175	20,350	-	24,243	PGAS	7,963
IMPROV	CTT063			P	1,636	2,257	2,035	2,035	2,035	2,035	2,035	10,175	20,350	-	24,243		
	CTT063			C	(2,257)	2,257	-	-	-	-	-	-	-	-	-		
Existing Projects																	
IMPROV	CTT063	7551	Automatic Passenger Counting (APC) Implementation Program	B	2,836	1,024	1,030	-	-	-	-	1,030	1,030	-	4,890	PGAS	4,890
IMPROV	CTT063			P	1,783	2,032	1,075	-	-	-	-	1,075	1,075	-	4,890		
	CTT063			C	(1,052)	1,008	45	-	-	-	-	45	45	-	-		
IMPROV	CTT063	6382	Construct BRT Lines on the Avenues - Environmental	B	771	388	388	388	388	388	-	1,562	1,562	-	2,711	PGAS	2,711
IMPROV	CTT063			P	310	-	600	600	600	601	-	2,401	2,401	-	2,711		
	CTT063			C	(461)	(388)	212	212	212	213	-	849	849	-	-		
Sub-Total Other - Service Planning				SB	7,500	1,412	3,453	2,423	2,423	2,423	2,035	12,757	22,932	-	31,844		
				SP	3,729	4,289	3,710	2,635	2,635	2,636	2,035	13,651	23,828	-	31,844		15,564
				SC	(3,771)	2,877	257	212	212	213	-	894	894	-	-		
TOTAL - BASE CAPITAL PROGRAM					4,423,673	1,079,777	1,041,288	814,890	686,323	701,939	607,288	3,761,729	6,194,062	1,468,117	12,185,829		
					4,198,279	1,034,268	878,820	1,060,287	796,739	746,085	697,243	4,178,144	6,436,228	811,609	12,479,372		9,612,825
					(225,394)	(45,519)	(162,469)	246,367	100,416	43,146	189,955	416,415	1,241,164	(666,508)	313,743		
COMPL		Various	Completed Project Items - details available from Finance Capital Accounting	CB	934,723	-	-	-	-	-	-	-	-	-	934,723		931,380
COMPL				CP	931,380	-	-	-	-	-	-	-	-	-	931,380		
				CC	(3,343)	-	-	-	-	-	-	-	-	-	(3,343)		
TOTAL - BASE CAPITAL PROGRAM					5,358,396	1,079,777	1,041,288	814,890	686,323	701,939	607,288	3,761,729	6,194,062	1,468,117	13,100,352		
					5,129,659	1,034,268	878,820	1,060,287	796,739	746,085	697,243	4,178,144	6,436,228	811,609	13,410,752		10,543,805
					(228,737)	(45,519)	(162,469)	246,367	100,416	43,146	189,955	416,415	1,241,164	(666,508)	310,400		

* Funding programs noted for project items are subject to change. They reflect program involvement but do not necessarily represent full funding by source nor ongoing involvement. Base Capital Program currently excludes amendments for 24 additional buses and bus storage facility which need to be addressed.

**CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE COMMISSION SEPTEMBER 27, 2012**

**TORONTO TRANSIT COMMISSION 2013-2022 CAPITAL BUDGET
PROGRAM AND PROJECT DETAILED LISTING
(\$'000's)**

APPENDIX B

Category	CTT No.	WO #	DESCRIPTION	CITY to 2011	PROBABLE 2012	2013	2014	2015	2016	2017	2018	2019	2020-2021	2022-2023	POST 2023	EPC	FUNDING PROGRAM	CITY Approval Request
TORONTO YORK SPADINA SUBWAY EXTENSION - TO VAUGHAN CORPORATE CENTRE																		
	CTT134	568X	Toronto York Spadina Subway Extension	B	871,280	685,463	622,883	330,672	323,893	-	-	-	1,277,428	1,277,428	-	2,834,171	MO TruSt/BCF	
	CTT134			P	575,763	604,719	660,548	447,817	345,324	-	-	-	1,453,689	1,453,689	-	2,834,171		2,834,171
	CTT134			C	(95,517)	(80,744)	37,665	117,145	21,431	-	-	-	176,261	176,261	-	-		
			Sub-Total Spadina Subway Extension to VCC	SB	871,280	685,463	622,883	330,672	323,893	-	-	-	1,277,428	1,277,428	-	2,834,171		
				SP	575,763	604,719	660,548	447,817	345,324	-	-	-	1,453,689	1,453,689	-	2,834,171		
				SC	(95,517)	(80,744)	37,665	117,145	21,431	-	-	-	176,261	176,261	-	-		
			TOTAL TTC - BASE CAPITAL PROGRAM & TYSSE		6,029,676	1,765,240	1,664,162	1,145,662	1,020,216	701,539	607,288	5,039,167	6,471,490	1,468,117	16,734,923			
					8,705,422	1,638,977	1,539,388	1,808,074	1,142,063	746,086	697,243	5,631,833	7,388,915	811,609	16,044,923			13,178,076
					(324,254)	(126,263)	(124,784)	362,512	121,847	43,146	189,955	592,676	1,417,425	(656,608)	310,400			
WATERFRONT INITIATIVES COORDINATED BY TORONTO WATERFRONT REVITALIZATION CORPORATION																		
	563X		Union Station New Platform		38,761	57,354	26,805	16,530	-	-	-	43,335	43,335	-	139,450	WT		
					43,367	39,000	28,000	27,000	3,083	-	-	58,083	58,083	-	139,450			
					4,806	(19,354)	1,195	10,470	3,083	-	-	14,748	14,748	-	-			
	542X		Environmental Assessment - East Bayfront Streetcar and Station Expansion		1,042	-	-	-	-	-	-	-	-	-	1,042	WT		
					1,042	-	-	-	-	-	-	-	-	-	1,042			
					-	-	-	-	-	-	-	-	-	-	-			
	543X		East Bayfront Streetcar and Station Expansion		4,002	4,041	9,824	57,217	75,579	89,066	22,984	254,770	254,770	-	282,813	WT		
					3,844	283	-	-	-	-	-	-	-	290,093	294,000			
					(958)	(3,778)	(9,824)	(57,217)	(75,579)	(89,066)	(22,984)	(254,770)	(254,770)	290,093	31,187			
	TBD		Purchase 6 Additional LRT Cars - East Bayfront Streetcar Line		-	1,360	3,120	-	-	31,520	-	34,640	34,640	-	36,000	WT		
					-	1,360	3,120	-	-	31,520	-	36,000	36,000	-	36,000			
					-	(1,360)	(1,760)	3,120	-	(31,520)	31,520	1,360	1,360	-	-			
	541X		West Don Lands Streetcars		1,045	150	3,729	-	-	-	-	3,729	3,729	-	4,824	WT		
					1,081	1,979	1,593	1,112	-	-	-	2,705	2,705	-	5,745			
					16	1,829	(2,136)	1,112	-	-	-	(1,024)	(1,024)	-	821			
	TBD		Purchase 5 Additional LRT Cars - West Donlands Streetcar Line		-	1,133	2,600	-	26,267	-	28,867	28,867	-	30,000	30,000	WT		
					-	1,133	2,600	-	26,267	-	30,000	30,000	-	30,000	30,000			
					-	(1,133)	(1,467)	2,600	(26,267)	26,267	-	1,133	1,133	-	-			
	TBD		Purchase 4 Additional LRT Cars - Bremner Blvd Streetcar Line		-	908	2,080	-	-	-	21,014	23,094	23,094	-	24,000	WT		
					-	908	2,080	-	-	-	21,014	23,094	23,094	-	24,000			
					-	(908)	(1,174)	2,080	-	-	(21,014)	(20,106)	908	-	-			
	TBD		Port Lands Streetcar Expansion		-	-	-	-	-	-	-	-	-	188,145	188,145	WT		
					-	-	-	-	-	-	-	-	-	188,145	188,145			
					-	-	-	-	-	-	-	-	-	-	-			
			Total Waterfront Initiatives		44,850	64,944	48,258	73,747	101,846	120,596	43,998	388,435	398,435	188,145	896,374			
					49,114	40,242	32,992	35,912	3,083	26,287	31,520	129,774	150,788	478,238	718,382			
					4,284	(24,702)	(15,265)	(37,835)	(98,763)	(94,319)	(12,478)	(268,861)	(237,647)	290,093	32,008			

TTC 2013-2017 CAPITAL PROGRAM REQUIREMENTS & SOURCES OF FUNDING							Assumptions: Expenditures based on proposed 2013-2022 Capital Program - Updated Blue Pages Version re Commission Meeting September 27, 2012.								
<u>Based on TTC 2013-2022 Gross Budget - Final Submissions September 7, 2012</u>															
\$ millions	2012	2013	2014	2015	2016	2017	2012-2016	2013-2017	2018	2019	2020	2021	2022	2012-2021	2013-2022
PROPOSED BUDGET															
Council Approved 2012-2021 Gross Budget - Jan 17/12	1,080	1,041	815	696	702	507	4,334	3,762	431	330	317	355	-	6,274	5,194
Preliminary Request 2013-2022 Gross Budget - September 7, 2012	1,034	879	1,060	797	745	697	4,515	4,178	577	522	421	336	401	7,088	6,435
CHANGE FROM APPROVED	(48)	(162)	245	100	43	190	181	416	147	192	104	(19)	401	795	1,241
Note: decision made August 30th to remove \$125,259 million from the 2022 approved project budget amounts and to push them to post-2022, resulting in an increased variance of the proposed from the approved 2013-2022 capital budget															
PROPOSED CURRENT BUDGET REQUEST															
State-of-Good-Repair / Safety	956	798	960	720	698	620	4,100	3,765	616	475	378	301	355	6,389	5,789
Legislative	31	33	53	44	53	63	214	245	56	44	40	33	43	448	459
Improvement	29	27	10	8	10	6	84	61	3	3	3	3	3	103	76
Capacity Enhancement	8	6	17	13	8	7	52	51	2	-	-	-	-	60	53
Expansion	10	17	20	12	6	2	65	56	2	-	-	-	-	69	59
Vehicles	519	276	337	220	207	266	1,558	1,305	201	174	101	35	64	2,336	1,882
Infrastructure / Other	515	603	723	577	538	432	2,957	2,873	376	348	319	301	337	4,732	4,553
Total Gross Base Capital Program Request	1,034	879	1,060	797	745	697	4,515	4,178	577	522	421	336	401	7,088	6,435
Proposed Capital Program Budget	1,034	879	1,060	797	745	697	4,515	4,178	577	522	421	336	401	7,088	6,435
Funding Sources															
Ontario Rolling Stock Infrastructure Funding ³	14	-	-	-	-	-	14	-	-	-	-	-	-	14	-
Golden Horseshoe Transit Investment Partnerships (GTIP/TTIP) ³	3	-	-	-	-	-	3	-	-	-	-	-	-	3	-
Provincial gas tax ⁴	75	71	71	71	71	71	357	353	71	71	71	71	71	711	706
Canada Strategic Infrastructure Fund (CSIF) ⁵	10	17	-	-	-	-	28	17	-	-	-	-	-	28	17
Capital Reserve ⁶	-	-	58	-	-	-	58	58	-	-	-	-	-	58	58
Metroinx Quick Wins ⁷	148	37	43	14	2	-	244	97	-	-	-	-	-	244	97
204 LRV Funding ⁸	46	37	44	45	37	41	208	203	37	21	-	-	-	307	262
Total Provincial Funding	296	162	215	129	110	111	913	728	108	92	71	71	71	1,355	1,140
Base Federal Gas Tax - 5 cent (population) ⁹	154	154	154	154	154	154	772	772	154	154	154	154	154	1,544	1,544
Canada Strategic Infrastructure Fund (CSIF) ⁵	18	1	-	-	-	-	19	1	-	-	-	-	-	19	1
Infrastructure Stimulus Funding (ISF) ¹⁰	0	-	-	-	-	-	0	-	-	-	-	-	-	0	-
Total Federal Funding	173	155	154	154	154	154	791	773	154	154	154	154	154	1,563	1,544
TTC Internal (depreciation) ¹¹	28	31	32	32	29	23	151	147	24	27	28	28	28	282	282
Other Reserves / Funding Partners	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development charges ¹²	23	15	18	9	10	11	75	63	5	-	-	-	-	91	68
Total Other Funding	51	46	50	41	39	34	226	210	29	27	28	28	28	373	349
City Debt Target - CFO Recommended	353	417	390	280	282	205	1,721	1,674	148	82	65	108	120	2,328	2,095
City Carryforward - Deferred Debt Issued ¹³	189	80	-	-	-	-	249	80	-	-	-	-	-	249	80
Sub-Total City / Other Funding	593	522	440	321	321	240	2,197	1,844	177	110	92	134	148	2,950	2,505
City Funding - Reserve Funds (Asset Monetization) ¹⁴	45	80	210	180	125	80	620	655	-	-	-	-	-	700	655
Total City / Other Funding	638	592	650	501	446	320	2,817	2,499	177	110	92	134	148	3,650	3,160
Total Funding	1,107	900	1,020	784	710	596	4,621	4,000	439	356	317	359	373	5,878	5,844
Funding Shortfall/(Surplus)	(72)	(21)	41	12	35	112	(6)	178	138	166	103	(22)	28	491	691
Projected Shortfall - Updated September 12, 2012							(6)	178						491	591
Pending Amendments:															
Project Changes / New Project Additions:															
Additional Buses for Service Growth - 24 buses in 2016					16.0	0.1	16.0	16.1						16.1	16.1
Temporary Bus Storage Facility						80.0		80.0						80.0	80.0
Sub-total Project Expenditure Amendments					16.0	80.1	16.0	96.1						96.1	96.1
Funding changes:															
City Debt impact Only - to be confirmed						0.0		0.0						0.0	0.0
Sub-total Funding Amendments						0.0		0.0						0.0	0.0
Net Change - Further Shortfall					16.0	80.1	16.0	96.1						96.1	96.1
Updated Shortfall Projection - September 27, 2012								276						687	688

GROSS EXPENDITURES

FUNDING SOURCES

2012-2021 CAPITAL PROGRAM

SHORTFALL REDUCTION PLAN

• 60 TR Subway Cars – deleted	\$161 Million
• Wilson Yard – deferred	182 Million
• ATC BD – deferred	150 Million
• Buses – reduce 134	50 Million
• Temporary Bus Storage Capacity – delete	23 Million
• 204 LRV order – reduce 15	71 Million
• Fire Ventilation – deferred work	39 Million
• On-Grade Paving – defer work	50 Million
• Collector Booth Renewal – delete mods	8 Million
• Other	<u>(9 Million)</u>
	<u>\$725 Million</u>

→ Remaining shortfall of \$807 million in September



**TORONTO TRANSIT COMMISSION 2013-2022 CAPITAL BUDGET
UNFUNDED PROJECTS - EXPANSION AND OTHER**

APPENDIX E

(\$000's)

DESCRIPTION	2013	2014	2015	2016	2017	2013-2017	2013-2022	POST 2022	EFC
AODA									
AODA Requirements - TTC Buses	250	250	250	-	-	750	750	-	750
AODA Requirements - Streetcars	-	2,794	410	410	410	4,024	6,074	3,279	9,353
AODA Requirements - Subway Cars	-	-	-	-	142	142	426	-	426
AODA Built Environment Standard Requirements	-	-	2,040	2,720	14,360	19,120	148,100	851,900	1,000,000
Other									
Eglinton Bus Terminal Replacement	100	100	-	-	-	200	200	57,770	57,970
University Subway Stations Renaissance BTL	225	525	3,800	6,510	2,700	13,760	13,760	-	13,760
Station Modernization Program BTL	4,871	10,866	14,704	19,100	17,534	67,075	98,276	-	98,276
Transit Shelters & Loops - BTL	583	583	583	583	583	2,915	5,247	-	5,247
Commuter Parking Expansion RGS - Kipling and Islington Parking BTL	5,069	3,209	-	-	-	8,278	8,278	-	8,278
New Shelters for Streetcar Islands	128	3,062	10,401	41	933	14,565	24,339	-	24,339
Platform Edge Doors - Bloor Danforth Line - BTL	-	-	-	-	-	-	-	613,529	613,529
Platform Edge Doors - YUS Line - BTL	-	-	-	-	-	-	-	550,000	550,000
Park Lawn Loop	15,000	-	-	-	-	15,000	15,000	-	15,000
Station Signage Upgrades	400	1,450	2,200	1,200	-	5,250	5,250	-	5,250
Sound Barrier Wall at Eglinton/Allen - BTL	385	1,067	-	-	-	1,452	1,452	-	1,452
Lighting in Open Cut - Subway Right of Way - BTL	-	265	2,000	2,950	3,335	8,550	12,250	-	12,250
Bremner Streetcar Expansion BTL	-	-	-	-	-	-	-	238,695	238,695
Purchase 4 Additional LRT Cars - Bremner Blvd Streetcar Line	906	2,080	-	-	-	2,986	24,000	-	24,000
Islington Station Improvements - BTL	-	-	-	-	-	-	59,525	-	59,525
Warden (Phase 1 & 2) - BTL	1,350	2,538	2,538	-	-	6,426	6,426	48,756	55,182
Secure Bicycle Parking	294	309	319	330	345	1,597	6,823	-	6,823
McNicoll New Bus Garage	300	20,000	45,000	44,000	10,700	120,000	120,000	-	120,000
McBrien Building Renovations - BTL	-	4,000	5,430	8,005	8,005	25,440	33,445	-	33,445
Bar Coding Upgrade Phase II	1,000	1,000	221	-	-	2,221	2,221	-	2,221
Handheld Device Technology Implementation	250	250	-	-	-	500	500	-	500
CIS SOGR (Phase II)	2,000	4,200	3,800	-	-	10,000	70,000	40,000	110,000
Next Vehicle Arrival System (Phase 2)	-	2,025	2,025	2,025	2,973	9,048	9,048	-	9,048
Fire Ventilation Upgrade - BTL	-	-	-	-	-	-	-	1,492,879	1,492,879
Bus Expansion									
Finch Bus Service Improvements	6,641	20,687	24,665	9,561	-	61,554	61,554	-	61,554
Bus Network Plan Improvements	192	1,036	1,663	1,462	1,072	5,425	7,960	-	7,960
Bus Rapid Transit (BRT) - Yonge Street from Finch Station to Steeles Avenue - BTL	107	107	2,721	9,325	11,661	23,921	25,639	-	25,639
Subway Capacity									
Yonge - Bloor Capacity Improvements - BTL	513	14,863	15,375	52,378	52,378	135,507	205,003	-	205,003
Downtown Relief Line Study - TPAP Studies	3,500	1,500	-	-	-	5,000	5,000	-	5,000
Subway Extension									
Yonge North Subway Extension - BTL	5,778	36,487	121,568	462,609	616,198	1,242,640	4,207,506	-	4,207,506
<i>Total - Unfunded Projects</i>	<i>49,842</i>	<i>135,253</i>	<i>261,713</i>	<i>623,209</i>	<i>743,329</i>	<i>1,813,346</i>	<i>5,184,052</i>	<i>3,896,808</i>	<i>9,080,860</i>