TORONTO TRANSIT COMMISSION REPORT NO.

MEETING DATE: February 2, 2015

SUBJECT: 2015-2024 TTC Capital Budget

ACTION ITEM

RECOMMENDATION

It is recommended that the Board:

- Approve the 2015-2024 TTC Capital Budget (including the Toronto-York Spadina Subway Extension and Scarborough Subway Extension) as summarized in Appendix A and detailed in this report and contained in Appendix B (the Blue Pages); noting that there are \$2.4 billion of Unfunded Projects as shown on Appendix D;
- 2. Forward this report to the City of Toronto for submission to the City's budget process;
- 3. Forward this report to the Metrolinx Board; and,
- 4. Forward this report to the Ontario Minister of Transportation and to the Federal Minister of Transportation.

COMPANION REPORT

This report should be considered in concert with the companion report on the "2015 TTC and Wheel-Trans Operating Budgets".

BUDGET HIGHLIGHTS

- 10-year capital needs for the base system are pegged at almost \$9.3 billion
- Funding from known services (city debt, other city sources, Federal and Provincial Gas Taxes and other programs) amounts to about \$6.9 billion, leaving the unfunded list of needed capital projects at about \$2.4 billion.
- These needs will not go away. Decisions are required as set out in Exhibit 6 and Appendix D.
- Most of the projects on the unfunded list are precisely the type that has received very significant Provincial or Federal government capital support in the past. The project-specific upper-level government funding that has been provided in the past either has been or are nearly completed. A refreshing of

these types of programs (listing in Exhibit 2) is needed by the dates shown in order to adequately fund the needs of the existing system.

- The City of Toronto has worked with TTC staff to try to fund most of the \$9.3 billion 2015-2024 TTC Capital Budget.
- Sources of operating subsidy for major expansion projects must also be found to ensure financial stability of the system as the lines open in the future.
- The Toronto-York Spadina Subway Extension is facing serious schedule and budget challenges and efforts are underway to assess these challenges.
- Work is underway to replace the ageing Scarborough RT with the Scarborough Subway Extension.

FUNDING

The order of magnitude for the ten year Capital Budget request is about the same. Exhibit 1 below is a budget comparison of last year's ten year budget submission to this year's request. The City has increased funding to help reduce the shortfall that the Commission is facing.

All known or expected current funding sources have been incorporated into this ten-year capital plan for the TTC (including an increase in debt funding of \$508 million above the originally established debt target as well as an increase in Development Charge funding of \$139 million). Appendix E summarizes the funding sources available over the next decade and compares them to the base capital needs of the system required to keep the existing system in a state-of-good-repair.

Exhibit 1

10 - Year Capita	al Budget Compai	rison
Base	Programs	
()	\$Billions)	
	2014 - 2023	2015 - 2024
	<u>Approved</u>	<u>Request</u>
Budget	9.0	9.3
Funding Available	<u>6.5</u>	<u>6.9</u>
Chartfall //Complete		
Shortfall/(Surplus)	2.5	2.3

Sufficient funds are available to meet the 2015 budget request; however, a \$2.4 billion shortfall exists over the 2015-2024 time frame (almost 84% of this shortfall is in the latter five years). City staff will recommend to City Council that certain projects not be approved at this time pending the identification of committed funding (see the section on Unfunded Projects on page 13 in this report and Appendix D for a full 10 year cash flow profile).

HISTORY

The original Yonge subway opened in the 1950s, and the Bloor-Danforth line opened in the mid-1960s. The period from 1970-1990 was one of remarkable growth for the TTC. Key to this growth was a program of systematic expansion of the transit system based on long-term, stable and predictable capital and operating funding. During this period, the Provincial Government paid for 75% of the TTC's capital funding needs and the municipal government paid the remaining 25%. This allowed for the construction of the Spadina subway, extension of the Yonge subway north to Finch, extension of the Bloor-Danforth subway to Kipling in the west and Kennedy in the east, construction of the Scarborough RT line and an expansion in the bus fleet by 70% as surface routes were extended into all corners of the suburbs. Over this same period, transit fares were set annually to cover 68% of the TTC's annual operating expenses, under the Provincial-Municipal "User's Fair Share" formula which saw the municipal and Provincial governments fund the balance on a 50/50 basis. In addition, both the Spadina Subway and the Scarborough RT received special ramp-up subsidies from the province during the initial years of operation until ridership on those lines reached system-wide levels.

As noted in the 2015 TTC Operating Budget Report also being submitted to this Board meeting, annual ridership is being budgeted at an all-time record of 545 million. This is 173 million or 47% more annual rides than in 1996 following the recession of the early 1990s. To put that into perspective, the actual growth of 173 million in annual ridership over that period is comparable to all of the new ridership expected to be generated by implementation of all of the current expansion plans in place or on the books.

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 exhibit below shows the myriad of project-specific capital funding provided by the province and the federal government. Most of these have been completed or are coming to an end. A renewal of these types of programs are needed to help fund the list of unfunded projects contained in Exhibit 6 (Appendix D includes a full 10 year cashflow profile of the Unfunded Projects).

Exhibit 2

<u>Canada Strategic Infrastructure Fund (CSIF)</u> – a \$1.05 billion agreement between the Federal, Provincial and Municipal Governments to provide equal shares of funding towards TTCs State of Good Repair, Ridership Growth and subway expansion programs. This program is <u>largely concluded</u> with only about \$3.6 million left to be claimed from the Federal and Provincial contributions.

<u>Infrastructure Stimulus Fund (ISF)</u> – a federally funded initiative under Canada's Economic Action Plan to promote job growth in Canada. This program included 19 projects and provided a 1/3 Federal contribution of \$44.2 million. This program concluded in 2011.

<u>Public Transit Capital Trust (PTCT)</u> – the Federal government announced the creation of a Public Transit Capital Trust in 2006. The City's share of this funding, based on transit ridership, amounted to about \$223 million. \$75 million was applied to the TYSSE with the balance to SOGR projects. This contribution was exhausted in 2009.

<u>Transit Secure (TS)</u> – Funding of approximately \$6 million was received under the Passenger Rail and Transportation Security Program ("Transit Secure") between 2006 and 2009. This program is now concluded.

Ontario Bus Replacement Program (OBRP) – Implemented in 2007, the Province committed to fund 1/3 of the cost of replacement buses at the time of procurement. In 2008, the Province changed the program by committing to provide up to 33.3% of conventional bus contract payments amortized over a 12 year bus life. In the 2010 budget, the Province cancelled the OBRP program and paid out outstanding obligations for bus contract commitments made from 2008 through 2010.

Golden Horseshoe Transit Improvement Fund (GTIP) – The Province paid out previously announced commitments under the Transit Technology Infrastructure Program ("TTIP") in full in March 2007 when the Province made an unconditional payment to the City of \$31.1 million. These funds were fully drawn by the end of 2012.

Ontario Rolling Stock Infrastructure Fund – in 2007 the Province provided \$150 million to address the Commission's unique rolling stock requirements which were fully drawn by the end of 2012.

Metrolinx Quickwins (QW) - \$386 million - Subway Capacity projects including a 1/3 share of 282 subway cars and a 100% share of the initial costs for the YUS Automatic Train Control Resignalling project. These funds were exhausted in 2014.

<u>Canada-Ontario</u> <u>Infrastructure</u> <u>Program</u> (<u>COIP</u>) – The Federal government provided 1/3 funding in the amount of \$76 million towards various modernization and improvement projects. This amount was fully drawn by 2003.

<u>Light Rail Vehicle (LRV) Program</u> - The Provincial government has allocated up to \$416 million or 1/3 funding of eligible costs related to the purchase of 204 LRVs to replace the current streetcar fleet. The program is <u>active</u> and is slated to run from 2009 to 2019 when the last LRV is delivered.

Going back to the early 1970s, and in more recent times as outlined above, the City has never been required to fully fund the TTC's needs. The City has noted that it is unable financially bear the full cost of the TTC's on-going capital requirements to maintain the existing system in a state-of-good-repair. Consequently, a long-term capital funding strategy is required with the Provincial and Federal governments to secure the sustainability of the transit system for the 545 million riders projected in 2015 and the growth in ridership that will follow as the population of the City and region continue to expand.

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

BUDGET SUMMARY

The 2015-2024 Capital Budget has been prepared consistent with the Commission's Five Year Corporate Plan and with the 2015 TTC and Wheel-Trans Operating Budgets Report as well as the Commission priorities and the plan approved by City Council two years ago. 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 2015-2024 Capital Budget are as follows:

- \$1.149 billion is budgeted for 2015 for the base capital program:
 - \$510 million for vehicles, including \$151 million toward the purchase of 420 Toronto Rocket Subway Cars, \$33 million toward the procurement of 55 LF 40 foot buses, \$14 million for the procurement of 50 buses for customer service improvements, \$187 million toward the purchase of 264 LRV's, \$99 million for revenue vehicle overhaul programs (bus, subway car and streetcar) and \$26 million for the acquisition or overhaul of various non-revenue vehicles (Appendix C contains a summary of the fleet plans for the TR, LRV and bus fleet).
 - \$639 million for infrastructure and related projects, including \$329 million for rehabilitation of buildings, structures, tunnels, bridges, yards and roads, \$53 million for track work, \$157 million for signals, electrical and communications systems, \$46 million for various information technology projects and, \$54 million for various facility, equipment and environmental projects.
 - Based on current funding assumptions, there is sufficient funding available to cover the 2015 budgeted expenditures.

- <u>\$9.268 billion is forecasted</u> as the overall requirement for the base capital program for the ten years from 2015 to 2024:
 - \$5.576 billion for infrastructure and related projects.
 - \$3.692 billion for the procurement and overhaul of vehicles.
- Based on current funding assumptions, there is a <u>funding shortfall in the order of \$2.35 billion</u> over the next ten years and, therefore, certain projects will not be permitted to proceed pending confirmation of available funding (see Appendix D). These are discussed later in this report.
- \$444 million is required in 2015 and \$446 million in 2016 for the construction of the Toronto-York Spadina Subway Extension.
- \$50 million is required in 2015 and \$3.422 billion from 2015 to 2024 for the construction of the Scarborough Subway Extension (including \$132 million for the SRT life extension).

DISCUSSION

Appendix A provides a Summary of the 2015-2024 Capital Budget by program category and the "Blue Pages" as attached in Appendix B is a detailed listing of the various projects needed to meet the base needs of the system over the next decade. Plans for the revenue vehicle fleets (Toronto Rocket Subway Cars, LRVs and buses) are included in Appendix C.

2015-2024 CAPITAL BUDGET

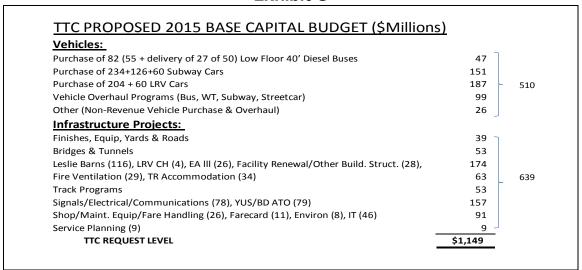
With investments approaching \$14.5 billion in existing assets (many of which last for decades) and ridership volumes at record levels, the existing transit network must remain the TTC's first priority. The base capital program covers the acquisition of new and replacement transit assets needed by the 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:

- State-of Good-Repair
- Legislative
- Improvement
- Expansion

The cash flow for each program or project element contained within the Base Capital Budget is summarized in Appendix A and full project details are presented in the Blue Pages as attached in Appendix B (Note: Expansion Initiatives, including the Toronto-York Spadina Subway Extension and the Scarborough Subway Extension, are not included in the base capital program).

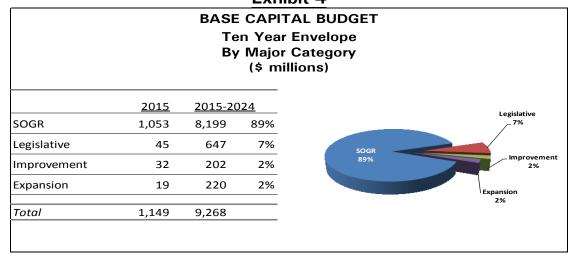
Key elements of the \$1.149 billion in the base capital budget for 2015 are shown below in Exhibit 3.

Exhibit 3



Expenditures for the next 10 years from 2015 to 2024 are budgeted for the base capital budget in the order of \$9.268 billion as shown in Exhibit 4.

Exhibit 4



As noted in the above exhibit, over \$8.8 billion or about 96% of the base capital budget for the ten years from 2015 to 2024 is committed to State-Of-Good-Repair and Legislative projects. Key elements of the base capital program over the next ten years include:

Vehicle acquisitions:

- √ 810 Low Floor Buses (\$608 million)
- √ 149 Low Floor Buses (\$117 million) Board approved initiative
- ✓ 201 Future Wheel Trans Buses (\$100 million)
- √ 420 Toronto Rocket Subway cars (\$185 million)
- √ 372 T1 Subway car Replacement (\$616 million)
- √ 204 LRV's (\$672 million)
- ✓ 60 LRVs to address ridership growth (\$366 million)

Building and Infrastructure Projects:

- ✓ Leslie Barns (\$167 million) and existing facility modifications required for LRVs (\$53 million)
- ✓ McNicoll bus garage (\$178 million)
- ✓ TR/T1 Rail Yard Accommodation (\$436 million)
- ✓ Installation of automatic train control and re-signalling on the YUS subway line (\$325 million)
- ✓ Installation of automatic train control and re-signalling on the BD subway line (\$301 million)
- √ Track replacement (\$694 million)
- ✓ Easier Access Phase III (\$432 million)
- √ Various bridge and tunnel infrastructure rehabilitation (\$505 million)
- ✓ TTC Presto and POP LRV fare collection and infrastructure needs (\$36 million)
- ✓ Upgrading of fire ventilation equipment and second exits in the subway (\$286 million)
- ✓ Upgrades to information technology assets (\$388 million)
- ✓ Roofing rehabilitation and paving programs (\$284 million)
- ✓ Streetcar overhead system rebuild (\$65 million)
- ✓ Streetcar network upgrades for new LRVs (\$60 million)

In addition to the base capital budget:

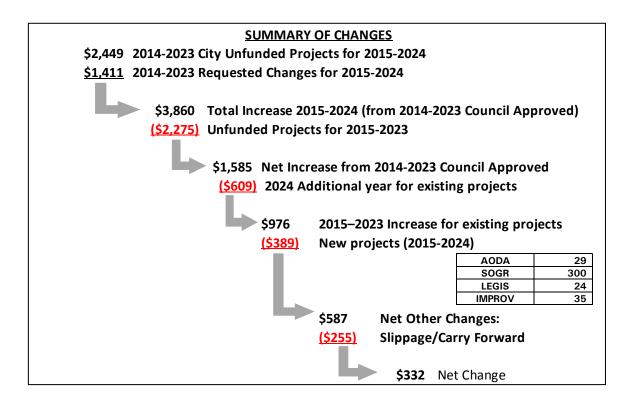
- The <u>Toronto-York Spadina Subway Extension (TYSSE)</u> is a \$2.634 billion project that will extend the Spadina subway line north from Downsview Station to Vaughan Metropolitan Corporate Centre in York Region. It is fully funded by the City of Toronto, York Region, the Province of Ontario and the Government of Canada. It is projected that expenditures of \$890 million will be incurred over the next two years are including \$444.2 million in 2015 alone.
- The <u>Scarborough Subway Extension (SSE)</u> is currently estimated to be a \$3.56 billion project that will extend the Bloor-Danforth subway line approximately 7.6 kilometres from Kennedy Station to Sheppard Avenue and McCowan Road. This includes \$132 million to extend the life of the SRT until the SSE commences operation and a further \$123 million to decommission

and demolish the SRT.

BUDGET COMPARISON

Exhibit 5 shows the changes requested in the base budget from that approved by City of Toronto Council in January of 2014.

Exhibit 5



The 2015-2024 Capital Program and 10 Year Forecast requirements for the proposed base capital program have been identified with the following impacts:

- For 2015-2023, \$2,275 million relates to projects approved by the Board but not funded by City Council as part of the 2014-2023 Capital Budget. These Unfunded Projects are being resubmitted and include:
 - Purchase of 904 Buses (\$543 million)
 - Purchase of 372 Subway Cars (\$458 million)
 - Purchase of 60 Streetcars (Ridership Growth) (Board Approved Initiative to Improve Transit Service) (\$366 million)
 - Easier Access III (AODA) (\$240 million)
 - Fire Ventilation Upgrade (\$162 million)
 - McNicoll Bus Garage (\$109 million)
 - Subway Track Program (\$60 million)
 - Surface Track Program (\$38 million)
 - On-Grade Paving Rehabilitation Program (\$45 million)
 - Train Door Monitoring (\$52 million)
 - Purchase of Future Wheel Trans Buses (\$22 million)
- For 2024, the new tenth year, the \$609 million request relates to existing projects includes the following:
 - Purchase of 372 subway cars (T1 replacement) (\$158 million)
 - Purchase of Low Floor Buses (\$ 69 million)
 - Trackwork (subway and surface) (\$67 million)
 - BD ATC Resignalling (\$58 million)
 - Bridges & Tunnels (\$47 million)
 - Bus Overhaul Program (\$40 million)
 - Easier Access III (\$32 million)
 - Fire Ventilation (\$19 million)
 - Equipment (\$14 million)
 - Traction Power (\$14 million)
 - Yard and Roads (\$14 million)
 - Subway Car Overhaul (\$13 million)
 - IT Systems (\$14 million)
- For 2015-2024 <u>new</u> capital requirements will increase by \$389 million largely based on the following:
 - Supply of Orion VII Hybrid Bus Components (transfer from operating) (\$159 million)
 - Wilson Garage Ventilation Upgrade (\$50 million)
 - Life Extension Overhaul of 30 Artic LRV (\$25 million)
 - Backflow Preventers (\$24 million)
 - Purchase of Rail Non-Revenue Vehicles (\$21 million)
 - IT Systems/Infrastructure (\$16 million)

- Transit Priority Measures (\$12 million)
- Union Station New Platform (\$11 million)
- Rail Non-Revenue Vehicle Overhaul (\$11 million)
- Subway Car Overhaul (\$7 million)
- WT Friendly Bus Rebuild (\$9 million)
- AODA Requirements (\$29 million)
- Based on the recommended 2015-2024 Capital Program submission, at the time of writing it is currently estimated that 2014 will be <u>under-spent</u> by \$255 million and these funds will be carried forward.
- For 2015-2023 <u>existing</u> capital requirements will increase by \$332 million. The primary source of these changes includes the following:
 - TR/T1 Rail Yard Accommodations (\$82 million)
 - Subway Facility Renewal (\$47 million)
 - Fire Ventilation (\$24 million)
 - Subway Asbestos Removal Program (\$19 million)
 - Surface Way Building Replacement (\$19 million)
 - Purchase of Automotive Non-Revenue Vehicles (\$17 million)
 - Bus Washrack (\$16 million)
 - Revenue Operations Facility (\$14 million)
 - Fire Main Replacement (\$13 million)
 - Subway Track Rehabilitation (\$13 million)
 - Storage Tank Replacement (\$10 million)
 - Leslie Barns (\$10 million)
 - Maintenance of Joint TTC/Transportation Bridges (\$9 million)
 - Video Equipment (\$9 million)
- The in-service date for the <u>Toronto-York Spadina Subway Extension</u> project is targeted for the fall of 2016. However, the project is facing serious schedule challenges. Work on the major facility contracts is advancing, with three stations, York University, Steeles West (Pioneer Village), and Hwy 407 not maintaining schedule. Efforts to have these station contractors improve their schedule performance are intense and have been ongoing for some time.

A peer review was conducted by APTA in late 2014 largely to assess schedule and budget challenges. A report is expected in March that will make recommendations to mitigate schedule challenges.

In addition the consulting firm, Bechtel Ltd., was retained to conduct a thorough in depth analysis of the project and similarly is expected to present its findings in March.

- For the Scarborough Subway Extension project:
 - \$3.305 billion is required over the next ten years for Scarborough Subway
 - \$132 million is required for the SRT life extension during this time frame
 - \$123 million will be required after 2024 for SRT Decommissioning and Demolition
- Projects for Future Consideration: Studies currently underway could lead to +/- \$200 million in new projects in the future. This includes:
 - Non-compliance of AODA legislation by 2025 (including Easier Access, AODA communications upgrade, fleet, bus stops)
 - Sufficiency of budget in later years (e.g. 2024)
 - Buses (move from an 18 year life to 15 years)
 - Fire Ventilation Upgrades
 - Various Studies underway that could lead to new projects in the future – for example:
 - Yonge-Bloor Capacity Improvements (Prelim. Design Study \$6M, Future needs EFC TBD)
 - Downtown Relief Line Study \$3M; Future needs TBD
 - Platform Edge Doors (PEDs) \$1M; Future needs TBD

UNFUNDED TTC CAPITAL PROJECTS

The TTC's Base Capital Budget needs over the ten year period 2015-2024 total almost \$9.3 billion; however, all known sources of funding currently available are about \$6.9 billion (including additional City debt of \$508 million above the originally established debt target), resulting in a \$2.4 billion funding shortfall over this time period.

As noted earlier in this report, there is an urgent need to identify long-term, sustainable and predictable funding sources. This would allow the TTC to proceed with appropriate and timely capital investments in a planned fashion in order to meet the needs of the City and our customers to ensure that the transit system, infrastructure, vehicles and equipment are maintained in a state-of-good-repair.

In the interim, while recognizing that the TTC's capital needs are real, City staff is unable to recommend to City Council a budget that significantly exceeds the available funding to support it. Consequently, they have asked that the TTC identify up to \$2.4 billion of capital work that must remain uncommitted, pending the identification of additional sources of funding. The following table identifies a list of projects that must be held in abeyance until such time as funding sources can be identified. Also noted on the table is a required decision date by which funding must be identified in order to allow these projects to proceed as required. A detailed cash flow profile for these projects is identified on Appendix D.

Exhibit 6

<u>PROJECT</u>	\$ (Millions)	DECISION DATE
372 Replacement Subway Cars	(616)	2017
201 Replacement Wheel-Trans Buses	(100)	2016
Purchase of 99 40' LF Buses Customer Service Initiative	(89)	2015
60 New LRVs for Growth	(366)	2016
Fire Ventilation Upgrade	(132)	2017
Train Door Monitoring System - T1 & TR	(51)	2015
Easier Access III	(165)	2018
Bus Heavy Rebuilt Program	(256)	2018
Capacity to Spend Opportunities	(573)	2015
Total	(2,350)	

Following is a brief discussion of each of these Unfunded Projects.

- 372 Replacement Subway cars (-\$616 million) By 2025 the T1 subway car fleet will be reaching the end of its useful life after 30 years of revenue service. Replacement vehicles must be ordered well in advance to ensure timely arrival consistent with the retirement of the existing fleet in order to avoid excessive maintenance costs which would negatively impact the operating budget.
- 201 Replacement Wheel-Trans Buses (-\$100 million): Wheel-Trans services are delivered through a combination of contracted accessible taxis and sedans and TTC owned buses. The size of the TTC owned bus fleet is impacted by customer mobility requirements, demand levels, legislation (AODA) and planned linking of trips with the conventional service. Any prolonged delay in the procurement of buses will affect Wheel-Trans' ability to meet service and accommodate ridership growth.
- Purchase of 99 (of 149) 40' LF Buses for Customer Service Initiatives (-\$89 million): 149 additional buses are required to roll out to meet the initiatives described in the report "Opportunities to Improve Transit Service in Toronto" as recommended by the Board on August 19, 2014. This includes providing a means to reduce passenger wait times and crowding and to provide more reliable and expanded services. This will support the objectives of Toronto's "Official Plan" by helping to entice commuters away from automobiles and towards public transit. In recent weeks, TTC and City staff have identified additional funding of \$27.5 million to accelerate the procurement of 50 of the 149 LF 40' buses. It is anticipated that theses buses will be delivered starting in late 2015.

- 60 New LRVs for Growth (-\$366 million): The TTC is replacing the entire streetcar fleet under the 204 LRV order. Ridership to date and future expectations are such that an additional 60 LRVs are needed to accommodate growth. Since these entire fleet replacements happen once a generation (a large order is needed to obtain a cost-effective price), it is cost-effective to add these 60 vehicles to the existing order to take advantage of the volume pricing.
- <u>Fire Ventilation Upgrade (-\$132 million)</u>: This is a multi-year project consisting of both fire ventilation and second exits elements. Staff will undertake a planning phase to re-assess the fire ventilation portion and establish an achievable project delivery plan that will recommend a project implementation strategy, budget and schedule.
- Train Door Monitoring System T1 and TR (-\$51 million): The purpose of this initiative identified as part of the Five Year Corporate Plan is to install a train door monitoring system to allow a transition to a "single person operator" on trains on all subway lines. Sufficient funds have been included to allow this initiative to get underway on the Sheppard Subway line in 2015 for the purposes of evaluating its success. Additional funding will be required before the operating benefits of this initiative will be achieved. This project will assist in the modernization of the Yonge Subway and represents a significant opportunity to achieve a substantial reduction in labour required to operate trains.
- Easier Access III (-\$165 million): Provincially legislated requirements under the Accessibility for Ontarians with Disabilities Act (AODA) require all subway stations to be fully accessible by 2025 and this project is intended to complete the required work. There are 39 stations that require accessibility improvements including elevators, easier access fare gates, automatic sliding doors, signage improvements, associated modifications to architectural, structural, mechanical and electrical elements and Easier Access Portal Unit (EAPU) where necessary. Furthermore, with the implementation of the AODA requirements, there are annual operating budget impacts associated with maintaining these elevators. While the Commission acknowledges the importance of meeting AODA requirements, the funding shortfall and competing capital priorities to ensure the SOGR and safety requirements of the existing ageing transit system, may compromise our ability to fulfill this requirement without additional funding to support this costly initiative.
- Bus Heavy Rebuild Program (-\$256 million): The design life of a conventional bus in North America is 12 years and the TTC has historically maintained its buses to last at least 18 years (and in recent years for as long as 24 years) through mid-life bus rebuilds at about 9 years of age. Experience with newer bus fleets has indicated that these bus rebuilds need to be performed earlier (in the range of 7½ years). It appears the optimal life of a bus with a single mid-life rebuild may now be closer to 15 years. While reducing the expected life of a bus will result in additional capital costs, failure to implement an appropriate strategy for maintenance of the bus fleet will impact the integrity and reliability

of the fleet and has the potential to significantly increase operating costs. Staff are moving to a reliability centered maintenance approach to improve the quality of the fleet and will make a recommendation in a future capital budget to transition to a 15 year bus life.

Capacity to Spend Opportunities (-\$573 million): City staff have reviewed historical spending patterns and, based on that review, have recommended that the budget level of expenditures be reduced for specific capital programs over the next ten years based on the expectation that historical spending patterns will be repeated going forward. Projects/programs affected include subway and surface track, traction power, building finishes, building equipment, bridges & tunnels and on-grade paving. TTC staff will continue to monitor and adjust programs based on the actual capacity to spend and will seek flexibility from City staff to ensure that actual expenditures are not constrained on any individual element if there was to be a negative consequence from doing so.

In summary, as shown in the table above and as set out on Appendix D, the value of these Unfunded Projects is in the order of \$2.350 billion.

For these Unfunded Projects, the TTC's base capital requirements have been demonstrated over time to be justified and are based on solid 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 existing ridership volumes and moderate 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 and will ultimately add to the state of good repair backlog and result in even higher funding needs in the future.

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 Budget 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, sustainable and long term.

The following conclusions or observations can be made:

- 1. The TTC's priorities for capital investment remain unchanged. The needs are real. Although City staff agree, they have advised that they cannot fund the TTC's needs alone.
- 2. The 2015-2024 Capital Budget is consistent with the TTC's Corporate Plan and with the capital plan approved by the Board and City Council last year.

- 3. The proposed 2015 budget is affordable within the City approved debt guidelines.
- 4. There is a funding shortfall of \$2.4 billion for the base capital program over the ten years 2015-2024. As a result, several critical unfunded projects will be held in abeyance pending confirmation of funding sources to allow these projects to proceed. Failure to identify funding will have significant impacts for the existing transit system and will not meet the needs of the TTC, its riders or the City of Toronto.
- 5. 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 GTHA. Maintaining the existing system is critical to ensuring that record ridership levels - projected to reach 545 million in 2015 - 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 at this time. Expanding the system, as much as it is needed, only makes sense if the existing system is properly funded.

January 19, 2014 42-66

Attachment: Appendix A - 2015-2024 Capital Program Summary

Appendix B - 2015-2024 Capital Program Blue Pages **

Appendix C - Fleet Plans (TR, LRVs, Buses)

Appendix D - Unfunded Projects

Appendix E - 2015-2024 Capital Program Funding Summary

** Note: In the 2014-2023 Capital Budget process, the Board approved the Commission's 10 year capital budget request of \$9.0 billion. However, due to funding constraints, \$2.5 billion of projects were deemed unfunded and Council only approved \$6.5 billion for the 10 year envelope. The blue pages included in Appendix B reflects Council's approval (of the 2014-2023 CB – as noted on the "B" line) and TTC's new 10 year request (as noted on the "P" line).

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET SUMMARY

\$Millions

Programs	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2015 to 2024
Infrastructure Related Programs:											
Tracks:	52,501	104,916	53,427	71,722	91,098	62,164	62,156	63,734	65,168	67,109	693,995
1.1 Subway Track	23,964	50,075	21,408	30,149	66,399	30,634	31,444	32,096	32,738	33,586	352,493
1.2 Surface Track	28,537	54,841	32,019	41,573	24,699	31,530	30,712	31,638	32,430	33,523	341,502
Signals, Electrical, Communications:	157,461	165,661	169,035	146,675	108,481	67,101	58,522	71,769	77,168	85,500	1,107,373
2.1 Traction Power	27,209	24,947	24,509	21,344	21,071	11,628	11,536	12,212	14,175	14,305	182,936
2.2 Power Distribution	8,541	9,032	10,118	10,444	6,097	5,865	5,843	5,829	5,684	5,986	73,439
2.3 Communications	24,778	30,933	24,693	16,611	10,391	6,183	2,833	5,141	5,119	5,829	132,511
2.4 Signal Systems	18,297	19,354	19,423	17,523	10,229	2,829	1,438	1,221	1,252	1,290	92,856
2.4 YUS/BD Resignalling	78,636	81,395	90,292	80,753	60,693	40,596	36,872	47,366	50,938	58,090	625,631
Buildings and Structures:	328,591	419,195	403,320	438,311	437,207	358,679	258,830	182,247	157,589	143,637	3,127,606
3.1 Finishes	9,218	18,798	20,564	14,518	21,409	21,362	20,925	21,354	10,800	8,741	167,689
3.2 Equipment	19,450	38,823	42,669	32,159	32,156	33,741	26,818	23,333	16,328	14,001	279,478
3.3 Yards & Roads	10,078	24,865	26,470	28,702	28,206	27,815	16,278	16,284	12,295	13,699	204,692
3.4 Bridges & Tunnels	52,461	61,975	51,193	45,591	43,884	48,067	50,845	51,571	52,298	46,968	504,853
3.9 Fire Ventilation Upgrade	28,926	25,377	27,345	44,980	44,443	43,019	25,306	13,059	14,751	18,521	285,727
3.9 Easier Access Phase III	26,316	43,263	49,007	55,886	48,291	40,620	46,855	47,393	42,696	31,515	431,842
3.9 Leslie Barns	115,500	45,499	3,000	2,900	-	-	-	-	-	-	166,899
3.9 Toronto Rocket Yard & Storage Track Accommodation	34,398	69,296	54,856	77,805	102,996	53,411	43,013	-	-	-	435,775
3.9 McNicoll Bus Garage	537	4,000	36,100	49,247	47,000	41,000	-	-	-		177,884
3.9 Other Buildings & Structures	31,707	87,299	92,116	86,523	68,822	49,644	28,790	9,253	8,421	10,192	472,767
Tooling, Machinery and Equipment	44,644	31,153	29,130	27,955	16,345	13,639	12,483	12,263	11,699	11,339	210,650
5.1 Shop Equipment	8,520	4,366	2,881	3,526	2,809	2,562	2,341	2,452	2,500	2,541	34,498
5.2 Revenue & Fare Handling Equipment	5,916	1,840	1,904	2,013	2,227	2,335	2,350	2,358	2,365	1,848	25,156
5.3 Other Maintenance Equipment	11,679	1,452	1,162	1,225	1,151	1,153	1,154	1,213	1,158	1,160	22,507
5.4 Fare System	10,802	11,188	8,308	5,271	-	=	=	=	-	=	35,569
6.1 Environmental	7,727	12,307	14,875	15,920	10,158	7,589	6,638	6,240	5,676	5,790	92,920
Computer Equipment & Software	46,373	82,517	73,368	58,071	32,774	27,884	18,706	18,358	15,713	14,048	387,812
7.1 & 7.2 IT Systems/Infrastructure	46,373	82,517	73,368	58,071	32,774	27,884	18,706	18,358	15,713	14,048	387,812
Other:	9,282	7,729	6,521	6,191	5,507	3,518	2,660	2,472	2,627	2,470	48,977
9.1 Furniture & Office Equipment	391	209	486	355	272	683	425	237	392	235	3,685
9.2 Service Planning	8,891	7,520	6,035	5,836	5,235	2,835	2,235	2,235	2,235	2,235	45,292
Subtotal - Infrastructure Related Programs	638,852	811,171	734,801	748,925	691,412	532,985	413,357	350,843	329,964	324,103	5,576,413
Vehicle Related Programs:											
4.11 Purchase of Buses	46,919	76,190	74,309	77,138	80,349	84,165	80,167	70,883	65,979	69,098	725,197
4.11 Purchase of Future Wheel Trans	-	-	-	13,900	23,600	14,400	26,000	22,400	-	-	100,300
4.12 Purchase of Subway Cars	151,081	23,156	10,367	249	524	584	1,523	293,407	161,569	158,376	800,836
4.13 Bus Overhaul	55,626	75,056	91,956	79,579	60,063	42,232	37,504	57,862	57,828	60,635	618,341
4.15 Streetcar Overhaul	8,318	10,182	9,024	410	410	1,043	1,316	1,530	4,264	7,966	44,463
4.16 Subway Car Overhaul	35,193	63,784	49,377	17,361	17,463	17,085	16,475	12,517	12,140	12,454	253,849
4.18 Purchase of Streetcars	187,301	116,901	126,439	125,547	125,450	241,580	107,636	7,161	-	-	1,038,015
4.21 Purchase Non Revenue Vehicles	12,743	6,615	3,637	2,820	2,237	3,277	6,505	3,974	5,757	1,964	49,529
4.22 Rail Non-Revenue Vehicle Overhauls	5,048	2,132	2,221	1,759	1,776	1,758	1,671	1,683	1,693	1,414	21,155
4.23 Purchase Rail Non-Revenue Vehicle	7,727	18,249	4,992	4,476	2,592	2,356	-	-	-	-	40,392
Subtotal - Vehicles Related Programs	509,956	392,265	372,322	323,239	314,464	408,480	278,797	471,417	309,230	311,907	3,692,077
BASE PROGRAM - TOTAL	1,148,808	1,203,436	1,107,123	1,072,164	1,005,876	941,465	692,154	822,260	639,194	636,010	9,268,490
Toronto York Spadina Subway Extension (TYSSE)	444,180	445,830	-	-	-	-	-	-	-	-	890,010
Scarborough Subway Extension (SSE)	50,258	120,118	185,550	268,162	756,903	711,403	618,395	464,992	215,273	31,000	3,422,054
TOTAL - BASE, TYSSE & SSE Programs	1,643,246	1,769,384	1,292,673	1,340,326	1,762,779	1,652,868	1,310,549	1,287,252	854,467	667,010	13,580,554
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TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

APPENDIX B

PROJECT CITY PROBABLE APPROVAL. Category Type CTT No. WO# DESCRIPTION 2019 | 2015-2019 | 2020 2021 2022 2023 2024 POST 2024 | 2015-2024 EFC REQUEST to 2013 2014 2015 2016 2017 2018 1.1 Subway Track Annual Programs SOGR ONGOING CTT001 6622 Subway/SRT Track Rehabilitation Program 164 050 53 062 43 375 6.650 8.800 10.700 16 800 52 660 95.619 16.512 16 957 17 308 17 654 261 387 SOGR ONGOING CTT001 17.804 18 160 18,629 218,762 116,323 50.024 18 106 7.745 40.448 11.149 17.258 53 137 129.737 16.989 17.443 286.892 CTT001 (3,938) (25.269) 1,095 31,648 449 458 477 496 506 18 629 54,712 25.505 SOGR ONGOING CTT001 6628 Subway/SRT Turnout Rehabilitation Program 8,157 8,858 7,400 8,500 11,000 11,330 47,088 11,670 11,985 12,235 95,456 SOGR ONGOING CTT001 11.301 9.705 14.583 8,000 8,500 11,000 11,330 53.413 11,670 11,985 12,235 12,480 12.804 114.587 135.593 43.589 CTT001 C 12,804 19,129 (1,548 1,548 5,725 600 6,325 19,129 Existing Projects SOGR FINITE CTT001 7715 MOWIS Upgrade 153 CTT001 SOGR FINITE 249 153 102 204 305 314 1,078 324 333 340 347 356 2.778 3.027 3,027 CTT001 C (153) 153 153 356 356 SOGR ONGOING CTT001 6260 Subway Rail Grinding В 1,454 1,555 7,767 1,717 1,751 14,569 16,023 1,483 1,525 1,586 1.618 1,651 1,683 SOGR ONGOING CTTOO1 1,454 1,483 1,525 1,555 1,586 1,618 7,767 1,651 1,683 1,717 1,751 1,797 16,366 1,797 17,820 4,462 C 1 797 1 797 IMPROV FINITE CTT001 6012 YUS Resignalling - Installation of Crossovers В 11 549 1 139 12 688 IMPROV FINITE 11,669 12.688 1.019 12.688 CTT001 120 (120 IMPROV FINITE CTTG01 6032 Rail Vehicle Based Inspection System 500 6,500 7,000 IMPROV FINITE CTT001 6.991 7,000 7,000 (491) 491 SOGR ONGOING CTT001 Various 1.1 Subway Track City Requested Budget Reduction (10,000) (10.000 (20 000) (10,000) (10,000) (10,000) (10,000) (60.000 (60,000) SOGR ONGOING CTT001 CTT001 10,000 10,000 20,000 10,000 10,000 10 000 10 000 60.000 60,000 20.959 19 691 55 931 356 233 Sub-Total Subway Track SB 60 778 131 399 20.958 21.600 22.232 216 346 73,252 37,275 23,964 30,149 66,399 191,995 30,634 31,444 32,096 352,493 463,020 187,089 21,408 (23,503) 10,458 136 147 1.2 Surface Track Annual Programs SOGR ONGOING CTT002 6715 Surface Track Replacement Program 83,702 20,293 103,737 175,335 SOGR ONGOING CTT002 78.113 6 117 11 281 37.257 18 058 28 294 9.883 104,773 17,164 17 640 18,169 18,625 19 335 195 706 279 936 132 768 CTT002 20,371 (5,589)2,922 (9,012) 8,006 1,036 1,695 1,036 19,335 (689) 17,704 SOGR ONGOING CTT002 6716 Surface Special Trackwork Replacement Program 68,639 18,137 17,425 65,991 14,366 13,072 13,469 13,805 120,70 SOGR ONGOING CTT002 14.188 59.011 16.307 12.031 16.577 13.961 13,279 14,816 70.664 14.366 13.072 13.469 13.805 139.564 214.882 103.926 CTT002 (9,628) (1,830 4,673 4,673 3,464 (3,464)14,188 18,86 7,400 **Existing Projects** IMPROV FINITE CTT002 6006 Modifications to The Queensway 162 88 1 007 1 095 1 095 1 257 IMPROV FINITE CTT002 162 1,007 1,095 1,257 1,257 1,095 CTT002 C SOGR FINITE CTT002 6127 Russell Yard South End Track Improvement 350 650 SOGR FINITE 4,387 4.387 4.500 13 100 4.387 4.500 CTT002 (337) (550 4,387 4,387 4,387 3,500 IMPROV FINITE CTT002 6000 Reserved Transit Lanes on St. Clair Avenue 57,920 57,920 IMPROV FINITE CTT002 55.651 250 750 750 750 56 651 56,651 CTT002 250 (2,269)750 750 750 (1,269) SOGR ONGOING CTT002 Various 1.2 Surface Track City Requested Budget Reduction (10.000) (8,000) (10.000) (38 000) (10.000) (10 000) (38 000) (48 000) SOGR ONGOING CTT002 CTT002 10,000 8 000 10.000 10,000 10.000 38.000 38,000 48.000 31,530 30,712 31,636 32,430 Sub-Total Surface Track SB 210.611 12.144 33.371 26.172 30.537 23 004 132 823 259 133 481 888 192,788 28,537 181,669 31,530 30,712 31,638 32,430 33,523 341,502 54,841 41,573 24,699 299,102 10,792 8.798 21,470 5.847 11.036 1,695 48,846 82,369 75,338 ELECTRICAL SYSTEMS 2.1 Traction Power Existing Projects
6366 Reconstruction of Streetcar Overhead SOGR ONGOING CTT003 50.982 13.574 13.085 13.774 5.540 2.500 2.500 37.399 2.500 2.500 2.800 3.500 48.699 113 255 SOGR ONGOING CTT003 10,000 10,000 10,000 10,000 2,748 2,500 2,800 3,500 71,707 50,000 65,046 116,755 C (9.275) (3.574) (3.085) (3.774)4.460 7.500 7,500 12,601 248 3.500 16,349 3,500 SOGR ONGOING CTT003 6620 Overhead Pole Replacement 35 876 2.290 1.892 1,390 6,572 500 700 1.500 9,772 SOGR ONGOING CTT003 35.510 1.500 2.596 2.350 1,892 1,390 500 500 6,632 500 500 700 1,500 11,332 49.438 42.348 CTT003 (366) 306 60 1,560 1,500 60 1,500 SOGR ONGOING CTT003 6320 Replace Surface Traction Power Distribution 16.617 869 500 3,735 5.995 24.077 SOGR ONGOING CTT003 15.895 1,712 1,450 869 727 603 561 4,210 500 500 580 680 700 7,170 24,777 19,926 247 227 C (722)84 103 61 475 700 1.175 700 SOGR ONGOING CTT003 6667 Substation Electrical Rebuild 25 471 3 491 3 596 3 596 3 703 3 703 3 814 18 412 3.814 3 929 3 929 4 000 34 084 63 046 SOGR ONGOING CTT003 24,560 5,678 3,846 3.846 3.703 3.703 3.703 4.000 4.043 19.141 3.729 37 930 3.729 38 302 68 540 CTT003 С (911) 2.187 340 729 4,218 5,494

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

									1	\$000's)												PROJECT
Catego	гу Туре	CTT No.	WO#	DESCRIPTION		CITY F to 2013	ROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
SOGR	ONGOING	CTT003 CTT003 CTT003	7633	Replace Rectifier Transformers	B P C	14,410 13,911 (499)	1,561 2,025 464	1,568 1,580 12	1,568 1,580 12	1,615 1,599 (16)	1,615 1,642 27	1,663 1,663	8,029 8,064 35	1,663 1,663	1,713 1,713	1.764 1.764	1,811 1,811	1,865 1,865		14,980 16,880 1,900	30,951 32,816 1,865	19,096
SOGR		CTT003 CTT003 CTT003	6147	Electrolysis Control	B P C	8,952 8,783 (169)	625 794 169	488 488	520 520	540 540	560 560	600 600	2,708 2,708	625 625	650 650	670 670	680 680	700 700	-	5,333 6,033 700	14,910 15,610 700	10,585
SOGF		CTT003 CTT003 CTT003	7501	Modification of DC Feeder Measuring Circuitry	8 P C	3,540 3,487 (53)	742 795 53	764 764	764 764	786 786 -	786 786	809 809 -	3,909 3,909 -	809 809	834 834	859 859	884 884	900 900	-	7,295 8,195 900	11,577 12,477 900	5,810
SOGF SOGF	ONGOING	CTT003 CTT003 CTT003	7635	Replace LV Feeder Cables	B P C	2,774 2,727 (47)	250 307 47	250 250	260 260	270 270	270 270	280 280	1,330 1,330	280 280	280 280	280 280	290 290	290 290	Ī	2,460 2,750 290	5,494 5,784 290	3,544
SOGR	FINITE	CTT003 CTT003 CTT003	6072	Alternate Feeds for Intersections	B P C	1,688 489 (1,199)	1,363 471 (892)	1,300 1,266 (34)	1,381 1,299 (82)	1,900 1,333 (567)	1,369 1,369	1,405 1,405	4,581 6,672 2,091	:	:	:	:	:		4,581 6,672 2,091	7,632 7,632	7,632
SOGR	ONGOING	CTT003 CTT003 CTT003	6082	Rebuild TTC Cable Chambers	B P C	1,908 1,697 (211)	750 1,284 534	750 750	770 664 (106)	770 664 (106)	600 689 (111)	800 800	3,890 3,567 (323)	800 800	830 830	830 830	830 830	850 850	:	7,180 7,707 527	9,838 10,688 850	4,395
SOGR SOGR	FINITE FINITE	CTT003 CTT003 CTT003	6084	Replace Diode Section insulators	B P C	1,832 1,205 (627)	930 237 (693)	935 739 (196)	986 986	854 871 17	749 749	750 750	2,775 4,095 1,320	:	:	:	:	:	-	2,775 4,095 1,320	5,537 5,637	5,537
SOGR	FINITE	CTT003 CTT003	6108	Traction Power Substations	B P C	1,716 1,191 (525)	3,458 341 (3,117)	1,150 3,296 2,146	2,500 1,837 (663)	500 2,286 1,786	100 473 373	:	4,250 7,892 3,642	:	: ,	:	:	:	Ξ.	4,250 7,892 3,642	9,424 9,424 -	9,424
SOGR	FINITE	CTT003 CTT003 CTT003	6088	Replace Underpass Troughs	B P C	1,940 1,409 (531)	430 531 101	430 430	430 430	:	:	-	430 860 430	: '	:	:	:	:	:	430 860 430	2,800 2,800	2,800
SOGR	ONGOING ONGOING	CTT003 CTT003 CTT003	Various	2.1 Traction Power City Requested Budget Reduction	. P C	:	(10,000) 10,000	10,000	(5,000) 5,000	:	:	-	(15,000) - 15,000	:	:	:	:	:	:	(15,000) 15,000	(25,000) - 25,000	
				Sub-Total Traction Power	SP	167,706 152,571	20,939 26,771	17,972 27,209	23,880 24,947	18,368 24,509	11,334 21,344	11,466 21,071	83,020 119,080	11,491 11,628	11,736 11,536	12,412 12,212	14,175 14,175			132,834 182,936	321,479 362,278	240,734
					sc	(15,135)	5,832	9,237	1,067	6,141	10,010	9,605	36,060	137	(200)	(200)		14,305		50,102	40,799	
			2.2 Powe	r Distribution/Electric Systems			1					1								1		
				r Distribution/Electric Systems Existing Projects																		
SOGR SOGR	ONGOING ONGOING	CTT005 CTT005 CTT005	6540		8 P C	9,903 9,842 (61)	676 737 61	691 691	706 706 -	795 722 (73)	679 752 73	689 689	3,560 3,560	689 689	704 704 -	564 564	600 600	640 640	:	6,117 6,757 640	16,696 17,336 640	11,976
	ONGOING ONGOING FINITE FINITE	CTT005 CTT005		Existing Projects	P	9,842	737			722	752								:	6,757	17,336	11,976
SOGR	ONGOING	CTT005 CTT005 CTT005 CTT005 CTT005	6540	Existing Projects Replace Lighting & Receptacles in Tunnels / Vent Shafts	C B P	9,842 (61) 10,359 10,292	737 61 511 405	691 - 872 447	706 - 637 664	722 (73) 876 856	752 73 614 871	689 151 174	3,560 3,150 3,012	689 150 155	704 - 163 202	564 - 267	600 - -		:	6,757 640 3,463 3,636	17,336 640 14,333	
SOGR SOGR SOGR SOGR	ONGOING FINITE FINITE	CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005	6540 7507 6960	Existing Projects Replace Lighting & Receptacles in Tunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses	0 0 P C 8 P	9,842 (61) 10,359 10,292 (67) 1,683 1,656	737 61 511 405 (106) 110 275	872 447 (425) 336 170	706 - 637 664 27 304 506	722 (73) 876 856 (20) 220 560	752 73 614 871 257 230 549	151 174 23 170 222	3,560 3,150 3,012 (138) 1,260 2,007	150 155 5	704 - 163 202 39 207	564 - 267 267 206	250	640	:	6,757 640 3,463 3,636 173 2,145 2,007	17,336 640 14,333 14,333	14,333
SOGR SOGR SOGR SOGR SOGR	FINITE FINITE FINITE FINITE FINITE FINITE	CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005	6540 7507 6960	Existing Projects Replace Lighting & Receptacles in Tunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses Station Security Lighting Upgrades	9 P C 8 P C 8 P	9,842 (61) 10,359 10,292 (67) 1,683 1,656 (27) 2,548 2,460	737 61 611 405 (106) 110 275 165 70 58	872 447 (425) 336 170 (166) 150	706 - 637 664 27 304 506 202 125	722 (73) 876 856 (20) 220 560 340 125 94	752 73 614 871 257 230 549 319	689 - 151 174 23 170 222 52 80 173	3,560 3,150 3,012 (138) 1,260 2,007 747 610 559	689 - 150 155 5 222 - (222)	704 - 163 202 39 207	564 - 267 267 206	250	640		6,757 640 3,463 3,636 173 2,145 2,007 (138) 610 710	17,336 640 14,333 14,333 - 3,938 3,938	14,333 3,938
SOGR SOGR SOGR SOGR SOGR SOGR	ONGOING FINITE FINITE FINITE FINITE FINITE ONGOING	CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005 CTT005	6540 7507 6960	Existing Projects Replace Lighting & Receptacles in Trunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses Station Security Lighting Upgrades Emergency Lighting - Substations	PC 8PC 8PC 8P	9,842 (61) 10,359 10,292 (67) 1,683 1,656 (27) 2,548 2,460 (88) 6,954 6,978	737 611 611 405 (106) 110 275 165 70 58 (12) 630 686	872 447 (425) 336 170 (166) 150 30 (120)	706 - 637 664 27 304 506 202 125 111 (14)	722 (73) 876 856 (20) 220 560 340 125 94 (31)	752 73 614 871 257 230 549 319 130 151 21	151 174 23 170 222 52 80 173 93	3,560 3,150 3,012 (138) 1,260 2,007 747 610 659 (51)	689 - 150 155 5 222 - (222) - 151 151	704 - 163 202 39 207 - (207) - -	267 267 267 206 - (206)	500 - - - - 250 - (250) - -	640 - - - - - 725		6,757 640 3,463 3,636 173 2,145 2,007 (138) 610 710 100 6,050 6,775	17,336 640 14,333 14,333 3,938 3,938 3,228 3,228 3,228	14,333 3,938 3,228
SOGR SOGR SOGR SOGR SOGR SOGR SOGR SOGR	FINITE FINITE FINITE FINITE FINITE FINITE ONGOING ONGOING	CTT005	6540 7507 6960 6174 6533	Existing Projects Replace Lighting & Receptacles in Trunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses Station Security Lighting Upgrades Emergency Lighting - Substations Subway/Substation Lighting Replacement		9,842 (61) 10,359 10,292 (67) 1,683 1,656 (27) 2,548 2,460 (88) 6,954 6,978 24 7,671 7,601	737 61 511 405 (106) 110 275 165 70 58 (12) 630 686 58	891 	706 - 637 664 27 304 506 202 125 111 (14) 645 645 -	722 (73) 876 856 (20) 220 560 340 125 94 (31) 645 645	752 73 614 871 257 230 549 319 130 151 21 655 655	689 151 174 23 170 222 52 52 670 670 670 620	3,560 3,150 3,012 (138) 1,260 2,007 747 610 559 (51) 3,246 3,245 -	689 - 150 155 5 222 - (222) - 151 151 680 680	704 - 163 202 39 207 - (207) - - - 695 695 -	564 - 267 267 206 - (206) - - - 705 705 -	600 - - - 250 - (250) - - - 725 725	640 - - - - 725 725	:	6,757 640 3,463 3,636 173 2,145 2,007 (138) 610 710 100 6,050 6,775 725 5,510 6,066	17,336 640 14,333 14,333 - 3,938 3,938 3,228 - 13,634 14,439 805 13,761 14,381	14,333 3,938 3,228 8,939
SOGR SOGR SOGR SOGR SOGR SOGR SOGR SOGR	ONGOING FINITE FINITE FINITE FINITE FINITE FINITE ONGOING ONGOING ONGOING ONGOING ONGOING	CTT005	6540 7507 6960 6174 6533 6029	Existing Projects Replace Lighting & Receptacles in Trunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses Station Security Lighting Upgrades Emergency Lighting - Substations Subway/Substation Lighting Replacement Replace Subway Station Breakers		9,842 (10,359 10,292 (67) 1,683 1,656 (27) 2,546 (88) 8,954 2,460 (88) 4,976 2,47,671 7,60	737 61 511 405 (106) 110 225 165 70 58 (12) 630 686 56 58 594 114 630 609	891 872 447 (425) 336 170 (166) 30 (120) 630 - 590 680 90 510 500	706 - 637 664 27 304 506 202 125 111 (14) 645 645 - 600 533 (67) 520 485	722 (73) 876 856 (20) 220 560 340 125 94 (31) 645 - 610 543 (67)	752 73 614 871 257 230 549 319 130 151 21 655 655 610 610	689 - 151 174 23 170 222 52 80 173 93 670 670 - 620 620 520 -	3,560 - 3,012 (138) 1,260 2,007 747 610 559 (51) 3,245 3,245 3,245 4,245 1,930 4,44)	689 150 155 5 222 (222) 151 151 680 - 620 - 200	704 163 202 39 207 (207) 695 695 620 620 300	267 267 267 206 (206) - - - 705 705 - 620 620	600 - - - - (250) - - - (250) - - - - - - - - - - - - - - - - - - -	640 	:	6,757 640 3,463 3,635 173 2,145 2,007 (138) 610 710 100 6,050 6,775 775 775 5,510 6,086 5,76 1,930	17,336 640 14,333 14,333 14,333 3,938 3,938 3,228 3,228 13,634 14,439 805 13,761 14,381 620 8,470 9,970	14,333 3,938 3,228 8,939 9,508
SOGR SOGR SOGR SOGR SOGR SOGR SOGR SOGR	FINITE FINITE FINITE FINITE FINITE ONGOING	CTT005	6540 7507 6960 6174 6533 6029 7681	Existing Projects Replace Lighting & Receptacles in Trunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses Station Security Lighting Upgrades Emergency Lighting - Substations Subway/Substation Lighting Replacement Replace Subway Station Breakers Signal System Back-up Power Supply Rehabilitation		9,842 10,359 10,252 (67) 1,683 1,556 (27) 2,546 2,460 (88) 24 7,671 7,601 (70) 5,986 5,984 6,954 6,954 6,954 6,954 6,954 6,954 6,954 7,661 7,601 7,601 3,716	737 611 405 (106) 110 275 165 70 58 (12) 630 885 58 58 694 114 630 (21) 568	891 - 872 447 (425) 336 170 (166) 150 30 (120) 630 630 - 590 880 90 510 500 (10) 451	706	722 (73) 876 856 (20) 560 340 125 94 (31) 645 845 - 610 543 (67) 390 (10) 401 475	752 73 614 871 257 230 549 319 130 151 21 655 656 - 300 300 300 438 479	689 151 174 23 170 170 222 52 80 173 93 670 - 620 - 300 300 300 - 466 480	3,560 - 3,150 3,012 (138) 1,260 2,007 747 747 610 559 (51) 3,245 3,245 3,245 44) 1,830 1,876 (55) 1,876 (55)	689 - 150 155 5 - 222 - (222) - 151 151 - 680 680 300 300 594 480	704 -163 202 39 207 -(207) - - 695 695 - 620 620 - - 300 300 515 500	564 - 267 267 206 - (206) - - 705 705 - 620 620 - 300 300 506	600 - - - - (250) - - (250) - - - - - - - - - - - - - - - - - - -	649 		6,757 640 3,463 3,636 173 2,145 2,007 (138) 610 710 100 6,050 6,050 6,050 6,086 576 725 1,445 1,320 1,445 4,327 4,866	17,336 640 14,333 14,333 3,938 3,938 3,938 3,228 2,228 14,439 605 13,761 14,381 620 6,646 9,168	14,333 3,938 3,228 8,939 9,508 7,580
SOGR SOGR SOGR SOGR SOGR SOGR SOGR SOGR	FINITE FI	CTT005	6540 7507 6960 6174 6533 6029 7681 7834	Replace Lighting & Receptacles in Trunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses Station Security Lighting Upgrades Emergency Lighting - Substations Subway/Substation Lighting Replacement Replace Subway Station Breakers Signal System Back-up Power Supply Rehabilitation Replace / Rebuild Auxiliary Transformers		9,642 (61) 10,359 10,292 (67) 1,683 1,656 (27) 2,546 (88) 6,974 2,460 (88) 6,974 2,47 7,601 (70) 5,910 5,910 6,937	737 611 405 (106) 110 275 165 70 58 (12) 630 685 58 580 694 114 630 669 (21) 568 18	691 - 872 447 (425) 336 170 (166) 150 30 (120) 630 630 630 630 630 630 630 630	706 - 637 664 27 304 506 202 125 111 (14) 645 645 - 600 533 (67) 520 485 (35) 462 462 - 340	722 (73) 876 856 (20) 220 560 340 125 94 (31) 645 645 643 (67) (10) 290 (10) 401 475 74	752 753 753 614 871 257 230 649 319 130 151 21 655 656 610 610 - 300 300 - 438 479 41 200 302	689 -151 174 23 170 222 52 80 173 93 670 670 670 670 670 670 670 670	3,560 - 3,150 3,012 (138) 1,260 2,007 747 610 559 (51) 3,245 3,245 3,245 3,245 4,44 4,930 1,876 (55) 2,218 2,318 2,318 1,310 1	689 - 150 155 5 222 - (222) - 151 151 580 680 620 - 300 300 300 594 480 (114) 210	704 -163 202 39 207 -(207) 	564 	600 - - - - (250) - - - - - - - - - - - - - - - - - - -	640 		6,757 640 3,653 1733 2,146 2,007 (138) 610 710 100 6,075 725 5,510 6,086 5,086 5,50 4,227 4,866 4,227 4,866 5,39 2,2123 2,538	17,336 640 14,333 14,333 14,333 3,938 3,238 3,228 3,228 3,228 14,439 605 13,761 14,381 6,381 6,391 6,970 9,970 1,500 8,470 9,970 1,500 8,470 9,970 1,500 8,470 9,970 1,500 8,470 9,970 1,500 1,5	14,333 3,938 3,228 8,939 9,508 7,580 5,217
SOGR SOGR SOGR SOGR SOGR SOGR SOGR SOGR	FINITE FINITE FINITE FINITE FINITE FINITE ONGOING	CTT005 CT	6540 7507 6960 6174 6533 6029 7681 7834 7255	Replace Lighting & Receptacles in Trunnels / Vent Shafts Replacement Lighting for Buildings / Garages/Shops/Carhouses Station Security Lighting Upgrades Emergency Lighting - Substations Subway/Substation Lighting Replacement Replace Subway Station Breakers Signal System Back-up Power Supply Rehabilitation Replace / Rebuild Auxiliary Transformers Replace Electrically Operated Isolating Switches and Switchstands	рс врс врс врс врс врс врс врс	9,642 (61) 10,359 10,252 (67) 1,683 1,683 1,686 (27) 2,548 2,460 (88) 6,954 6,974 2,47 7,601 (70) 5,986 76 3,750 3,750 3,750 3,750 3,750 3,750 3,750 3,750 3,750 3,750 3,750 3,851 4	737 611 405 (106) 110 275 165 70 58 (12) 630 688 (12) 630 689 (21) 558 560 694 114 134 135 136 138 138 138 138 138 138 138 138 138 138	691 - 872 447 (425) 336 170 (166) 150 630 630 - 590 680 90 510 500 (10) 451 453 2 333 - 333	706 - 637 684 27 304 506 202 125 5111 (14) 645 - 600 533 (67) 520 485 (35) 462 - 340 - 340 - 520	722 (73) 876 856 (20) 200 340 125 94 (31) 645 645 - 610 543 (67) 300 290 (10) 401 475 74 200 303 103 103 509	752 753 753 614 871 257 239 319 130 151 21 655 655 - 610 610 - 300 300 300 - 438 479 41 202 102 102 102 102 102 103 103 103 103 103 103 103 103 103 103	699 151 174 23 170 222 52 80 173 93 670 670 620 620 620 620 14 468 480 14 210 210 222 222 222 222 222 222	3,560 3,150 3,012 (138) 1,260 2,007 747 610 659 (51) 3,246 - 3,030 2,986 (44) 1,930 1,876 (55) 2,218 2,349 131 1,830 1,876 (55) 2,218 2,349 1,311 1,488 2,552 2,56	689 - 150 155 55 222 - (222) - 151 151 151 560 680 - 620 620 - 20 300 300 594 480 (114) 210 	704 - 163 202 39 207 - (207) 	564 - 267 267 206 - (206) - - - 705 705 705 705 705 705 705 705 705 705	600 	640 		6,757 640 3,635 1733 2,145 2,017 (138) 610 710 100 6,050 6,775 725 5,510 6,086 576 1,930 3,375 1,445 5,394 4,327 4,866 5,394 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 4,327 4,866 5,594 5	17,336 6400 14,333 14,333 14,333 3,938 3,938 3,228 3,228 3,228 13,634 14,439 805 13,761 14,381 620 1,581 620 1,581 620 1,704 7,104 7	14,333 3,938 3,228 8,939 9,508 7,580 5,217

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

APPENDIX B

PROJECT

	_					PROBABLE															APPROVAL
Categor	у Туре	CTT No.	WO#	DESCRIPTION	to 2013	2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	REQUEST
SOGR	ONGOING ONGOING	CTT005 CTT005 CTT005	6804	Subway Track Side Heating Equipment B	8,634	590 961 371	552 2,062 1,510	290 943 653	325 620 295	335 626 291	350 375 25	1,852 4,626 2,774	365 375 10	375 375	390 390	400 400	600 600	-	3,382 6,766 3,384	12,788 16,361 3,573	12,600
SOGR	ONGOING ONGOING	CTT005 CTT005 CTT005	6205	UPS Replacement B	2,385	522 615 93	450 531 81	455 455	465 465	465 465	475 475 -	2,310 2,391 81	475 475	475 475	475 475	475 475 -	475 475	:	4,210 4,766 556	7,291 7,766 475	3,986
SOGR SOGR	ONGOING ONGOING	CTT005 CTT005 CTT005	6129	Shorting Switches B	516	300 471 171	441 433 (8)	451 435 (16)	422 429 7	310 316 6	310 320 10	1,934 1,933 (1)	310 310	320 320	320 320 -	330 330	340 340	-	3,214 3,553 339	4,200 4,540 340	1,855
SOGR	FINITE	CTT005 CTT005 CTT005	6617	Lighting in Open Cut P	617 541 (76)	100 171 71	585 250 (335)	785 1,396 611	1,841 2,772 931	1,900 2,872 972	:	5,111 7,290 2,179	:	:	:	:	÷	-	5,111 7,290 2,179	5,828 8,002 2,174	8,002
SOGR SOGR	ONGOING	CTT005 CTT005 CTT005	6077	Surface Building UPS Retrofit Program P	443 20 (423)	72 495 423	50 50 -	50 50	50 50	50 50	50 50 -	250 250 "	50 50	50 50	50 50 -	60 60	65 65	-	460 525 65	975 1,040 65	615
	ONGOING	CTT005 CTT005 CTT005	6811	New Projects Mobile Generators - Connections B C	:	:	201 201	201 201	201 201	210 210	210 210	1,023 1,023	220 220	220 220	230 230	230 230	240 240	:	2,163 2,163	2,163 2,163	402
				Sub-Total Power Distribution/ Electric Systems SE	75,103	6,714	7,686	7,435	8,332	8,023	5,670	37,146	5,515	5,506	5,232	5,396			58,795	140,612	
				SF SC		8,387 1,673	8,541 855	9,032 1,597	10,118 1,786	10,444 2,421	6,097 427	44,232 7,086	5,865 350	5,843 337	5,829 597	5,684 288	5,986 5,986		73,439 14,644	154,948 14,336	109,151
			2.3 Com	nunications																	
SOGR SOGR	FINITE FINITE	CTT006 CTT006 CTT006	6849	Existing Protects System Security / Safety Upgrades B C C	15,559 14,887 (672)	993 1,250 257	1,650	780 - (780)	808 (808)	768 (768)	531 (531)	4,537 (4,537)	:	:	:	:	:	:	4,537 - (4,537)	21,089 16,137 (4,952)	16,137
SOGR	ONGOING	CTT006 CTT006 CTT006	6003	Video Equipment B P C	1,310 1,103 (207)	248 352 104	250 2,938 2,688	250 1,483 1,233	250 1,335 1,085	255 1,642 1,387	260 791 531	1,265 8,189 6,924	265 472 207	270 611 341	275 802 527	279 815 536	826 826	:	2,354 11,715 9,361	3,912 13,170 9,258	5,876
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6080	Industrial Security Improvements of TTC Properties B P C	5,587 5,435 (152)	365 413 48	1,503 455 (1,048)	1,430 2,384 954	2,435 4,283 1,848	234 2,184 1,950	2,700 2,700	5,602 12,006 6,404	200 200	:	:	:	:	:	5,602 12,206 6,604	11,554 18,054 6,500	18,054
LEGIS LEGIS	FINITE	CTT006 CTT006	7868	Radio Replacement B P C	4,366 1,959 (2,407)	5,147 5,370 223	2,341 3,328 987	2,761 3,348 587	426 732 306	425 729 304	:	5,953 8,137 2,184	:	:	:	:	:	:	5,953 8,137 2,184	15,466 15,466	15,466
SOGR	ONGOING	CTT006 CTT006 CTT006	6246	Voice Recording System Replacement B P C	1,259 1,127 (132)	122 254 132	123 123	125 125	337 337	165 165 -	130 130	880 880 -	130 130	131 131	345 345	169 169	137 137	:	1,655 1,792 137	3,036 3,173 137	1,629
SOGR	ONGOING	CTT006 CTT006 CTT006	6961	Subway Station Fire Alarm Modifications B P C	4,635 4,650 15	490 635 145	507 70 (537)	649 406 (243)	676 712 36	99 683 584	50 50	2,081 1,921 (160)	50 50	50 50	50 50	250 250	250 250	-	2,481 2,571 90	7,606 7,856 250	7,116
SOGR	ONGOING	CTT006 CTT006 CTT006	6962	Building Fire Alarm Upgrades B P C	4,830 5,173 343	1,215 1,351 136	1,928 105 (1,823)	1,325 1,750 425	2,284 2,336 52	2,475 2,500 25	1,329 1,859 530	9,341 8,550 (791)	743 894 151	736 816 80	700 781 81	700 700	700 700	:	12,220 12,441 221	18,265 18,965 700	14,142
SOGR	FINITE	CTT006 CTT006 CTT006	6229	Subway Station PA System B P C	2,550 2,418 (132)	966 777 (189)	936 1,274 338	612 615 3	492 498 6	386 394 8	:	2,426 2,781 355	:	:	:	:	-	:	2,426 2,781 355	5,942 5,976 34	5,976
SOGR	ONGOING	CTT006 CTT006 CTT006	6004	Cable Replacement B P C	1,429 1,283 (146)	798 194 (604)	711 711	733 733	200 200	204 204	207 207 -	2,055 2,055	212 212	215 215	221 221	225 225	750 750	:	2,928 3,678 750	5,155 5,155 -	2,921
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6237	RTU Expansion B P C	2,168 2,237 69	380 341 (39)	387 (387)	395 (395)	432 (432)	443 (443)	:	1,657 (1,657)	:	:	:	:		:	1,657 (1,657)	4,205 2,578 (1,627)	2,578
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6172	Track Level Occupancy Lights B P C	647 317 (330)	329 565 236	484 363 (121)	491 533 42	502 545 43	507 555 48	321 531 210	2,305 2,527 222	234 234	:	:	:	-	:	2,305 2,761 456	3,281 3,643 362	3,643
SOGR	FINITE	CTT006 CTT006 CTT006	6224	FibreOptic Upgrade B P C	201 153 (48)	48 48	:	262 764 502	356 1,100 744	310 951 641	356 1,089 733	1,284 3,904 2,620	202 646 444	:	:	:	:	:	1,486 4,550 3,064	1,687 4,751 3,064	4,751
SOGR	ONGOING ONGOING	CTT006 CTT006 CTT006	6225	Radio System Battery Replacement B P C	235 187 (48)	105 105 -	107 107	110 110	113 113	116 116	120 120 -	566 566	122 122	125 125	127 127	130 130	133 133	:	1,070 1,203 133	1,410 1,495 85	509
SOGR	ONGOING ONGOING	CTT006 CTT006 CTT006	6681	SCADA RTU Upgrades B P C	74 27 (47)	154 201 47	680 2,218 1,538	686 1,972 1,286	518 832 314	516 735 219	520 266 (254)	2,920 6,023 3,103	533 178 (355)	546 180 (366)	563 184 (379)	563 187 (376)	260 260	:	5,125 7,012 1,887	5,353 7,240 1,887	6,251
SOGR SOGR	FINITE	CTT006 CTT006	6198	Garage / Carhouse Public Address & Intercoms B P C	3,500 3,593 93	50 123 73	450 230 (220)	500 902 402	500 886 386	300 300	:	1,450 2,318 868	:	:	:	:		.]	1,450 2,318 868	5,000 6,034 1,034	6,034

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

APPENDIX B

PROJECT

Categor	у Туре	CTT No.	WO#	DESCRIPTION		CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
SOGR SOGR	FINITE	CT1006 CT1006	6336	Subway Radio Antenna System (SRAS) Overhaul	В Р С	:	2,442 395 (2,047)	2,572 2,286 (286)	2,521 2,521	2,531 2,531	2,500 2,540 40	2,428 2,648 220	12,552 12,526 (26)	2,756 2,756	:	:	:	:	-	12,652 15,282 2,730	14,994 15,677 683	15,677
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6379	Passenger Assist Intercom Upgrade (DWA)	B P C	:	146 146	361 361	770 770	781 781	750 750	:	2,662 2,662	:	:	:	:	:	-	2,662 2,662	2,808 2,808	2,808
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6381	PAX Phone Conversion from Bell Canada to TTC system	B P C	:	703 44 (659)	648 122 (526)	1,029 560 (469)	646 646	1,008	-	1,677 2,336 659	:	:	:	:	:	:	1,677 2,336 659	2,380 2,380	2,380
SOGR SOGR	FINITE FINITE	CTT006 CTT006 CTT006	6144	SCADA RTU - Surface Properties	B P C	261 233 (28)	260 272 12	220 236 16	222 222	314 314	:	:	756 772 16	:	:	-	-	:	-	756 772 16	1,277 - 1,277	1,277
SOGR SOGR	ONGOING ONGOING		7724	Emergency Trip System Replacement	B P C	4,893 4,789 (104)	95 204 109	96 125 29	78 97 19	30 30	:	:	174 252 78	289 289	705 705	2,631 2,631	2,643 2,643	2,773 2,773	:	174 9,293 9,119	5,162 14,286 9,124	5,245
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6037	SCADA Master Replacement	8 P C	829 150 (679)	1,571 1,038 (533)	1,449 1,410 (39)	699 1,320 621	1,200 1,200	:	:	2,148 3,930 1,782	:	:	:	:	:	:	2,148 3,930 1,782	4,548 5,118 570	5,118
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6380	McBrien Building Radio Relocation	B P C	:	350 57 (293)	2,500 743 (1,757)	260 2,004 1,744	306 306	:	:	2,760 3,053 293	:	:	:	:	:	:]	2,760 3,053 293	3,110 3,110	3,110
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6378	Transit Centrol ICS and SCADA Integration	В Р С	:	151 89 (62)	210 210	133 195 62	:	:	:	343 405 62	:	:	:	:	:	-	343 405 62	494 494	494
SOGR SOGR	FINITE	CTT006 CTT006	6694	Train Door Monitoring	B P C	1,969 339 (1,630)	3,474 898 (2,576)	6,219 2,848 (3,371)	565 4,522 3,957	3,620 3,620	:	:	6,784 10,990 4,206	:	:	:	:	:	-	6,784 10,990 4,206	12,227 12,227	12,227
SOGR	FINITE	CTT006 CTT006 CTT006	6695	Turnback Locations	в Р С	43 46 3	-	255 252 (3)	220 220	:	:	:	475 472 (3)	:	:	:	:	-	:	475 472 (3)	518 518	518
IMPROV IMPROV	FINITE	CTT006 CTT006	6638	Commuter Parking Lots CCTV	B P C	312 8 (304)	344 294 (50)	:	:	:	:	:	-	:	:	:	:	:	:	-	656 302 (354)	302
SOGR	FINITE	CTT006 CTT006	6241	Fibre Cable to CIS Divisions	8 P C	539 423 (116)	116 116	:	:	:	:	-	:	:	:	:	:	:	:	-	539 539 -	539
SOGR SOGR	FINITE	CTT006 CTT006	6251	Elevator/Escalator Remote Monitoring System	B P C	3,950 4,285 335	1,131 1,305 174	1,324 1,230 (94)	:	:	:	:	1,324 1,230 (94)	:	:		:	:	:	1,324 1,230 (94)	6,405 6,820 415	6,820
IMPROV	FINITE	CTT006 CTT006	6639	Garage CCTV	B P C	571 506 (65)	149 149	:	:	:	:	1	-	:	:	:	:	:	:	:	571 655 84	655
SOGR SOGR	FINITE	CTT006 CTT006	6239	Communication System Security Risk Study and Implementation	B P C	229 157 (72)	105 177 72	39 39	:	:	:	:	39 39	:	:	:	:	:	:	39 39 -	373 373	373
SOGR	FINITE	CTT006 CTT006 CTT006	6377	CCTV In The Yards	B P C	309 224 (85)	627 8 (619)	:	95 - (95)	:	:	:	95 - (95)	:	:	:	· :	:	:	95 (95)	1,031 232 (799)	232
SOGR SOGR	FINITE	CTT006 CTT006	6161	Radio Antenna Modifications	B P C	1,362 782 (580)	580 580	:	:	:	:	:	:	:	:	:	:	:	-	:	1,362 1,362 -	1,362
SOGR	FINITE	CTT006 CTT006 CTT006	6777	New Projects Prince Edward Viaduct Pier Rehabilitation: Cable Replacement	B P C	:	2,162 2,162	770 770	:	:	:	:	770 770	:	:	:	:	:	:	770 770	2,932 2,932	2,932
SOGR SOGR	FINITE	CTT006 CTT006 CTT006	6851	AODA Compliance Upgrades	B P C	:	-	2,224 2,224	3,377 3,377	1,356 1,356	1,155 1,155	:	8,112 8,112	:	:	:	:	:	-	8,112 8,112	8,112 8,112	8,112
				Sub-Total Communications	SB SP SC	63,617 56,491	22,761 19,913	28,050 24,778	17,70 1 30,933	13,955 24,693	10,153 16,611	6,252 10,391	76,111 107,406	2,257 6,183	2,073 2,833	2,281 5,141	2,316 5,119	5,829		85,038 132,511	171,416 208,915	181,264
		2	4 Signal	Systems	30	(7,126)	(2,848)	(3,272)	13,232	10,738	6,458	4,139	31,295	3,926	760	2,860	2,603	5,829		47,473	37,499	
SOGR SOGR	FINITE	CTT142 CTT142 CTT142	7733	<u>Existing Projects</u> YUS ATC Resignalling	B P C	194,257 169,518 (24,739)	87,594 68,373 (19,221)	99,161 78,136 (21,025)	82,201 79,895 (2,306)	82,230 76,114 (6,116)	17,225 53,954 36,729	167 31,226 31,059	280,984 319,325 38,341	5,619 5,619	:	:	:	:	-	280,984 324,944 43,960	562,835 562,835	562,835
SOGR SOGR		CTT142 CTT142 CTT142	6286	Bloor-Danforth ATC Resignalling	B P C	:		500 500	1,500 1,500	14,378 14,178 (200)	32,999 26,799 (6,200)	39,430 29,467 (9,963)	88,807 72,444 (16,363)	45,719 34,977 (10,742)	49,948 36,872 (13,076)	56,213 47,366 (8,847)	60,000 50,938 (9,062)	58,090 58,090	130,778 130,778	300,687 300,687	300,687 431,465 130,778	300,687

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

									9	(\$000's)												PROJECT
Catego	у Туре	CTT No.	W0#	DESCRIPTION	C11 to 20		OBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024		APPROVAL REQUEST
SOGR SOGR	ONGOING	CTT008 CTT008 CTT008	6610	Switch Machine Replacement / Refurbishment		,731 ,061 330	1,147 1,213 66	669 724 55	684 830 146	794 850 56	686 786 100	730 811 81	3,563 4,001 438	680 680	665 665	678 678	695 695	713 713	:	6,281 7,432 1,151	23,159 24,706 1,547	18,828
SOGR SOGR	FINITE	CTT008 CTT008	6616	Subway Signal System Alterations		,251 ,283 32	421 721 300	300 1,012 712	1,447 1,447	1,211 1,211	1,218 1,218	643 643	300 5,531 5,231	:	:	:	:	:	:	300 5,531 5,231	13,972 19,535 5,563	19,535
SOGR SOGR	FINITE	CTT008 CTT008 CTT008	7044	Streetcar Trackswitch & Controllers Rehabilitation & Replacement	P 2	,482 ,314 (168)	1,199 672 (527)	2,421 3,116 695	2,720 2,720	2,786 2,786	3,748 3,748		11,675 12,370 695	:	:	:	:	:	:	11,675 12,370 695	15,356 15,356	15,356
SOGR SOGR	ONGOING ONGOING	CTT008 CTT008 CTT008	6005	Signal Cable Replacement	P 2	359 602 243	456 456 -	471 730 259	480 748 268	493 770 277	494 768 294	506 808 302	2,444 3,844 1,400	519 519	532 532	543 543	557 557	577 577	.:	4,595 6,572 1,977	7,410 9,630 2,220	4,536
SOGR SOGR	FINITE	CTT008 CTT008 CTT008	7729	Replace Signal Instrument Cases	P 1	028 571 457)	465 922 457	296 361 65	271 326 55	253 253	223 223	229 229 -	1,272 1,392 120	235 235	241 241	:	:	:	:	1,748 1,868 120	4,241 4,361 120	4,361
SOGR SOGR	FINITE	CTT008 CTT008 CTT008	7730	Trainstop Replacement	P 14	352 279 (73)	709 782 73	84 498 414	402 402	362 362	364 364	366 366	84 1,992 1,908	:	:	:	:	:	-	84 1,992 1,908	15,145 17,053 1,908	17,053
SOGR SOGR	FINITE	CTT008 CTT008 CTT008	6434	Event Recorder Replacement	B P C	72 72	890 310 (580)	849 564 (285)	175 524 349	516 516	:	:	1,024 1,604 580	:	:	:	:	:	-	1,024 1,604 580	1,986 1,986	1,986
SOGR SOGR	FINITE	CTT008 CTT008 CTT008	6287	Wilson Yard Resignalling	B P C	-	2,023 2,023	400 4,239 3,839	3,600 8,757 5,157	9,000 11,038 2,038	11,000 8,996 (2,004)	12,000 5,972 (6,028)	36,000 39,002 3,002	5,025 (5,025)	:	:	:	:	-	41,025 39,002 (2,023)	41,025 41,025	41,025
SOGR SOGR	FINITE	CTT008 CTT008 CTT008	тво	Signalling of Davisville Yard	B C	:	-	:	1,422 1,422	1,423 1,423	1,400 1,400	1,400 1,400	5,645 5,645	1,395 1,395	:	:	:	:	-	7,040 7,040	7,040 7,040	7,040
SOGR SOGR	FINITE	CTT008 CTT008 CTT008	6615	Continuous Speed Control System	P 50	834 898 064	3,744 1,567 (2,177)	558 2,923 2,365	504 1,410 906	214 214	:	:	1,062 4,547 3,485	:	:	:	:	:		1,062 4,547 3,485	53,640 57,012 3,372	57,012
SOGR	FINITE	CTT008 CTT008 CTT008	6252	Yard Interchange Signal Upgrades	P	578 455 123)	224 224	226 230 4	621 621	:	:	:	226 851 625	:	:	:	:	;	-	226 851 625	1,028 1,530 502	1,530
SOGR	FINITE	CTT008 CTT008 CTT008	6438	SRT Loop Cable and Axle Counter Replacement	P	363 252 111)	144 144	151 262 111	147 147	:	:	-	298 409 111	:	:	:	:	:	-	298 409 111	805 805	805
SOGR SOGR	FINITE FINITE	CTT008 CTT008	6293	Workcar Advanced Warning System	B P C		1,564 131 (1,433)	671 3,638 2,967	:	:	:	:	671 3,638 2,967	:	:	:	:	:	-	671 3,638 2,967	2,235 3,769 1,534	3,769
				Sub-Total Signal Systems	SB 294, SP 271,	307	98,557 77,536	106,757	93,704	111,357	67,775	54,462	434,055	53,573	51,386	57,434 48,587	61,252 52,190	59.360	130,778	657,700 718,487	1,050,564	
					SC (23,		(21,019)	96,933 (9,824)	100,749 7,045	109,715 (1,642)	98,276 30,501	70,922 16,460	476,595 42,540	43,425 (10,148)	38,310 (13,076)		(9,062)		130,778	60,787	1,198,108 147,544	1,056,358
			BUILDING 3.1 Finisi	3S & STRUCTURES 195																		
SOGR SOGR	ONGOING	CTT010 CTT010 CTT010	6963	Annual Programs Roofing Rehabilitation Program	B 48, P 49,		9,929 9,929	12,301 6,254 (6,047)	12,440 13,845 1,405	10,825 13,657 2,832	10,880 12,815 1,935	20,000 19,488 (512)	66,446 66,059 (387)	20,000	20,000	20,501 20,501	10,000	7,941 7,941	-	136,947 144,501 7,554	195,802 203,743 7,941	102,056
SOGR SOGR	ONGOING ONGOING	CTT010 CTT010 CTT010	6964	Masonry Structure Restoration	P 6,	067 261 194	537 387 (150)	570 497 (73)	570 737 167	570 737 167	705 571 (134)	742 571 (171)	3,157 3,113 (44)	562 562	525 525	503 503	500 500	500 500	:	5,247 5,703 456	11,851 12,351 500	8,032
SOGR SOGR	FINITE FINITE	CTT010 CTT010 CTT010	7883	Existing Projects Overhead Doors	P 5,	118 129 (89)	1,277 715 (562)	933 588 (345)	945 1,749 804	1,490 4,054 2,564	665 332 (333)	500 500	4,033 7,223 3,190	:	:	:	:	:	:	4,033 7,223 3,190	10,728 13,267 2,539	13,267
SOGR SOGR	ONGOING ONGOING	CTT010 CTT010 CTT010	6403	Subway Station Ceiling Replacement Program	P	20 4 (16)	40 40	150 76 (74)	220 280 60	270 300 30	300	350 350	1,290 1,306 16	400 400	400 400	350 350	300 300	300 300	:	2,740 3,056 316	2,800 3,100 300	400
SOGR SOGR	ONGOING ONGOING	CTT010 CTT010 CTT010	6405	Station Finish Renewal Program	В Р		250 500 250	250 1,000 750	350 2,000 1,650	900 1,600 700	1,500 500 (1,000)	1,750 500 (1,250)	4,750 5,600 850	400 400	:	:	:	:	44,250 44,250	4,750 6,000 1,250	5,000 50,750 45,750	6,500
IMPROV IMPROV	FINITE	CTT010 CTT010 CTT010	6562	Station Modernization Program	B 29,3 P 33,6 C 4,6	62	6,438 7,638 1,200	4,122 603 (3,519)	1,639 187 (1,452)	900 216 (684)	:	-	6,661 1,006 (5,655)	:	:	:	:	:	:	6,661 1,006 (5,656)	42,306 42,306	42,306
SOGR SOGR	FINITE	CTT010 CTT010 CTT010	6970	New Protects Interchange Station Rehabilitation - Eglinton Crosstown LRT - Study	B P C		:	200 200	:	:	:	-	200 200	:	:	:	:	:	:	200 200	200 200	200

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

										(\$000's)												PROJECT
Category	Туре	CTT No.	WO#	DESCRIPTION		2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
SOGR SOGR	ONGOING ONGOING		Various	3.1 Finishes City Requested Budget Reduction	8 P C	:	:	(10,000)	:	:	:	:	(10,000) 10,000	10,000	10,000)	(10,000)	:	:	:	(40,000) 40,000	(40,000) - 40,000	-
				Sub-Total Finishes		89,638 94,569 4,931	18,471 19,209 738	8,326 9,218 892	16,164 18,798 2,634	14,955 20,564 5,609	14,050 14,518 468	22,842 21,409 (1,433)	76,337 84,507 8,170	10,962 21,362 10,400	10,925 20,925 10,000	11,354 21,354 10,000	10,800 10,800	8,741 8,741	44,250 44,250	120,378 167,689 47,311	228,487 325,717 97,230	172,761
			3.2 Equir	ement																		
SOGR SOGR	ONGOING ONGOING		6912	Annual Programs Subway Escalator Overhaul Program	P	53,678 52,519 (1,159)	6,167 6,621 454	5,884 5,764 (120)	7,762 8,071 309	7,836 9,135 1,299	7,942 9,354 1,412	8,212 9,583 1,371	37,636 41,907 4,271	8,402 9,905 1,503	8,592 9,309 717	8,797 9,252 455	8,999 9,337 338	6,633 6,633		72,426 86,343 13,917	132,271 145,483 13,212	72,975
SOGR SOGR	ONGOING ONGOING	CTT012 CTT012 CTT012	6965	Subway Pump Replacement Program	B P C	8,219 8,762 543	3,350 2,475 (875)	5,104 2,925 (2,179)	3,771 7,873 4,102	2,904 8,626 5,722	11,401 4,759 (6,642)	5,415 5,620 205	28,595 29,803 1,208	5,000 5,620 620	5,000 3,144 (1,856)	4,640 5,000 360	5,000 5,000	5,000 5,000		48,235 53,567 5,332	59,804 64,804 5,000	50,017
LEGIS LEGIS	FINITE	CTT012 CTT012 CTT012	'594X	Existing Projects Fall Prevention Systems	B P C	7,673 7,361 (312)	738 944 206	1,199 623 (576)	739 1,525 786	916 1,115 199	713 759 46	601 746 145	4,158 4,758 600	300 689 389	300 751 451	300 878 578	500 871 371	743 743	223 223	5,568 8,700 3,132	13,979 17,228 3,249	17,005
SOGR	FINITE FINITE	CTT012 CTT012 CTT012	590X	Bus Cleaning Equipment Program	8 P C	5,985 5,944 (41)	:	:	:	151 152 1	3,491 3,531 40	5,014 5,014	8,656 8,697 41	624 624	:	:	:	:	:	9,280 9,321 41	15,265 15,265	15,265
SOGR SOGR	FINITE FINITE	CTT012 CTT012 CTT012	6281	Elevator Overhaul	B P C	5,543 5,166 (377)	1,349 1,555 206	1,365 2,220 855	747 803 56	500 84 (416)	320 (320)	50 50	2,932 3,157 225	210 210	510 510	410 410	:	:	-	2,932 4,287 1,355	9,824 11,008 1,184	11,008
SOGR	FINITE	CTT012 CTT012 CTT012	6050	Bus Hoists (Incl. transfer from 3.9 6091 New Articulated Bus Hoists & N		10,712 10,764 52	5,791 6,250 459	6,365 3,926 (2,439)	8,823 10,773 1,950	11,941 11,786 (155)	6,001 6,234 233	4,039 4,039 -	37,169 36,758 (411)	9,420 9,420	7,928 7,928 -	5,161 5,161	:	:	:	59,678 59,267 (411)	76,181 76,281 100	76,281
SOGR	FINITE	CTT012 CTT012 CTT012	6483	Subway Machine Rooms Air Conditioning Systems	B P C	1,256 768 (488)	939 55 (884)	1,068 1,393 325	1,443 1,442 (1)	1,371 1,301 (70)	1,408 1,311 (97)	1,114 1,383 269	6,404 6,830 426	623 1,166 543	501 701 200	156 359 203	:	:	:	7,684 9,056 1,372	9,879 9,879 -	9,879
SOGR	FINITE	CTT012 CTT012 CTT012	6176	Bus Washracks	B P C	2,692 3,626 934	2,263 1,088 (1,175)	450 140 (310)	1,050 3,551 2,501	1,640 7,160 5,520	1,587 4,145 2,558	1,260 3,578 2,318	5,987 18,574 12,587	1,188 4,125 2,937	1,250 2,075 825	620 (620)	: .	:	-	9,045 24,774 15,729	14,000 29,488 15,488	29,488
SOGR SOGR	ONGOING ONGOING	CTT012 CTT012 CTT012	6181	Escalator Replacement Program	B C	1,500 1,293 (207)	1,546 520 (1,026)	2,075 2,159 84	1,415 2,986 1,571	1,487 1,964 477	1,715 1,892 177	1,941 2,143 202	8,633 11,144 2,511	1,993 1,982 (11)	2,285 2,400 115	2,273 2,273	1,150 1,120 (30)	1,625 1,625	-	16,334 20,544 4,210	19,380 22,357 2,977	8,763
LEGIS LEGIS	FINITE	CTT012 CTT012 CTT012		Diesel Emission Control Equipment	8 P C	703 652 (51)	718 1,000 282	1,196 300 (896)	761 1,799 1,038	250 1,346 1,096	174 174	:	2,207 3,619 1,412	:	:	:	:	:	:	2,207 3,619 1,412	3,628 5,271 1,643	5,271
SOGR	FINITE	CTT012 CTT012 CTT012		Wheel Monitoring System	8 P C	1,336 1,073 (263)	676 939 263	: '	:	-	:	:	:	:	:	:	:	:	:	:	2,012 2,012 -	2,012
SOGR	FINITE	CTT012 CTT012 CTT012	6311	Elevator Controller Replacement Program	B P C	:	1,093	1,114	727 - (727)	892 (892)	974 (974)	-	3,707 (3,707)	:	:	:	:	-	:	3,707 (3,707)	4,800 (4,800)	
	ONGOING ONGOING	CTT012 CTT012 CTT012	Various	3.2 Equipment City Requested Budget Reduction	B P C	:	5,000)	10,000)	5,000	5,000	5,000	(5,000) 5,000	30,000	5,000	5,000	5,000	5,000	:	:	50,000	(55,000) 55,000	
					SP 9	99,297 97,928 (1,369)	19,630 21,447 1,817	15,820 19,450 3,630	22,238 38,823 16,585	24,888 42,669 17,781	30,552 32,159 1,607	22,596 32,156 9,560	116,094 165,257 49,163	22,550 33,741 11,191	20,856 26,818 5,962	16,947 23,333 6,386	10,649 16,328 5,679	14,001 14,001	223 223	187,096 279,478 92,382	306,023 399,076 93,053	297,964
			3.3 Yards	& Roads																		
SOGR SOGR	ONGOING ONGOING	CTT018 CTT018 CTT018	6967	* * * * * * * * * * * * * * * * * * * *	P 2	25,944 28,841 2,897	5,994 5,279 (715)	8,070 7,030 (1,040)	6,382 16,873 10,491	7,150 13,705 6,555	8,655 14,780 6,125	13,833 14,520 687	44,090 66,908 22,818	11,000 16,000 5,000	11,000 16,000 5,000	10,998 15,998 5,000	7,000 12,000 5,000	12,180 12,180	-	84,088 139,086 54,998	116,026 173,206 57,180	83,420
LEGIS LEGIS	FINITE FINITE	CTT015 CTT015 CTT015	6394	<u>Existing Projects</u> Streetcar Network Upgrades for LRV (incl. transfer from 5.4 POP Legacy Infrastructure)	P 1	9,845 12,774 2,929	4,581 6,410 1,829	8,303 2,011 (6,292)	10,935 6,716 (4,219)	17,123 12,515 (4,608)	17,807 13,665 (4,142)	8,663 13,422 4,759	62,831 48,329 (14,502)	1,800 11,544 9,744	:	:	:	:	-	64,631 59,873 (4,758)	79,057 79,057	79,057
	ONGOING ONGOING	CTT064 CTT064 CTT064	6035	TTC Streetcar Shelter Reconstruction	В Р С	225 (225)	231 456 225	237 237	243 243	250 250	257 257	264 264	1,251 1,251	271 271	278 278	286 286	295 295	303 303	:	2.381 2.684 303	2,837 3,140 303	936
EXPAN EXPAN	FINITE	CTT015 CTT015 CTT015	7879	Bus Rapid Transit (BRT) - Spadina Subway to York University/Steeles /		32,962 33,120 156	788 115 (673)	1,000 800 (200)	1,033 1,033	:	:	:	1,000 1,833 833	:	:	:	:	:	3,511 3,511	1,000 1,833 833	34,750 38,579 3,829	35,068

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

									1	(\$000's)												PROJECT
Categor	у Туре	CTT No.	WO #	DESCRIPTION		CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
IMPROV IMPROV	FINITE	CTT064 CTT064 CTT064	6973	Transit Shellers & Loops	B P C	2,283 2,273 (10)	(389) (389)	:	:	:	:	:	:	:	:	:	768 - (768)	1,216 1,216	:	768 1,216 448	3,061 3,100 49	3,100
IMPROV IMPROV		CTT124 CTT124 CTT124	6086	Commuter Parking Expansion - Short Term Impr. Phase 2	B P C	7,514 7,573 59	- 5 5	:	:	:	:	:	:	:	:	:	:	:	:	-	7,514 7,578 64	7,578
				Sub-Total Yards & Ri	ads SB	78,773	11,594	17,610	17,560	24,523	26,719	22,760	109,172	13,071	11,278	11,284	8,063		3 5 1 1	152,868	243,235	
					SP SC	84,581 5,808	11,876 282	10,078 (7,532)	24,865 7,305	26,470 1,947	28,702 1,983	28,206 5,446	118,321 9,149	27,815 14,744	16,278 5,000	16,284 5,000	12,295 4,232	13,699 13,699	3,511	204,692 51,824	304,660 61,425	209,159
			3,4 Bridg	es & Tunnels																		
SOGR SOGR	ONGOING	CTT020 CTT020 CTT020	6974	Annual Programs Structural Paving Rehabilitation Program	В Р С	21,954 22,426 472	4,667 8,075 3,408	7,772 6,317 (1,455)	10,331 9,243 (1,088)	7,000 11,094 4,094	7,000 5,826 (1,174)	8,686 4,429 (4,257)	40,789 36,909 (3,880)	7,000 7,000	7,000 7,000	7,000 7,000	7,000 7,000	7,000 7,000	:	68,789 71,909 3,120	95,410 102,410 7,000	61,614
SOGR SOGR	ONGOING ONGOING		6128	Maintenance of Joint TTC / Toronto Transportation Bridges	B P C	10,973 10,973	5,680 5,597 (83)	4,130 5,030 900	2,000 2,000	2,000 2,000	2,000 2,000	2,000 2,000	4,130 13,030 8,900	750 750	2,179 2,179	2,224 2,224	2,268 2,268	2,327 2,327	:	11,551 22,778 11,227	28,204 39,348 11,144	23,600
SOGR	ONGOING ONGOING	CTT020 CTT020 CTT020	6975	Bridges / Structures Maintenance Program	B P C	57,285 57,738 453	9,055 9,341 286	7,413 7,981 568	7,871 15,366 7,495	7,602 9,956 2,354	7,602 6,165 (1,437)	9,259 5,046 (4,213)	39.747 44,514 4,767	9,260 7,073 (2,187)	9,260 7,600 (1,660)	9,259 7,600 (1,659)	7,600 7,600	7,600 7,600	-	75,126 81,987 6,861	141,466 149,066 7,600	104,326
SOGR SOGR	ONGOING	CTT020 CTT020 CTT020	6123	Tunnel & Station Leak Remediation Program	8 P C	61,171 61,577 406	4,292 4,138 (154)	4,378 5,942 1,564	6,012 5,916 (96)	4,506 6,034 1,528	5,720 6,278 558	5,882 6,403 521	26,498 30,573 4,075	6,039 6,532 493	6,200 6,662 462	6,328 6,796 468	6,454 6,931 477	7,070 7,070	:	51,519 64,564 13,045	116,982 130,279 13,297	77,573
SOGR SOGR	ONGOING	CTT020 CTT020 CTT020	6813	Structure Rehabilitation Program	B P C	82,475 74,558 (7,917)	17,081 8,000 (9,081)	17,545 18,554 1,009	18,077 27,003 8,926	18,450 19,459 1,009	21,460 22,469 1,009	22,060 23,069 1,009	97,592 110,554 12,962	22,680 23,689 1,009	23,292 24,301 1,009	23,774 24,783 1,009	24,259 25,268 1,009	19,657 19,657	:	191,597 228,252 36,655	291,153 310,810 19,657	128,115
SOGR	ONGOING	CTT020 CTT020 CTT020	6581	Prince Edward Viaduct - Beam Replacement	B P C	8,871 8,429 (442)	2,000 2,000 -	2,100 2,244 144	2,300 2,447 147	2,500 2,650 150	2,700 2,853 153	2,781 2,937 156	12,381 13,131 750	2,864 3,023 159	2,941 3,103 162	3,002 3,168 166	3,062 3,231 169	3,314 3,314	:	24,250 28,970 4,720	35,121 39,399 4,278	15,120
SOGR	FINITE FINITE	CTT020 CTT020 CTT020	7888	<u>Existing Projects</u> Precast Tunnel Liner Rehabilitation	B P C	52,240 53,812 1,572	4,913 4,913 -	4,965 6,393 1,428	:	:	:	:	4,965 6,393 1,428	:	:	:	-	:	:	4,965 6,393 1,428	62,118 65,118 3,000	65,118
SOGR SOGR	ONGOING	CTT020 CTT020 CTT020	Various	3.4 Bridges and Tunnels City Requested Budget Reduction	B P C	:	(5,000) 5,000	(10,000)	5,000	(5,000) 5,000	(5,000) 5,000	(5,000) 5,000	(30,000)	(5,000) - 5,000	(5,000) 5,000	(5.000) 5,000	(5,000) 5,000	:	ž.	(50,000) 50,000	(55,000) 55,000	-
				p																		
				Sub-Total Bridges & Turn	SP	294,969 289,513	42,688 42,064	38,303 52,461	39,591 61,975	35,058 51,193	39,482 45,591	43,668 43,884	196,102 255,104	43,593 48,067	45,872 50,845	46,587 51,571	45,643 52,298	46,968		377,797 504,853	715,454 836,430	475,466
			3.9 Buildi	ngs and Structures Projects	SC	(5,456)	(624)	14,158	22,384	16,135	6,109	216	59,002	4,474	4,973	4,984	6,655	46,968		127,056	120,976	
				Existing Projects																		
SOGR SOGR	ONGOING	CTT024 CTT024 CTT024		Fire Ventilation Upgrade	B P C	164,084 167,024 2,940	32,044 32,065 21	27,164 28,926 1,762	10,059 25,377 15,318	8,765 27,345 18,580	9,864 44,980 35,116	9,144 44,443 35,299	64,996 171,071 106,075	6,000 43,019 37,019	6,460 25,306 18,846	7,155 13,059 5,904	14,751 14,751	18,521 18,521	27,733 27,733	84,611 285,727 201,116	280,739 512,549 231,810	352,665
LEGIS	FINITE	CTT028 CTT028 CTT028		Easier Access Phase III	B P C	173,842 177,505 3,663	21,986 22,552 566	32,555 26,316 (6,239)	41,348 43,263 1,915	47,218 49,007 1,789	42,635 55,886 13,251	25 49,291 48,266	163,781 222,763 58,982	40,620 40,620	46,855 46,855	47,393 47,393	42,696 42,696	31,515 31,515	22,564 22,564	153,781 431,842 268,061	359,609 654,463 294,854	631,899
EXPAN EXPAN	FINITE	CTT035 CTT035 CTT035		Sheppard Subway - Yonge to Don Mills	B C	965,150 965,150	3,706) (3,706)	3,706 3,706	:	:	:	:	3,706 3,706	:	:	:	:	:	:	3,706 3,706	968,856 968,856 -	968,856
SOGR	FINITE	CTT109 CTT109 CTT109		Mount Dennis Bus Garage	B P C	95,286 95,206 (80)	200 280 80	:	:		:	-	-	:	:	:	:	:	:	-	95,486 95,486	95,486
SOGR	FINITE	CTT115 CTT115 CTT115		Birchmount Bus Garage Repair Bay Modifications	B P C	23,155 22,860 (295)	295 295		:	:	:	:	-	:	:	:	÷	:	:	:	23,155 23,155	23,155
SOGR SOGR	FINITE	CTT116 CTT116 CTT115		Queensway Bus Garage Renovations	8	22,125 22,055 (70)	650 634 (16)	1,451 787 (664)	750 750	:	:	:	1,451 1,537 86	:	:	:	:	-	:	1,451 1,537 86	24,226 24,226	24,226
IMPROV	FINITE	CTT130 CTT130 CTT130		Kipling Station Improvements -East Entrance and PPUDO	B C	13,367 12,568 (819)	819 819	:	:	:	:	:	:	:	:	:	:	:	:	:	13,387 13,387	13,387
IMPROV	FINITE	CTT131 CTT131 CTT131	552x	Islington Station Improvements	B P C	3,477 3,477	5	:	:	: ,	:	:	:	:	:	:	:	:	:	-	3,477 3,482 5	3,482

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$0.00(c))

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Category	Type	CTT No.	WO#	DESCRIPTION	-	CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	PROJECT APPROVAL REQUEST
SOGR SOGR	FINITE FINITE	CTT144 CTT144 CTT144		Wilson Complex - Modifications for the Toronto Rocket	B P C	93,629 93,802 173	1,694 175 (1,519)	425 425	921 921	:	2018	2019	1,346 1,346	-	:	-	-	-	-	1,346 1,346	95,323 95,323	95,323
SOGR SOGR	FINITE	CTT145 CTT145 CTT145	6339	Lestie Barns (formerly Ashbridges Bay M&SF)	B P C	188,127 206,399 18,272	133,324 133,324	127,669 115,500 (12,169)	47,502 45,499 (2,003)	3,000	2,900 2,900	:	175,171 166,899 (8,272)	. :	:	:	:	:	:	175,171 166,899 (8,272)	496,622 506,622 10,000	506,622
SOGR SOGR	FINITE	CTT146 CTT146 CTT146	6659		8 P C	31,686 33,767 2,081	38,563 36,849 (1,714)	79,746 34,398 (45,348)	81,286 69,296 (11,990)	46,627 54,856 8,229	48,512 77,805 29,293	97,098 102,996 5,898	353,269 339,351 (13,918)	53,411 53,411	43,013 43,013	:	:	:	470,915 470,915	353,269 435,775 82,506	423,518 977,306 553,788	506,391
EXPAN	FINITE	CTT148 CTT148 CTT148	6078	McNicoll New Bus Garage *	B P C	300 616 316	2,000 2,500 500	5,000 537 (4,463)	20,000 4,000 (16,000)	35,000 36,100 1,100	17,700 49,247 31,547	47,000 47,000	77,700 136,884 59,184	41,000 41,000	:	:	:		:	77,700 177,884 100,184	80,000 181,000 101,000	181,000
SOGR	ONGOING ONGOING	CTT110 CTT110 CTT110	6097	LRV Carhouse Facility Renewal Program	B P C	21,868 26,349 4,481	8,018 6,025 (1,993)	9,158 4,430 (4,728)	18,348 8,063 (10,285)	18,435 14,535 (3,900)	4,673 13,885 9,212	2,662 9,913 7,251	53,276 50,826 (2,450)	438 500 62	500 500	300 500 200	500 500	500 500	-	55,014 53,326 (1,688)	84,900 85,700 800	62,515
SOGR	ONGOING	CTT110 CTT110 CTT110	6525	Subway Ventilation Shaft Grating System Replacement	B P C	1,027 392 (635)	238 759 521	242 577 335	247 725 478	252 505 253	259 563 304	264 518 254	1,264 2,886 1,624	269 527 258	276 585 309	542 542	550 550	607 607	:	1,809 5,699 3,890	3,074 6,850 3,776	2,453
SOGR SOGR	FINITE	CTT110 CTT110 CTT110	6505	Industrial Facility Requirements	8 P C	2,425 2,585 160	1,665 2,165 500	1,261 694 (567)	1,424 1,331 (93)	170 170	170 170	170 170 -	3,195 2,535 (660)	170 170	170 170	170 170 -	170 170 -	170 170	13,892 13,892	3,875 3,385 (490)	7,965 22,027 14,062	8,135
IMPROV IMPROV	ONGOING ONGOING	CTT110 CTT110 CTT110	7873	Office Space Management/Renewal Program	В Р С	18,795 18,815 20	2,586 2,586	2,577 2,077 (500)	1,200 2,438 1,238	2,135 1,365 (770)	820 831 11	850 1,359 509	7,582 8,070 488	850 1,539 689	850 330 (520)	850 330 (520)	700 543 (157)	700 700	-	10,832 11,512 680	32,213 32,913 700	29,471
SOGR	ONGOING ONGOING	CTT110 CTT110 CTT110	6194	Building Facility Renewal Program	B P C	5,655 5,521 (134)	225 804 579	897 207 (690)	280 2,554 2,274	280 2,241 1,961	280 1,720 1,440	280 450 170	2,017 7,172 5,155	280 280	370 370	356 356 -	350 350 -	350 350	:	3,373 8,878 5,505	9,253 15,203 5,950	12,657
SOGR	ONGOING ONGOING	CTT110 CTT110 CTT110	6195	Bus Garage/Shops Facility Renewal Program	B P C	17,000 16,862 (138)	995 1,153 158	1,989 877 (1,112)	2,000 3,796 1,796	1,805 2,791 986	2,190 3,245 1,055	1,910 4,405 2,495	9,894 15,114 5,220	3,317 3,837 520	2,440 3,430 990	2,080 1,610 (470)	830 250 (580)	800 800	:	18,561 25,041 6,480	36,556 43,056 6,500	23,888
SOGR	ONGOING	CTT110 CTT110 CTT110	6196	Subway Carhouse / Shop Facility Renewal Program	B P C	22,391 23,566 1,175	2,200 1,723 (477)	2,541 984 (1,557)	2,929 3,116 187	3,788 3,465 (323)	2,539 3,448 909	750 900 150	12,547 11,913 (634)	696 -	675 675	26 26	500 436 (64)	500 500	:	14,444 14,246 (198)	39,035 39,535 500	29,389
SOGR SOGR	ONGOING ONGOING	CTT110 CTT110 CTT110	6197	Subway Facility Renewal Program	8 P C	9,339 9,198 (141)	557 657 100	1,227 1,280 53	1,899 4,265 2,366	1,442 6,601 5,159	350 13,743 13,393	475 12,697 12,222	5,393 38,586 33,193	475 7,497 7,022	450 2,772 2,322	250 2,573 2,323	250 2,573 2,323	3,894 3,894	:	6,818 57,895 51,077	16,714 67,750 51,036	50,047
SOGR SOGR	FINITE	CTT110 CTT110 CTT110	6648	Duncan Shop - Ventilation Upgrade	8 P C	1,085 1,141 56	600 444 (156)	300 (300)	2,100 3,320 1,220	4,000 5,220 1,220	4,000 5,220 1,220	4,000 5,570 1,570	14,700 19,630 4,930	6,861 7,891 1,030	:	:	:	:	:	21,561 27,521 5,960	23,246 29,106 5,860	29,106
SCGR SOGR	FINITE	CTT110 CTT110 CTT110	6661	Skylights Replacement Project	B P C	1,081 976 (105)	400 548 148	5,101 250 (4,851)	4,091 676 (3,415)	2,482	:	:	11,674 926 (10,748)	:	:	:	:	:	:	11,674 926 (10,748)	13,155 2,450 (10,705)	2,450
SOGR SOGR	FINITE FINITE	CTT110 CTT110 CTT110	6670	Revenue Operations Facility	B P C	6,884 7,394 510	5,285 2,063 (3,222)	6,008 1,289 (4,719)	2,741 6,480 3,739	1,575 8,200 6,625	1,500 7,468 5,968	4,581 4,581	11,824 28,018 16,194	475 475	:	:	:	:	:	11,824 28,493 16,669	23,993 37,950 13,957	37,950
SOGR	FINITE	CTT110 CTT110 CTT110	6110	Fire Main Replacement	B P C	1,265 1,094 (171)	335 506 171	2,214 245 (1,969)	4,086 3,814 (272)	4,400 5,002 602	4,678 4,678	5,250 5,250	10,700 18,989 8,289	4,550 4,550	:	:	:	:	:	10,700 23,539 12,839	12,300 25,139 12,839	25,139
SOGR	FINITE	CTT110 CTT110 CTT110	6115	Wilson iTS/TC Back-up Centres (formerly 1900 Yonge Computer Room Relocation and incl.Transit Backup Control Centre)	B P C	1,525 976 (549)	3,661 251 (3,410)	3,918 500 (3,418)	596 1,500 904	2,200 5,000 2,800	8,900 8,000 (900)	6,549 6,549	15,614 21,549 5,935	4,648 4,648	:	:	:	:	:	15,614 26,197 10,583	20,800 27,424 6,624	27,424
SOGR	FINITE	CTT110 CTT110 CTT110	6149	Retrofit of Carhouse and Shop Traction Power Pendent System - Davisville/Greenwood	B P C	486 457 (29)	687 687	3,947 1,167 (2,780)	4,354 4,810 456	4,820 4,653 (167)	4,856 4,120 (736)	4,850 4,606 (244)	22,827 19,356 (3,471)	3,500 3,500	:	:	:	<i>.</i>	:	22,827 22,856 29	24,000 24,000 -	24,000
SOGR SOGR	FINITE	CTT110 CTT110 CTT110	TBD	Replacement of Halon Protection Systems	8 P C	:	:	:	:	148 148	410 410 -	410 410	968 968 -	565 565	424 424 -	424 424 -	424 424	:	:	2,805 2,805	2,805 2,805 -	2,805
SOGR SOGR	FINITE	CTT110 CTT110 CTT110	6406	Emergency Backup Power Systems	B P C	:	50 50	750 100 (650)	650 700 50	675 700 25	675 650 (25)	600 600	2,750 2,750	:	:	:	:	:	:	2,750 2,750	2,800 2,800	2,800
SOGR SOGR	FINITE FINITE	CTT110 CTT110 CTT110	6282	Wheel-Trans Facility Renewal Program	8 P C	10,130 9,868 (262)	170 282 112	2,932 133 (2,799)	575 3,414 2,839	462 572 110	:	:	3,969 4,119 150	:	:	:	:	:	-	3,969 4,119 150	14,269 14,269	14,269
SOGR	FINITE	CTT110 CTT110 CTT110	6398	Surface Way Buildings Replacement	8 P C	2,673 3,198 525	250 250	4,919 150 (4,769)	4,000 10,000 6,000	4,381 17,400 13,019	4,000 7,762 3,762	:	17,300 35,312 18,012	:	:	:	:	:	-	17,300 35,312 18,012	20,223 38,760 18,537	38,760
LEGIS		CTT110 CTT110 CTT110	6676	AODA Facility Modifications Study	B P C	:	-	35 - (35)	270 (270)	:	:	:	305	-	:	:	:	:	-	305 (305)	305 (305)	

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING

FOR PR	ESENTA	ATION TO	THE	BOARD FEBRUARY 02, 2015						PROGRA (\$000's)	M AND PI	ROJECT	DETAILED	LISTING	2					AFFEN	DIX B	
Category	Туре	CTT No.	WO#	. DESCRIPTION		CITY o 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	PROJECT APPROVAL REQUEST
SOGR	FINITE FINITE	CTT110 CTT110 CTT110	7233	Electrical Substation Upgrade and Leak Remediation	B P C	2,877 2,732 (145)	293 1,129 836	365 323 (42)	481 764 283	 664 664	125 125	:	846 1,876 1,030	:	:	:	:	:	:	846 1,876 1,030	4,016 5,737 1,721	5,737
IMPROV IMPROV	FINITE	CTT110 CTT110 CTT110	6207	Bus Facility Modifications - Hybrid Buses	B C	2,824 2,820 (4)	150 74 (76)	600 165 (435)	515 515	:	:	:	600 680 80	:	• :	:	:	:	-	600 680 80	3,574 3,574	3,574
SOGR SOGR	FINITE	CTT110 CTT110 CTT110	6597	Collector Booth Renewal Program	В Р С	1,179 753 (426)	697 50 (647)	200 200	1,675 1,675	:	:	:	1,875 1,875	:	:	:	:	-	:	1,875 1,875	1,876 2,678 802	2,678
SOGR	FINITE	CTT110 CTT110 CTT110	7256	McBrien Building Renovations	8 P C	4,448 4,421 (27)	126 100 (26)	221 248 27	287 287	:	:	:	508 535 27	:	:	:	:	:	:	508 535 27	5,082 5,056 (26)	5,056
IMPROV	FINITE	CTT110 CTT110 CTT110	6662	End Of Line Cleaning	B C	135 148 13	200 199 (1)	1,365 400 (965)	1,935 1,935	1,414 1,414	:	:	1,365 3,749 2,384	:	:	:	:	:	:	1,365 3,749 2,384	1,700 4,096 2,396	4,096
SOGR	FINITE	CTT110 CTT110 CTT110	6653	CNE Streetcar Loop Barrier	B P C	200 420 220	350 350	2,950 295 (2,655)	300 4,235 3,935	2,000 2,000	:	:	3,250 6,530 3,280	:	:	:	:	:	:	3,250 6,530 3,280	3,800 7,300 3,500	7,300
EXPAN EXPAN	FINITE	CTT110 CTT110 CTT110	6407	Building Extensions for New Articulated Hoists	B P C	:	100 60 (40)	400 50 (350)	340 340	50 50	:	:	400 440 40	:	:	:	:	:	:	400 440 40	500 500	500
EXPAN EXPAN	FINITE	CTT110 CTT110 CTT110	6675	Relief Line Study	B P C	2,528 1,162 (1,365)	1,500 1,075 (425)	2,468 2,468	530 530	:	:	:	2,998 2,998	:	:	:	:	:	:	2,998 2,998	4,028 5,235 1,207	5,235
EXPAN EXPAN	FINITE	CTT110 CTT110 CTT110	6334	Yonge North Subway Extension - Conceptual Design Stage 1	B P C	2,954 1,513 (1,441)	3,759 3,759	500 500	:	:	:	:	500 500	:	:	:	:	` .	:	500 500	2,954 5,772 2,818	5,772
SOGR	FINITE	CTT110 CTT110 CTT110	6175	Patten Building Modifications	8 C	5,693 5,674 (19)	50 17 (33)	:	:	:	:	:	-	:	:	:	:	:	-	:	5,743 5,691 (52)	5,691
SOGR	FINITE	CTT110 CTT110 CTT110	6202	Gas Detection Systems	B C	5,959 5,710 (249)	499 499	:	:	:	:	:	-	:	:	:	2,700 (2,700)	:	-	2,700 (2,700)	8,659 6,209 (2,450)	6,209
SOGR	FINITE	CTT110 CTT110 CTT110	6204	Scarborough Centre Station - New Control Area Equipment	B P C	1,256 1,225 (31)	31 31	:	:	:	:		-	:	. :	:	:	:	:	:	1,256 1,256	1,256
SOGR	FINITE	CTT110 CTT110 CTT110		Design and Install/ Replace Parts Domes	B P C	602 233 (369)	436 855 419	:	:	:	:	•	-	*	:	:	:	:	-	:	1,038 1,088 50	1,088
SOGR	FINITE	CTT110 CTT110 CTT110	6395	Victoria Park Bus Terminal Replacement	B C	36,213 35,953 (260)	260 260	:	:	:	:	:	:	:	:	:	:	:	-	:	36,213 36,213	36,213
LEGIS	FINITE	CTT110 CTT110 CTT110		Subway Asbestos Decontamination Facility	B P C	3,907 3,621 (286)	786 786	:	:	:	:	:	:	:	•	:	:	:	-	-	3,907 4,407 500	4,407
IMPROV IMPROV SOGR	FINITE	CTT110 CTT110 CTT110		Lawrence-Allen Revitalization Project Study	B P C	302 279 (23)	3	:	-	:	:	:	=	:	:	:	:	:	-	:	302 282 (20)	282
SOGR	FINITE	CTT110 CTT110 CTT110		Collector Booth Security Improvements Purchase of Property for Overhead Wiring Section	8 C	3,660 3,068 (592)	592 592 5,000	-	:	:	:	-	-	:	:	:	:		:	:	3,660 3,660 - 5,000	3,660
SOGR	FINITE	CTT110 CTT110		New Projects Yonge - Bioor Capacity Improvements Conceptual Design & Alignmen	P C	500	5,000	-	:	:	:	:		:	:	:	:	:	:		5,000	5,000
MPROV	FINITE	CTT110 CTT110		Wilson Garage Ventilation Upgrades	C	329 (171)	121 (379)	550 550	5,000 5,000	:	:	:	5,550 5,550	:	:	-	:	-	:	5,550 5,550	6,000 5,000	6,000
SOGR	FINITE	CTT110 CTT110		Backflow Preventers (formerly included with 3.9 Building Facility Ren	P C ev 8	610 104 580	379 (267)	530 530	705 705	6,763 6,763	7,556 , 7,556	7,656 7,656	23,210 23,210	10,056 10,056	16,894 16,894	:	:	:	:	50,160 50,160	51,149 49,997	51,149
LEGIS	FINITE	CTT110 CTT110		Station Capacity Study for Increased Passenger Demand	C B	588	390 134	400 273	1,740 1,740	2,657 2,657	2,929 2,929	3,188 3,188	10,914	2,913 2,913	2,640 2,640	2,722 2,722	2,625 2,625	2,671 2,671	5,909 5,909	24,485 24,358	31,372 30,409	25,463
SOGR	FINITE	CTT110 CTT110		Platform Edge Doors Study	P C B	:	-	300 300	:	:	:	-	300	:	:	:	:	Ž	:	300	300 300	300
IMPROV	FINITE	CTT110 CTT110		• · · · · · · · · · · · · · · · · · · ·	P C	:	-	500 500	500 500	•	-	:	1,000 1,000	-	:	:	:	:	:	1,000 1,000	1,000	1,000

	BUDGET SENTATIO			ARD FEBRUARY 02, 2015					Ē				ION 2015-2 AILED LIS		AL BUDGE	<u>:T</u>				АР	PENDIX	В
Category	Туре	CTT No.	WO #	DESCRIPTION		CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	CITY Approv Reque
IMPROV IMPROV	FINITE	CTT110 CTT110 CTT110	6969	Union Station New Platform	B P C	= = =	= = =	4,600 4,600	- 6,400 6,400	= = =	-	-	- 11,000 11,000	-	- - -	- - -	- -	-	-	- 11,000 11,000	- 11,000 11,000	11,
SOGR SOGR	ONGOING ONGOING	CTT110 CTT110 CTT110	Various	3.9 Building and Structures City Requested Budget Reduction	B P C	- - -	- - -	(10,000) - 10,000	- - -	- - -	-		(10,000) - 10,000	-	- - -	- - -	-	-	-	(10,000) - 10,000	(10,000) - 10,000	
				Sub-Total Buildings & Structures Projec	cts SB SP SC	1,974,200 2,000,080 25,880	272,393 266,180 (6,213)	319,929 237,384 (82,545)	253,053 274,734 21,681	191,060 262,424 71,364	154,333 317,341 163,008	122,888 311,552 188,664	1,041,263 1,403,435 362,172	19,921 227,694 207,773	12,615 143,964 131,349	11,611 69,705 58,094	6,424 65,868 59,444	- 60,228 60,228	541,013 541,013	1,091,834 1,970,894 879,060	3,338,427 4,778,167 1,439,740	4,024,4
				E <u>VEHICLES</u> thase of Buses Existing Projects																		
SOGR SOGR	FINITE FINITE	CTT111 CTT111 CTT111	6572	Purchase of 153 Nova LFS Low Floor Artic 60ft Diesel Buses	B P C	10,267 9,192 (1,075)	126,422 122,989 (3,433)	- - -	- - -	- - -	-	-		-	-	- - -	-	-	-		136,689 132,181 (4,508)	132,1
SOGR SOGR	FINITE FINITE	CTT111 CTT111 CTT111	6274	Purchase of 55 Low Floor 40ft Diesel Buses	B P C	- - -	- - -	35,917 32,983 (2,934)		- - -	-	-	35,917 32,983 (2,934)	-	-	- - -	-	-	-	35,917 32,983 (2,934)	35,917 32,983 (2,934)	32,9
SOGR SOGR	FINITE FINITE	CTT111 CTT111 CTT111	TBD	Purchase of 375 Low Floor 40ft Diesel Buses	B P C	- - -	- - -	- - -	30,993 62,592 31,599	46,506 71,631 25,125	59,607 59,607	- 62,088 62,088	77,499 255,918 178,419	-	-	- - -	-	-	-	77,499 255,918 178,419	77,499 255,918 178,419	255,9
SOGR SOGR	FINITE FINITE	CTT111 CTT111 CTT111	TBD	Purchase of 380 Low Floor 40ft Diesel Buses	B P C	- - -	- - -	- - -	- - -	- - -	- - -			61,211 61,211	- 60,125 60,125	63,001 63,001	- 65,979 65,979	69,098 69,098	-	319,414 319,414	319,414 319,414	319,4
IMPROV IMPROV	FINITE	CTT111 CTT111 CTT111	TBD	Board Approved Initiative to Improve Service Purchase of 50 Low Floor 40ft Diesei Buses for Customer Service Initiatives	B P C	= = -	- -	- 13,936 13,936	- 13,598 13,598	= = -	- - -	-	- 27,534 27,534	-	- - -	- - -	- - -	- -	-	27,534 27,534	- 27,534 27,534	27,5
IMPROV IMPROV	FINITE FINITE	CTT111 CTT111 CTT111	TBD	Purchase of 99 Low Floor 40ft Diesel Buses for Customer Service hillatives	B P C	- - -	- - -	- - -	- - -	2,678 2,678	- 17,531 17,531	- 18,261 18,261	38,470 38,470	- 22,954 22,954	20,042 20,042	- 7,882 7,882	-	-	-	- 89,348 89,348	- 89,348 89,348	89,3
				Wheel Trans																		
SOGR SOGR	FINITE FINITE	CTT045 CTT045 CTT045	6556	Purchase of 201 Wheel-Trans Buses	B P C	64,200 62,992 (1,208)	- 8 8	= = =	- - -	- - -		-	- - -	- - -	-	-	- - -	-	-		64,200 63,000 (1,200)	63,0
SOGR SOGR	FINITE FINITE	CTT045 CTT045 CTT045	TBD	Purchase of 201 Future Wheel-Trans Buses	B P C	- - -	- - -	- - -	- - -	- - -	5,023 13,900 8,877	18,461 23,600 5,139	23,484 37,500 14,016	29,683 14,400 (15,283)	26,000 26,000	24,912 22,400 (2,512)	-	-	-	78,079 100,300 22,221	78,079 100,300 22,221	100,3

oook		CTT111			c	-	-	-	-	-	-	-	-	61,211	60,125	63,001	65,979	69,098	-	319,414	319,414	010,414
IMPROV IMPROV	FINITE FINITE	CTT111 CTT111	TBD	Board Approved Initiative to Improve Service Purchase of 50 Low Floor 40ft Diesel Buses for Customer Service Initiatives	B P	-	-	- 13,936	- 13,598	= =	-	-	- 27,534	= =	-	= =	= =	=	-	- 27,534	- 27,534	27,534
		CTT111			С	-	-	13,936	13,598	-	-	-	27,534	-	-	-	-	-	-	27,534	27,534	I
MPROV MPROV	FINITE	CTT111 CTT111 CTT111	TBD	Purchase of 99 Low Floor 40ft Diesel Buses for Customer Service Initiatives	B P C	-	-	- - -	-	2,678 2,678	17,531 17,531	18,261 18,261	38,470 38,470	22,954 22,954	20,042 20,042	7,882 7,882	-	-	-	89,348 89,348	89,348 89,348	89,348
				Wheel Trans																		İ
SOGR SOGR	FINITE FINITE	CTT045 CTT045 CTT045	6556	Purchase of 201 Wheel-Trans Buses	B P C	64,200 62,992 (1,208)	- 8 8	- - -	- - -	- - -	- - -	-	- - -	= = =	- - -	-	- - -	-		- - -	64,200 63,000 (1,200)	63,000
SOGR SOGR	FINITE FINITE	CTT045 CTT045 CTT045	TBD	Purchase of 201 Future Wheel-Trans Buses	B P C	- - -	- - -	- - -	- - -	- - -	5,023 13,900 8,877	18,461 23,600 5,139	23,484 37,500 14,016	29,683 14,400 (15,283)	26,000 26,000	24,912 22,400 (2,512)	- - -	-		78,079 100,300 22,221	78,079 100,300 22,221	100,300
				Sub-Total Purchase of Buse	es SB	74.467	126.422	35,917	30,993	46.506	5,023	18.461	244.861	29.683	-	24,912	-	-	-	191.495	392.384	I
					SP SC	72,184 (2,283)	122,997	46,919 11.002	76,190 45,197	74,309 27,803	91,038 86.015	103,949 85,488	411,453 166,592	98,565 68.882	106,167 106,167	93,283 68,371	65,979 65,979	69,098 69,098	-	825,497 634.002	1,020,678 628,294	1,020,678
SOGR SOGR	FINITE FINITE	CTT046 CTT046		asse of Subway Cars Existing Projects Purchase of 234 New Subway Cars (H4 & H5 Replacement & Growth)	B P	639,149 626,916	6,900 15,133	3,776 7,776	- -	- -	- -	-	3,776 7,776	-	- -	- -	- -	-	-	3,776 7,776	649,825 649,825	649,825
SOGR SOGR	FINITE FINITE	CTT046 CTT046 CTT046	6002	Replacement of 126 H6 Subway Cars	C B P	(12,233) 273,431 234,531	8,233 10,972 46,014	4,000 4,122 6,280	6,428 8,128	= = =	- -	-	4,000 10,550 14,408	- - -	- - -	-	- - -	-	-	4,000 10,550 14,408	294,953 294,953	294,953
		CTT046			С	(38,900)	35,042	2,158	1,700	-	-	-	3,858	-	=	-	=	-	-	3,858	=	1
SOGR SOGR	FINITE	CTT046 CTT046 CTT046	6278	Purchase of 60 New Subway Cars (Ridership Growth and ATC)	B P C	-	38,481 64,750 26,269	166,147 137,025 (29,122)	2,233 15,028 12,795	22,909 10,367 (12,542)	-		191,289 162,420 (28,869)	- - -	-	- - -	- - -	-	-	191,289 162,420 (28,869)	229,770 227,170 (2,600)	227,170
SOGR SOGR	FINITE	CTT046 CTT046 CTT046	TBD	Purchase of 372 New Subway Cars (T1 Replacement)	B P C	-	- - -	- - -	- - -	- - -	249 249	524 524	- 773 773	- 584 584	1,523 1,523	- 293,407 293,407	161,569 161,569	158,376 158,376	1,120,906 1,120,906	616,232 616,232	1,737,138 1,737,138	616,232
				Sub-Total Purchase of Subway Cal		912,580	56,353	174,045	8,661	22,909	-	-	205,615	-	-	-	-	-	-	205,615	1,174,548	
					SP SC	861,447 (51,133)	125,897 69,544	151,081 (22,964)	23,156 14,495	10,367	249 249	524 524	185,377 (20,238)	584 584	1,523 1,523	293,407 293,407	161,569 161,569	158,376 158,376	1,120,906 1,120,906	800,836 595,221	2,909,086 1,734,538	1,788,180
			4.13 Bus (<u>Overhaul</u>		(01,100)	00,044	(22,004)	14,450	(12,042)	2-10	OL4	(20,200)	004	1,020	250,407	101,000	100,070	1,120,000	OOO,EET	1,104,000	
	ONGOING	CTT112	6668	Annual Programs Orion VII Diesel & Nova Artic Bus Rebuild Program	В	44,993	52,475	46,743	48,639	74,556	64,950	65,733	300,621	31,744	37,389	27,503	44,508			441,765	539,233	i
SOGR			0000	Cricii vii Diodei a riota viito Dab riobaid i Tograffi	P	45,660	45,897	40,267	48,079	69,884	57,305	47,170	262,705	35,094	24,714	40,646	41,182	40,365	-	444,706	536,263	179,903

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

									,	4000 01												PROJECT
Category	Туре	CTT No.	Wo#	DESCRIPTION		CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024		APPROVAL REQUEST
SOGR SOGR	FINITE FINITE	CTT112 CTT112 CTT112	6709	<u>New Protects</u> WT Friendly Bus Rebuild Program	B P C	:	-	800 800	2,010 2,010	2,170 2,170	2,220 2,220	1,700 1,700	8,900 8,900	:	:	:	:	:	-	8,900 8,900	8,900 8,900	8,900
LEGIS LEGIS	FINITE	CTT112 CTT112 CTT112	6710	AODA Requirements - TTC Buses	B P C	:	- 65 65	1,200 1,200	4,200 4,200	335 335	:	:	5,735 5,735	:	:	:	:	:	-	5,735 5,735	5,800 5,800	5,800
SOGR SOGR	ONGOING ONGOING	CTT112 CTT112 CTT112	6013	Replacement of Orion VII Hybrid Bus Components	B P C	:	:	13,359 13,359	20,767 20,767	19,567 19,567	20,054 20,054	11,193 11,193	84,940 84,940	7,138 7,138	12,790 12,790	17,216 17,216	16,646 16,646	20,270 20,270	:	159,000 159,000	159,000 159,000	34,126
				Sub-Total Bus Overh	ard SB	44.993	52,475	46 743	48 639	74 556	64 950	65,733	300.621	31 744	37 389	27.503	44 508			441,765	539,233	
					SP	45,660	45,962	55,626	75,056	91,956	79,579	60,063	362,280	42,232		57,862	57,828			618,341	709,963	228,729
			4.14 SRT	Car Overhaul Existing Projects	SC	667	(6,513)	8,883	26,417	17,400	14,629	(5,670)	61,659	10,488	115	30,359	13,320	60,635	~	176,576	170,730	
SOGR SOGR	FINITE FINITE	CTT049 CTT049 CTT049	6058	SRT Life Extension Overhaul	8 p C	6,870 6,712 (158)	1,922 2,412 490	:	:	:	:	-	:	:	:	:	:	:	-	:	8,792 9,124 332	9,124
				Sub-Total SRT Car Overha	aul SB SP	6,870 6,712	1,922														8,792 9,124	9,124
					SC SC	(158)	490					:				<u> </u>					332	9,124
			4.15 Stre	otcar Overhaul																		
SOGR SOGR	FINITE FINITE	CTT050 CTT050 CTT050	6036	Existing Projects Overhaul of 196 Canadian Light Rail Vehicles (CLRVs)	В Р С	55,109 55,668 559	4,019 6,606 2,587	:	:	:	:	:			:	:	:	:	:	-	59,128 62,274 3,146	62,274
SOGR SOGR	FINITE FINITE	CTT050 CTT050 CTT050	TBD	New LRVs Overhaul	B P C	:	:	:	:	:	:	:	:	515 (515)	1,345 257 (1,088)	4,937 1,120 (3,817)	5,036 3,854 (1,182)	5,097 5,097	20,242 20,242	11,833 10,328 (1,505)	11,833 30,570 18,737	10,328
LEGIS LEGIS	ONGOING	CTT050 CTT050 CTT050		Now Projects AODA Requirements - Streetcars	BPC	:	:	3,204 3,204	410 410	410 410	410 410	410 410	4,844 4,844	410 410	410 410	410 410	410 410	2,869 2,869	:	9,353 9,353	9,353 9,353	3,614
SOGR SOGR	FINITE	CTT050 CTT050 CTT050	6367	Life Extension Overhaul of 30 Articulated Light Rail Vehicles (ALRV	/s) B P C	:	1,014	5,114 5,114	9,772 9,772	8,614 8,614	:	-	23,500 23,500	633 633	649 649	:	:	:		24,782 24,782	25,796 25,796	25,796
				Sub-Total Streetcer Overha	ul SB	55,109	4,019							515	1,345	4,937	5,036			11,833	70,961	
					SP SC	55,668 559	7,620 3,601	8,318 8,318	10,182 10,182	9,024 9,024	410 410	410 410	28,344 28,344	1,043 528	1,316 (29)	1,530 (3,407)	4,264 (772)	7,966 7,966	20,242 20,242	44,463 32,630	127,993 57,032	102,012
			4.16 Subv	ray Car Overhaul																		
SOGR SOGR	FINITE	CTT051 CTT051		<u>Existing Projects</u> T1 Subway Cars - 15 Year Overhaul	В	34,843 22,163	27,867 20,782	23,710 25,429	21,970 25,245	11,359 26 130	:	:	57,039 76,804	:					_	57,039 76,804	119,749 119,749	119,749
SOGR	FINITE	CTT051	6318	T1 Subway Cars - 20 Year Overhaul	Б	(12,680)	(7,085)	1,719	3,275 260	14,771 4,717	9,823	10,062	19,765 24,882	10,344	10,611	5,354	:	:	:	19,765 51,171	51,171	
SOGR	FINITE	CTT051 CTT051	6130	TR Subway Cars - 7 Year Overhaul	P C B	-	:	500 500	1,389	4,217 (500) 3,977	9,823	3,924	13,164	10,344	4.030	5,354 4.084	;	:	:	51,171	51,171	51,171
SOGR	FINITE	CTT051 CTT051			P C	:	270 270	492 492	1,255 (134)	1,898 (2,079)	5,141 1,267	7,023 3,099	15,809 2,645	6,741 2,745	5,864 1,834	4,203 119	:	:	:	32,617 7,343	32,887 7,613	32,687
SOGR SOGR	FINITE	CTT051 CTT051 CTT051	TBD	TR Subway Cars - 14 Year Overhaul	B C	:		:	-	:	:	:		:	:	660 660	7,700 7,700	7,854 7,854	62,986 62,985	8,360 16,214 7,854	8,360 79,200 70,840	16,214
SOGR	FINITE	CTT051 CTT051 CTT051	TBD	T1 Subway Cars - 25 Year Overhaul	8 P C	:	:	:	:	:	:	:	:	:	:	2,300 2,300	4,440 4,440	4,600 4,600	11,606 11,606	6,740 11,340 4,600	6,740 22,946 16,206	11,340
SOGR SOGR	FINITE	CTT051 CTT051 CTT051	6261	Train Door Monitoring System - T1 & TR	8 P C	:	5,000 2,086 (2,914)	6,610 6,610	33,029 33,029	14,750 14,750	:	:	54,389 54,389	:	:	:	:	:	:	54,389 54,389	5,000 56,475 51,475	56,475
SOGR SOGR	FINITE	CTT051 CTT051 CTT051	6333	<u>New Projects</u> T1 CCTV Camera System	8 P C	:	-	142 142	2,015 2,015	2,382 2,382	2,397 2,397	378 378	7,314 7,314	:	:	:	:	:	-	7,314 7,314	7,314 7,314	7,314

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

									(\$000's)												PROJECT
Categor	у Туре	CTT No.	WO#	DESCRIPTION	CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
SOGR	FINITE FINITE	CTT051 CTT051 CTT051	6337	T1 Pre-Boarding Announcement System		:	2,020 2,020	1,980 1,980	:	:	• :	4,000 4,000	:	:	:	:	:	-	4,000 4,000	4,000 4,000	4,000
				Sub-Total Subway Car Overhaul S	8 34,84 P 22,16	3 32,867 3 23,138	23,710 35,193	23,619 63,784	20,053 49,377	13,697 17,361	13,986 17,463	95,065 183,178	14,340 17,085	14,641 16,475	12,398 12,517	12,140 12,140	12,454	74,592	148,584 253,849	216,294 373,742	
				\$) (9,729)	11,483	40,165	29,324	3,664	3,477	88,113		1,834	12,517	12,140	12,454	74,592	105,265	157,448	299,150
				thase of Streetcars																	
SOGR	FINITE	CTT122 CTT122 CTT122	6437	Purchase of 204 Light Rail Vehicles (LRVs)	440,14	74,672	141,613 134,546 (7,067)	117,219 116,901 (318)	125,603 126,439 836	109,029 125,547 16,518	55,481 125,450 69,969	548,945 628,683 79,938	42,804 42,804		:	:	:	-	548,945 671,687 122,742	1,186,503 1,186,503	1,186,503
SOGR	FINITE	CTT122 CTT122 CTT122	6269	Purchase of 60 Light Rail vehicles (LRVs) for Ridership Growth	_	:	52,755 52,755	:	:	•	:	52,755 52,755	198,776 198,776	107,636 107,636	7,161 7,161	:	:	-	366,328 366,328	366,328 366,328	366,328
				Sub-Total Purchase of Streetcars St			141,613	117,219	125,603	109,029	55,481	548,945							548,945	1,186,503	
							187,301 45,688	116,901 (318)	126,439 836	125,547 16,518	125,450 69,969	681,638 132,693	241,580 241,580	107,636 107,636	7,161 7,161				1,038,015 489,070	1,552,83 1 366,328	1,552,831
			NON-RE	<u>'ENUE VEHICLES</u> hase Automotive Non-Revenue Vehicles															,		
SOGR SOGR	ONGOING	CTT052 CTT052 CTT052	Various	Existing Projects Automotive Non-Revenue Vehicles Purchase - Additions P C		1,441	525 3,798 3,273	300 1,560 1,260	:	590 590	:	825 5,948 5,123	:	:	:	:	:	:	825 5,948 5,123	3,483 7,393 3,910	6,803
SOGR SOGR	ONGOING	CTT052 CTT052 CTT052	Various	Automotive Non-Revenue Vehicles Purchase - Replacements P	520	3,802	3,837 8,945 5,108	5,690 5,055 (635)	2,926 3,637 711	242 2,230 1,988	1,884 2,237 353	14,579 22,104 7,525	1,884 3,277 1,393	1,864 6,505 4,621	1,884 3,974 2,090	1,884 5,757 3,873	1,964 1,964	:	22,115 43,581 21,466	32,753 47,903 15,150	18,322
				Sub-Total Purchase Automotive Non-Revenue Vehicles SE	1,123		4,362	5,990	2.926	242	1.884	15.404	1.884	1.884	1.884	1.884			22.940	36.236	
				SF			12,743 8.381	6,615 625	3,637 711	2,820 2,578	2,237 353	28,052 12,648	3,277 1,393	6,505 4,621	3,974 2,090	5,757 3,873	1,964		49,529 26,589	55,296 19,060	25,125
			4.22 Rail	Non-Revenue Vehicle Overhaul			·/////////////////////////////////////														
SOGR SOGR	ONGOING	CTT053 CTT053 CTT053	7744	Existing Protects Workcar Overhaul Program B C	3,131 3,129 (2	308	469 469	448 448 -	458 458	458 468	482 482 -	2,325 2,325	492 492	501 501	513 513	523 523	534 534	:	4,354 4,888 534	7,793 8,325 532	4,354
SOGR	FINITE	CTT053 CTT053 CTT053	6055	Replace H-1 Equipment B P C	250	481 829) 348	481 697 216	483 483	475 475 -	:	:	1,439 1,655 216	:	:	:	:	:	:	1,439 1,655 216	2,630 2,734 104	2,734
SOGR SOGR	FINITE FINITE	CTT053 CTT053 CTT053	TBD	Replace H1 Trucks B P C	:	:		31 31	118 118	121 121	124 124 -	363 394 31	127 96 (31)	:	:	:	:	-	490 490 -	490 490 -	490
SOGR SOGR	FINITE	CTT053 CTT053 CTT053	6056	Rebuild RT 41 Tie Tamper B P C	942 70 (872	80	655 2,572 1,917	:	:	:	-	655 2,572 1,917	:	:	:	:	:	-	655 2,572 1,917	2,722 2,722 -	2,722
SOGR	FINITE	CTT053 CTT053 CTT053	6836	Rebuild RT19/20 as Puller / Utility Cars B P C	:	1,000	1,000	:	:	:	. :	1,000 1,000	:	:	:	:	:	-	1,000	2,000 2,000	2,000
SOGR SOGR		CTT053 CTT053 CTT053	6848	New Protects Upgrade H4 Workcars to ECAM P C	-	:	310 310	1,170 1,170	1,170 1,170	1,170 1,170	1,170 1,170	4,990 4,990	1,170 1,170	1,170 1,170	1,170 1,170	1,170 1,170	880 880	-	10,550 10,550	10,550 10,550	10,550
				Sub-Total Rail Non-Revenus Vehicle Overhaul SB SP	4,783 3,449	2,914 2,217	2,605 5,048	931 2.132	1,051	589 1.759	606 1.776	5,782 12,936	619 1.758	501 1.671	513 1.683	523 1.693	1.414	- :	7,938 21,155	15,635 26,821	22,850
				SC			2,443	1,201	1,170	1,170	1,170	7,154	1,139	1,170	1,170	1,170	1,414		13,217	11,186	22,000
			4.23 Purci	ase Rail Non-Revenue Vehicles														ĺ		I	
				Existing Projects								-						1		l	
IMPROV IMPROV	FINITE	CTT054 CTT054 CTT054		Geometric/NDT Track Inspection Workcar B P C	:	:	144 144 -	3,798 3,798	:	:	:	3,942 3,942	:	:	:	:	:	:	3,942 3,942	3,942 3,942	3,942
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	TBD	Replace RT 7 Locomotive B P C	:	-	:	:	471 471 -	4,240 4,240	:	4,711 4,711	*	:	:	:	:	:	4,711 4,711	4,711 4,711	4,711

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

									(\$000's)												nno iror
Categor	Туре	CTT No.	WO#	DESCRIPTION	CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	PROJECT APPROVAL REQUEST
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	TBD	Replace RT 16 & 17 Tunnel Washer B	:	:	:	:	:	236 236	2,592 2,592	2,628 2,828 -	2,356 2,356	-	:	:	:	·	5,184 5,184	5,184 5,184	5,184
SOGR	FINITE FINITE	CTT054 CTT054 CTT054	6837	Oual Cab Electric Flatcar - Communication B	:	204 204	1,500 1,296 (204)	:	:	:	:	1,500 1,296 (204)	:	:	:	:	:	:	1,500 1,296 (204)	1,500 1,500	1,500
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	6838	Spot Tamper B	:	10 10	450 859 409	:	•,	:	:	450 859 409	:	:	:	:	:	:	450 859 409	450 869 419	869
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	6971	C	:	:	250 250	1,500 1,500	1,500 1,250 (250)	:	:	3,000 3,000	:	:	:	٠:	:	:	3,000 3,000 ~	3,000 3,000	3,000
SOGR SOGR	FINITE	CTT054 CTT054 CTT054		Replace RT-43/44 and RT-14/15 B	1,267 932 (335	1,075 1,410) 335	649 649	151 151	:	:	:	800 800	:	:	:	:	:	:	800 800	2,342 3,142 800	3,142
IMPROV IMPROV	FINITE	CTT054 CTT054 CTT054		Electric Combination Flatcars - Structures (3) P C	2,418 2,304 (114	6 6	:	:	:	:	-	:	:	=	:	:	:	:	:	2,418 2,310 (108)	2,310
IMPROV IMPROV	FINITE	CTT054 CTT054 CTT054	6497	Vacuum Workear B P C	2,028 2,038 10	(6) (6)	:	:	:	:	:	:	:	:	:	:	:	:	-	2,028 2,032 4	2,032
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	6972	New Projects Skid-Mounted Vacuum Unit P C	:	:	200 200	:	:		:	200 200	:	:	:	:	ï	:	200 200	200 200	200
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	6981	Paper Vacuum Workcar 8 P	:	-	2,400 2,400	3,600 3,600	:	:	-	6,000 6,000	:	:	:	:	:	:	6,000 6,000	6,000 6,000	6,000
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	6982	Vacuum Excavator B P C	:	-	1,198 1,198	3,500 3,500	2,302 2,302	:	-	7,000 7,000	:	:	:	:	:	:	7,000 7,000	7,000 7,000	7,000
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	6983	Production Tamper B P C	:	-	24 24	3,400 3,400	576 576	:		4,000 4,000	:	:	:	:	:	:	4,000 4,000	4,600 4,000	4,000
SOGR	FINITE	CTT054 CTT054 CTT054		Crane Flatcar (2) B P C C	:	:	507 507	2,300 2,300	393 393	:	:	3,200 3,200	:	:	:	-	:	-	3,200 3,200	3,200 3,200	3,200
SOGR SOGR	FINITE	CTT054 CTT054 CTT054	6985	Auxiliary Power Unit (APU) for RT-74 (1) B P C	:	:	200 200		:		:	200 200	:	:	:	:	:	-	200 200	200 200	200
				Sub-Total Purchase Rail Non-Revenue Vehicles SB SP	5,713 5,274	1,075 1,624	2,094 7,727	5,298 18,249	1,971 4,992	4,476 4,476	2,592 2,592	16,431 38,036	2,356 2,356						18,787 40,392	25,575 47,290	47,290
				SC	(439)	549	5,633	12,951	3,021			21,605							21,605	21,715	
				S, MACHINERY & EQUIPMENT Equipment																	
SOGR SOGR	ONGOING ONGOING	CTT055 CTT055 CTT055	6547	Annual Programs Bus Maintenance Bus Maintenance & Shops Department - Shop Equipment B C C	2,867 1,866 (1,001)	2,896 1,856 (1,040)	1,339 3,592 2,253	1,462 2,146 684	1,314 1,101 (213)	1,282 1,256 (26)	1,292 1,363 71	6,689 9,458 2,769	1,292 1,141 (151)	1,292 1,170 (122)	1,292 1,199 (93)	1,291 1,229 (62)	1,260 1,260	:	11,856 15,457 3,601	17,619 19,179 1,560	9,460
SOGR SOGR	ONGOING ONGOING	CTT055 CTT055 CTT055	6552	Rall Cars & Shops Street Car Carhouse Shop Equipment B P C	771 387 (384)	490 592 102	93 820 727	93 93	103 103	113 113	123 123	525 1,252 727	123 123	123 123	123 123	125 125	125 125	:	1,019 1,871 852	2,280 2,850 570	1,892
	ONGOING	CTT055 CTT055 CTT055	6623	Greenwood Shop/Subway/SRT Car Carhouse Shop Equipment β ρ C	2,906 1,624 (1,282)	400 1,900 1,500	500 1,372 872	537 537	596 596	606 606	616 616	2,855 3,727 872	616 616	616 616	616 616	631 631	640 640	:	5,334 6,846 1,512	8,640 10,370 1,730	5,433
	ONGOING	CTT055 CTT055 CTT055	6627	Vehicle Engineering - Rubber Tired Shop Equipment B Vehicle Engineering Rubber Tire Shop Equipment B P C	821 209 (612)	1,912 523 (1,389)	645 2,010 1,365	645 713 68	463 574 111	382 1,352 970	502 502	2,637 5,151 2,514	471 471	370 390 20	471 471	471 471	471 471	:	4,420 7,425 3,005	7,153 8,157 1,004	3,455
	ONGOING ONGOING	CTT055 CTT055 CTT055	6978	Miscellaneous 5.1 Materials Management - Warehouse & Material Handling Equipmer B P C	2,721 2,473 (248)	380 326 (54)	36 726 690	37 877 840	426 507 81	198 199 1	203 205 2	900 2,514 1,614	161 211 50	202 42 (160)	43 43 -	44 44 -	45 45	:	1,350 2,899 1,549	4,451 5,698 1,247	4,402

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

										(\$000's)												PROJECT
Categor	у Туре	CTT No.	Wo#	DESCRIPTION	····	CITY P to 2013	ROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
IMPROV IMPROV		CTT055 CTT055 CTT055	6429	Vigil Vanguard Drivet Training Program	В Р С	666 602 (64)	66 66	:	:	:	:	:		:	:	:	:	:	-	:	666 668 2	668
				Sub-Total Shop Equipment & Major T	ocis SB SP	10,752 7,161	6,078 5,263	2,613 8,520	2,774 4.366	2,902 2,881	2,581 3,526	2,736 2,809	13,606 22,102	2,663 2,562	2,603 2,341	2,545 2,452	2,562 2,500	2,541		23,979 34,498	40,809 46,922	25,310
					SC	(3,591)	(815)	5,907	1,592	(21)	945	73	8,496	(101)	(262)	(93)	(62)	2,541		10,519	6,113	20,310
			5.2 Rove	ug & Fare Handling Equipment																		
SOGR SOGR	ONGOING	CTT056 CTT056 CTT056	7737	Existing Projects Turnstile Replacement	8 P C	2,751 2,736 (15)	3,275 982 (2,293)	1,720 4,126 2,406	1,765 1,765	1,829 1,829	1,938 1,938	1,849 1,977 128	9,101 11,635 2,534	1,960 2,085 125	2,078 2,100 22	2,203 2,108 (95)	2,335 2,115 (220)	1,598 1,598	-	17,677 21,641 3,964	23,703 25,359 1,656	9,609
SOGR SOGR	ONGOING ONGOING	CTT056 CTT056 CTT056	6025	Revenue and Fare Handling Equipment	8 P C	1,895 1,124 (771)	499 518 19	75 990 915	75 75	75 75	75 75	250 250	550 1,465 915	250 250	250 250	250 250	250 250	250 250	:	1,550 2,715 1,165	3,944 4,357 413	2,707
EXPAN EXPAN	FINITE	CTT056 CTT056 CTT056	6612	Revenue Operations Business Continuity	8 P C	-	(600)	800 800	:	:		:	000 008	:	:	:	:	:	:	800 800	600 800 200	800
SOGR	FINITE	CTT056 CTT056 CTT056	7576	Vending Machine Project	В Р С	9,568 9,092 (476)	807 1,565 758	:	:	:	:	:	:	:	:	:	:	:	:	:	10,375 10,657 282	10,657
				Sub-Total Revenue & Fare Handling Equipm	nent SB SP	14,214 12,952	5,181 3,065	1,795 5,916	1,840 1,840	1,904	2,013 2,013	2,099 2,227	9,651 13,900	2,210 2,335	2,328 2,350	2,453 2,358	2,585 2,365	1,848		19,227 25,156	38,622 41,173	23,773
					SC	(1,262)	(2,116)	4,121				128	4,249	125	22	(95)	(220)	1,845		5,929	2,551	
			5.3 Other	Maintenance Equipment																		
SOGR SOGR	ONGOING ONGOING	CTT113 CTT113 CTT113	6170	Annual Programs Plant Maintenance Department Equipment	B P C	1,140 904 (236)	664 900 236	615 615	605 605	600 600	600 600	600 -	3,020 3,020 -	600 -	600 600	600	600 -	600	:	5,420 6,020 600	7,224 7,824 600	3,024
SOGR SOGR	ONGOING ONGOING	CTT113 CTT113 CTT113	6190	Subway Infrastructure Department Equipment	9 C	1,604 987 (617)	4,450 1,667 (2,783)	268 5,150 4,862	282 282 -	282 282	282 282	282 282 -	1,396 6,278 4,882	282 282	282 282	282 282 -	282 282	282 282	:	2,524 7,688 5,164	8,578 10,342 1,764	8,086
SOGR	ONGOING	CTT113 CTT113 CTT113	6165	Streetoar Maintenance Department Equipment	B P C	654 3 (651)	775 1,426 651	138 5,633 5,495	138 138 -	138 138	138 138	138 138 -	690 6,185 5,495	138 138	138 138	138 138 -	138 138	138 138	:	1,242 6,875 5,633	2,671 8,304 5,633	7,200
SOGR SOGR	ONGOING ONGOING	CTT113 CTT113 CTT113	New	<u>New Projects</u> Other Maintenance Equipment	B P C	:	-	110 110	90 90	50 50	50 50	50 50	350 350	50 50	50 50	50 50	50 50	50 50	:	600	600 600	200
SOGR SOGR	ONGOING ONGOING	CTT113 CTT113 CTT113	New	Station Services Equipment	B P C	:	155 155	171 171	337 337	92 92	155 155	81 81	836 836	83 83	- 84 84	143 143	- 88 88	90 90	:	1,324 1,324	1,479 1,479	663
			-	Sub-Total Other Maintenance Equipme	nt SB	3,398	5,889	1,021	1,025	1,020	1.020	1,020	5,106	1,020	1,020	1,020	1,020			9,186	18,473	
					SP SC	1,894 (1,504)	4,148 (1,741)	11,679 10,658	1,452 427	1,162 142	1,225 205	1,151	16,669 11,563	1,153 133	1,154 134	1,213 193	1,158 138	1,160 1,160		22,507 13,321	28,549 10,076	19,173
			5.4 FARE	SYSTEM																		
EXPAN EXPAN	FINITE	CTT141 CTT141 CTT141	6385	TTC-PRESTO Project	В Р С	10,828 8,365 (2,463)	8,100 6,000 (2,100)	10,900 9,625 (1,275)	10,560 10,365 (195)	6,600 7,665 1,065	4,678 4,678		28,060 32,333 4,273	:	:	:	:	:		28,060 32,333 4,273	46,988 46,698 (290)	46,698
SOGRS SOGRS	FINITE	CTT141 CTT141 CTT141	6388	POP Legacy Fare Collection	В Р С	1,355 15 (1,340)	1,230 1,749 519	1,230 1,177 (53)	1,185 823 (362)	643 643	593 593		2,415 3,236 821	:	:	:	:	:	:	2,415 3,236 821	5,000 5,000	5,000
			1	Sub-Total Other Fare system Equipme:	nt SB	12,183	9,330	12,130	11,745	6,600			30,475							30,475	51,988	
					SP SC	8,380 (3,803)	7,749 (1,581)	10,802 (1,328)	11,188 (557)	8,308 1,708	5,271 5,271		35,569 5,094			-				35,569 5,094	51,698 (290)	51,698
				IENTAL ISSUES Imental Programs																		
		CTT058 CTT058 CTT058	6142	<u>Existina Projects</u> Subway Asbestos Removal Program	В Р С	41,674 38,151 (3,523)	3,110 2,738 (372)	2,794 4,950 2,156	3,015 4,845 1,830	3,078 4,942 1,864	2,288 5,142 2,854	2,352 5,246 2,894	13,527 25,125 11,598	2,418 5,349 2,931	2,483 5,463 2,980	2,996 5,565 2,569	3,056 5,676 2,620	5,790 5,790	-	24,480 52,968 28,488	69,264 93,857 24,593	50,684

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

APPENDIX B

387,812 61,580

613,467

PROJECT CITY PROBABLE APPROVAL Category Type CTT No. WO# DESCRIPTION 2015 2016 2017 2018 2019 2015-2019 2020 2021 2022 2023 2024 POST 2024 2015-2024 EFC REQUEST to 2013 2014 CTT058 CTT058 6567 Garage Subsurface Remediation Program 12,918 17,513 17,513 1.374 LEGIS FINITE 3 449 1.157 3.708 4 292 10.968 **CTT058** (98) (232) (1,385) (622) (697) (2,008) 4,042 (870) 350 425 425 330 CTT058 7236 Storage Tank Replacements 1,625 2,600 3,734 2,000 44,733 LEGIS FINITE CTT058 16,153 1.546 2.340 6.305 8.559 7.070 620 24.894 1,640 500 44,733 CTT058 4.825 (1.380) (1.600) 10.000 10.000 Sub-Total Environmental Programs SB 92,920 6.240 5.676 156 103 112,930 COMPUTER EQUIPMENT & SOFTWARE 7.1 IT Systems / Infrastructure 7.10 Service and Program Management Various 7.10 Service & Program Management FINITE 4,750 10,800 5,300 2,938 1,903 1,535 300 3,300 8,300 SOGR FINITE CTT061 1,973 925 3,025 1,550 8,500 14 675 10,800 5,300 4.750 1.800 300 37.625 40.523 40,523 300 Various 7.11 Financial Management 12,681 1,050 SOGR FINITE CTT061 12 157 624 324 850 200 1.050 13 831 13 831 CTT061 (524) 300 400 400 CTT061 TBD 7.11A SAP - ERP Implementation Program 1,000 3,000 21,394 18,905 11,454 7,661 7,661 62,414 SOGR FINITE CTT061 1,000 3.000 21,394 18,905 11,454 62.414 62,414 63,414 63.414 CTT061 7.12 Supply Chain Management
Various 7.12 Supply Chain Management 28,751 310 67 CTT061 SOGR FINITE 28 872 310 456 766 766 29.705 29 705 CTT061 (243) (146) 456 310 310 188 7.13 Risk Management Various 7.13 Risk Management FINITE CTT061 SOGR 3.050 2,260 1.390 150 300 50 7.450 789 (1,471) 1,915 525 245 (55) 50 50 4,289 SOGR CTTOS1 200 150 50 6,622 6,622 (1,506)1,429 2,099 7.14 Customer Management
Various 7.14 Customer Management SOCR FINITE CTT061 SOGR 5,175 16,935 10,112 2,017 4,600 2,400 16,935 29,064 CTT061 (474) 1.082 3 267 5,175 4,600 2 400 15 442 15 442 16.050 7.15 Service delivery Management
Various 7.15 Service Delivery Management 11,962 12,137 CTT061 12,046 11,615 SOGR FINITE CTT061 92.879 13.374 15.463 12.423 11.425 9.745 10.091 59.147 10.925 12.375 12,775 119.934 226.187 165.400 CTT061 (4,525) 1,567 3,612 2,237 1,380 385 (1,955) 5,659 (2,027) 175 1.825 12.575 18,967 16,009 TBD 7.15A CAD/AVL System 1,000 4,000 30,000 30,000 30,000 SOGR FINITE CTT061 1.000 4,000 30.000 30.000 30.000 94.000 94,000 95,000 95,000 CTT061 7.16 Human Resources Management Various 7.16 Human Resource Management 2,524 1,176 1,320 1,320 SOCR FINITE CTT061 2 645 576 510 340 1 799 5,020 5,020 CTT061 (600 (371) 510 340 479 7.17 Information Management
Various 7.17 Information Management CTT061 70 10,770 SOGR FINITE 8.063 7.755 6.548 3.467 10.250 150 300 6,532 3,720 253 2,652 2,577 SOGR FINITE CTT061 532 472 13 866 26,746 26,746 (70) 7.19 Asset Management SOGR FINITE CTT061 Various 7.19 Asset Management 31.874 3.615 4.477 CTT061 2,048 8,209 3,287 32,068 1,490 42,325 3,129 2,684 (887) 1.490 3 287 194 1.914 SOGR CTT061 CTT061 FINITE TBD SMS Work Order System SOGR FINITE 1.000 2.000 2.000 5.000 10.000 15.000 CTT061 1,000 2,000 2.000 5.000 10.000 5.000 15,000 15,000 7.2 Other Dept. IT Projects 1,856 1,690 SOGR CNGOING CTT061 6945 CADD Hardware & Software 255 408 153 243 256 13 315 402 333 325 333 3,272 2,763 253 280 1,600 (166) 146 87 343 592 SOGR ONGOING CTT061 CTT061 CTT061 6312 Operations Computer Infrastructure 3,430 2,577 1,125 658 658 4,528 776 776 894 894 850 850 750 750 7,798 8,653 3.628 1.125 660 820 4.603 8.472 1.340 14.660 780 29,292 250,797 32,774 293,103 3,482 42,306 Sub-Total Corporate Systems SB

73 368

58,071

82,517 14,857

192,851

32,804 (2,089)

46,373

27,884 18,706 2,835 (125)

18,358

15.713

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

APPENDIX B

PROJECT

Category	Toma	CTT No.	WO #	DESCRIPTION	CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
Category	турв	CITNO.	140 #	DESCRIPTION	10 2013	2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	F031 2024	2010-2024	EFG	REQUEST
			OTHER																		
				niture & Office Equipment																	
SOGR	ONGOING	CTT062	6979	Annual Programs Graphic Services Equipment Replacement	B 1,537	95	567	97	370	236	149	1,409	557	295	103	255			2,619	4,251	
SOGR	ONGOING	CTT062 CTT062	0373		P 1,427	627	557 282	97	370	236	149	1,134	557	295	103	255	95 95		2,439 (180)	4,493 242	
SOGR	ONGOING		60.46	Furniture & Office Equipment	C (110) B 674		(275)			-		(275) 579	-	130	134	137	93	-	1,106	1,887	
SOGR	ONGOING	CTT062	0940		P 579	107 107	109 109	112 112	116 116	119 119	123 123	579	126 126	130	134	137	140 140		1,246	1,932	907
		CTT062		· · · · · · · · · · · · · · · · · · ·	C (95)	-	-	•	•	-				-	•	•	140	-	140	40	
				Sub-Total Other - Furniture & Office Equipment S		202		209	486	355	272	1,988	683	425 425	237 237	392 392	235		3,725 3,685	6,138 6,425	
					C (205)	734 532	391 (275)	209	486	355 -	272	1,713 (275)	683	425	231	392	235		(40)	287	3,340
			0.51150													- 7					
			OTHER 9.2 Sory	ice Planning																	
MDDOM	ONGOING	CTT063	6391	Annual Programs Transit Priorities *		075	075	275	275	275	275	1,375	275	275	275	275			2,475	6.643	
	ONGOING		0391	i	B 3,893 P 2,033 C (1,860)	275 1,066	275 4,267	2,035	275 2,035	2,035	2,035	12,407	2,035	2,035 1,760	2,035 1,760	2,035 1,760	2,035 2,035	:	22,582 20,107	25,681 19,038	9,401
		011003			C (1,860)	791	3,992	1,760	1,760	1,760	1,760	11,032	1,760	1,760	1,760	1,700	2,033	- 1	20,107	18,036	
IMPROV IMPROV	FINITE	CTT063 CTT063	7551	Existing Projects Automatic Passenger Counting (APC) Implementation Program	B 4,750 P 4,001	240 650	339					339	:		-				339	4,990 4,990	4,990
IMPROV	PINITE	CTT063			2 (749)	410	339		- :		:	339	:	:	-	:		:	339	4,990	4,990
IMPROV	FINITE	CTT063	6362	Construct BRT Lines on the Avenues - Environmental Assessment	3 310	600	600	600	601			1,801							1,801	2,711	
IMPROV	FINITE	CTT063 CTT063	0302	F	310	(600)	600	600	600	601 601	:	2,401	:	:	-	:	-	:	2,401	2,711	2,711
		0.7035		`		(000)		-	117	501	•	000		-	-	-	-	-	000	•	
IMPROV IMPROV	FINITE	CTT063 CTT063	6417	Automatic Passenger Counting (APC) Equipment on Articulated Buses		495 160	335	1,085		:	-	1,420	-	:	-	-		.	1,420	495 1,580	1,580
		CTT063			: :	(335)	335	1,085		-	-	1,420	-		-				1,420	1,085	1,500
SOGR SOGR	FINITE	CTT063	6418	Platform Modifications to Accommodate Articulated Buses		2,000 500	- 750	750			:	1,500	:	·	-	- :		.	1,500	2,000 2,000	2,000
		CTT063		Č	-	(1,500)	750	750	•	-	-	1,500	-	-		-		.	1,500	-	2,000
IMPROV (ONGOING	CTT063	New	New Prolects Automatic Passenger Counting (APC) Equipment on Future Bus and	3 -	-					.			_	_	_			.		
IMPROV	ONGOING	CTT063		Streetoar Purchases F		:	-	450 450	800 808	600	600 600	2,450 2,450	600 600	:	:	:	:	:	3,050 3,050	3,050 3,050	450
LEGIS	FINITE	CTT063	6712	Bus Stop Improvements for Accessibility E	3 -	_	_	-								-				-	
LEGIS	FINITE	CTT063		F		:	200 200	200 200	200 200	200 200	200 200	1,000	200 200	200 200	200 200	200 200	200 200	:	2,000	2,000	2,000
				Board Approved Initiative to Improve Service															1		
IMPROV IMPROV	FINITE	CTT063	6713	Opportunities to Improve Transit Service - Transit Priority Measures		:	2,400	2,400	2,400	2,400	2,400	12,000	:	:	:	:		-	12,000	12,000	12,000
		CTT063		c			2,400	2,400	2,400	2,400	2,400	12,000	-	•		•	-	-	12,000	12,000	,
				Sub-Total Other - Service Planning St		3,610	875	875	876	275	275	3,176	275	275	275	275			4,276	16,839	
						2,376 (1,234)	8,891 8,016	7,520 6,645	6,035 5,159	5,836 5,561	5,235 4,960	33,517 30,341	2,835 2,560	2,235 1,960	2,235 1,960	2,235 1,960	2,235 2,235		45,292 41,016	54,012 37,173	35,132
				FUNDED BASE CAPITAL PROGRAM	5,385,818 5,188,766		1,092,736	877,596 1,203,436	868,406 1,107,123	682,067 1,072,164	590,578 1,005,876	4,111,383 5,537,407	352,328 941,465		327,971 822,260	307,249 639,194	636,010	1,935,515	5,408,923 9,268,490	11,878,640 17,419,718	13,164,674
					(197,052)	(56,952)	56,072	325,840	238,717	390,097		1,426,024				331,945		1,935,515	3,859,567	5,541,078	

Category Type CTT No. WO# DESCRIPTION

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING

APPENDIX B (\$000's) PROJECT APPROVAL EFC REQUEST CITY PROBABLE to 2013 2014 2015 2016 2017 2018 2019 2015-2019 2020 2021 2022 2023 2024 POST 2024 2015-2024

COMPL COMPL	Various	Completed Project Items - details available from Finance Capital Accounting	CB 496,88 CP 495,92 CC (95	9 -	:	:	:	:	:	:	:	:	:	:	:	:	:	496,881 495,929 (952)	
		TOTAL - FUNDED BASE CAPITAL PROGRAM	5,882,69 5,684,69	9 1,083,89	9 1,092,736 7 1,148,808	877,596 1,203,436	858,406 1,107,123	682,067	590,578 1,005,876	4,111,383 5,537,407	352,328 941,465	309,992 692,154	327,971 822,260	307,249 639,194	636,010	1,935,515	5,408,923 9,268,490	12,375,521 17,915,647	13.66
			(198,00			325,840		390,097		1,426,024									
		CITY REQUESTED BUDGET REDUCTIONS			1					l									ı
	New	1.1 Subway Track reduction	в -					10,000	10,000	20,000	10,000	10,000	10,000	10,000	-	-	60,000	60,000	1
			P -	:	1 :	- :	:	(10,000)	(10,000)	(20,000)	(10,000)	(10,000)	(10,000)	(10,000)	-	:	(60,000)	(60,000)	,
	New	1.2 Surface Track Reduction	в .	10,00	000,8	10,000	10,000	10,000		38,000	-				-		38,000	48,000	
			P -	(10,00	(8,000)	(10,000)	(10,000)	(10,000)	:	(38,000)	:	:	:	:	-	:	(38,000)	(48,000)	,
	New	2.1 Traction Power Reduction	в -	10,00	0 10,000	5,000				15,000							15,000	25,000	
			P -	(10,00			-	:	:	(15,000)	:	-	:	-	-	:	(15,000)	(25,000)	
	New	3.1 Station finish Renewat Program Reduction	в .		, , , , , ,	(-,,		1,500	4,750	6,250	9,500	10,000	10,000	10.000			45,750	45,750	1
			P -			-	-	(1,500)	(4,750)	-	(9,500)	(10,000)	(10,000)	(10,000)	:	-	(45,750)	(45,750)	
	New	3.1 Finishes Reduction	8 -		10,000	-	-	(1,500)	(4,750)	10,000	10,000	10,000	10,000	(10,000)	-		40,000	40,000	1
	11011	S. Chinaries Reduction	₽ -			:	- :	:	:	-	-			-	:	:	-		1
	New	3.2 Equipment Reduction	C -		(10,000)			-		(10,000)	(10,000)	(10,000)	(10,000)	-	•	-	(40,000)	(40,000)	1
	New	3.2 Equipment Reduction	ρ.	5,00	-	5,000	5,000	5,000	5,000	30,000	5,000	5,000	5,000	5,000	-	:	50,000	55,000	
			с .	(5,00				(5,000)	(5,000)		(5,000)	(5,000)	(5,000)	(5,000)	-		(60,000)	(55,000)	1
	6967	3.3 On-Grade Paving Rehabilitation Program Reduction	B -	:	5,000	5,000	5,000	5,000	5,000	25,000	5,000	5,000	5,000	5,000	:	:	45,000	45,000	1
			с -	. •	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(25,000)	(5,000)	(5,000)	(5,000)	(5,000)	-	•	(45,000)	(45,000)	
	New-	3.4 Bridges and Tunnels Reduction	B -	5,00	10,000	5,000	5,000	5,000	5,000	30,000	5,000	5,000	5,000	5,000	:	:	50,000	55,000	
			c -	(5,00	(10,000)	(5,000)	(5,000)	(5,000)	(5,000)	(30,000)	(5,000)	(5,000)	(5,000)	(5,000)	-	-	(50,000)	(55,000)	1
	577x	3.9 Fire Ventilation Upgrade Reduction	B -	(2,80	7,485	23,842	12,550	14,372	16,765	75,014	21,303	19,822	19,545	26,212	-	. :	161,896	159,090	
			c :	2,80	(7,485)	(23,842)	(12,550)	(14,372)	(16,765)	(75,014)	(21,303)	(19,822)	(19,545)	(26,212)			(161,896)	(159,090)	
	566X	3.9 Easier Access Phase III Reduction	В -					5,442	51,752	57,194	44,911	46,372	48,813	42,710	-		240,000	240,000	
			c :	:	:	:	:	(5,442)	(51,752)	(57,194)	(44,911)	(46,372)	(48,813)	(42,710)	:	:	(240,000)	(240,000)	
	6078	McNicoll New Bus Garage Reduction	в .	(8,00)	(25,000)	(10,000)	25,300	45,000	45,000	80,300	28,700	-			-		109,000	101,000	
			P -	8,00	25,000	10,000	(25,300)	(45,000)	(45,000)	(80,300)	(28,700)	-	:	:		:	(109,000)	(101,000)	
	New	3.9 Building and Structures Reduction	8 -		10,000			_	_	10,000							10,000	10,000	
			P -		(10,000)	-	:	:	:	(10,000)	:		-	:	:	-	(10,000)	(10,000)	
	New	4.11 Purchase of 400 Low floor 40ft Diesel Buses Reduction	в .		29,222	37,185	24,953	74,851		166,211		_					166 211	166,211	
			P -		(29,222)	(37,185)	(24,953)	(74,851)	-	(166,211)			-			-	(166,211)	(166,211)	l
	New	4.11 Purchase of 135 Low Floor 40ft Diesel Buses (service Enhanceme	-		(25,222)	(37, 183)	(24,000)	(74,001)	105,276	105,276	•			•	-	-	105,276	105,276	
			P -	:	-	:		:	(105,276)	(105,276)	:	-	-	:	-		(105,276)	(105,276)	
	New		в			•	-	•			400.000	171,100	179,277	93,871	•				
	14044		Ρ .	:	:	:	:	:	155,875	155,875	-				:		763,431	763,431 -	1
	ble		С -	•	-	-	•		(155,875)	(155,875)	(163,308)	(171,100)		(93,871)	•	-	(763,431)	(763,431)	ĺ
	New	4.11 Purchase of 198 Future Wheel-Trans Buses Reduction	В .	:	:	:	-	(534)	(1,965)	(2,499) -	12,381		12,189	-	:	:	22,071	22,071	İ
			с .	•	-	-	•	534	1,965	2,499	(12,381)		(12,189)		•	-	(22,071)	(22,071)	
	New	4.12 Purchase of 372 New Subway Cars (T1 Replacement) Reduction	B -	:	1 :	:	:	:	:	:	:	:	:	425,707	:	:	425,707	425,707	
			с -	-	-	•					-		-	(425,707)	•		(425,707)	(425,707)	ĺ
	6668	4.13 Orion VII Bus Rebuild Program Reduction	В -	(7.168	(27,604)	(27,732)	(59,883)	(48,592)	(48,926)	(212,737)	(7,486)	(9,217)	(3,977)	(19,181)		:	(252,598)	(259,766)	ĺ
			c -	7,168	27,604	27,732	59,883	48,592	48,926	212,737	7,486	9,217	3,977	19,181			252,598	259,766	ĺ
	TBD	4.13 Train Door Monitoring System-T1 & TR Reduction	8 - P -	13,803	22,506	15,166			-	37,672		-		-	-		37,672	51,475	
			c -	(13,803	(22,506)	(15,166)	:	-	:	(37,672)	÷	:	-	-	:	:	(37,672)	(51,475)	
	New	4.18 Purchase of 60 Light Rail Vehicles(LRVs) for Ridership Growth Re	B -	51,724					160,819	160,819	130,946	9,415			-		301,180	352,904	i
			P -	(51,724		:	:	-	(160,819)	(160,819)	(130,946)	(9,415)		:	-	:	(301,180)	(352,904)	1

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

APPENDIX B

																				PROJEC
legory Type	CTT No.	WO#	DESCRIPTION	CITY to 2013	PROBABL 2014	E 2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	REQUE
		New		B -	:	200	800	2,000	2,000	5,000	10,000	5,000	:			:	:	15,000	15,000	
				c -		(200)	(800)	(2,000)	(2,000)	(5,000)	(10,000)	(5,000)		-		-	-	(15,000)	(15,000)	
			Sub-Total Unfunded Projects :		77,55	69,809	69,261	29,920	129,039	519,346	817,375	443,563	282,492	300,847	604,319			2,448,596	2,526,149	
				SP - SC -	(77,55	(69,809)	(69,261)	(29,920)	(129,039)	(519,346)	(817,375)	(443,563)	(282,492)	(300,847)	(604,319)	<u>-</u>	-	(2,448,596)	(2,526,149)	
			TOTAL - BASE CAPITAL PROGRAM	***************************************											911.568		***************************************	7.857.519	14,901,670	,
			TOTAL - BASE CAPITAL PROGRAM	5,882,69 5,684,69		1,162,545	946,857	898,326 1,107,123		1,005,876	4,928,758 5,537,407	795,891 941,465	592,484 692,154	628,818 822,260	639,194	636,010	1,935,515	9,268,490	17,915,647	13,660
				(198,00			256,579	208,797	261,058	(104,048)			99,670		(272,374)		1,935,515			
	CTT134 CTT134 CTT134		1	B 1,514,87 P 1,364,91 C (149,96	5 379,24	444,180	268,405 445,830 177,425	:		:	591,713 890,010 298,297	:	:	:	:	:	:	591,713 890,010 298,297	2,634,171 2,634,171	2,63
	CTT134		Toronto York Spadina Subway Extension	B 1,514,87 P 1,364,91 C (149,96	5 379,24 0) (148,33	444,180 120,872	445,830 177,425			-	890,010 298,297	=	=	:	:	-	-	890,010 298,297	2,634,171	2,63
	CTT134		Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S	B 1,514,87 P 1,364,91 C (149,96	5 379,24 0) (148,33 5 527,58	444,180 120,872 323,308	445,830 177,425 268,405	-	-	-	890,010 298,297 591,713	-			-		-	890,010 298,297 591,713	2,634,171	
	CTT134		Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S	B 1,514,87 P 1,364,91 C (149,96	5 379,24 0) (148,33 5 527,58 5 379,24	444,180 120,872 323,308 444,180	445,830 177,425	-	-	-	890,010 298,297	-	-	-	*	*	-	890,010 298,297	2,634,171	
	CTT134 CTT134	568X	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S	B 1,514,67 P 1,364,91 C (149,96 SB 1,514,87 SP 1,364,91	5 379,24 0) (148,33 5 527,58 5 379,24	444,180 120,872 323,308 444,180	445,830 177,425 268,405 445,830		-	-	890,010 298,297 591,713 890,010				*****		-	591,713 690,010	2,634,171 2,634,171 2,634,171	
	CTT134 CTT134	568X SCARBO	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S S S S S S S S S S S S S S S S S S S	B 1,514,87 P 1,364,91 C (149,96 SB 1,514,87 SP 1,364,91 SC (149,96	5 379,24 0) (148,33 5 527,58 5 379,24 0) (148,33	323,308 444,180 323,308 444,180 120,872	445,630 177,425 268,405 445,830 177,425	171,465	339,383	665,750	890,010 298,297 591,713 890,010 298,297	878,861	628,489	411,189	96,991	-		\$90,010 298,297 591,713 690,010 298,297	2,634,171 2,634,171 2,634,171	2,63
	CTT134 CTT134	568X SCARBO	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S S S S S SOROUGH SUBWAY EXTENSION Scarborough Subway	B 1,514,67 P 1,364,91 C (149,96 SB 1,514,87 SF 1,364,91 SC (149,96	5 379,24 0) (148,33 5 527,58 5 379,24 0) (148,33 14,50 5 1,43	323,308 444,180 120,872 323,308 444,180 120,872	445,830 177,425 268,405 445,830 177,425			-	890,010 298,297 591,713 890,010 298,297					-	-	590,010 298,297 591,713 690,010 298,297	2,634,171 2,634,171 2,634,171	2,63
	CTT134 CTT134 CTT147 CTT147 CTT147 CTT147	568X SCARBO 531x 6901	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S S S S SCOUGH SUBWAY EXTENSION Scarborough Subway SRT Life Extension - Facilities, Equipment & Vehicles	B 1,514,67 P 1,364,91 C (149,96 SB 1,514,57 SP 1,364,91 SC (149,96	5 379,24 0) (148,33 5 527,58 5 379,24 0) (148,33 14,50 5 1,43	444,180 120,872 323,308 444,180 120,872 15,500 33,758 18,258	445,630 177,425 268,405 445,830 177,425 82,872 101,118 18,246	171,465 167,550 (3,915)	339,383 252,162 (87,221)	665,750 741,903 76,153	890,010 298,297 591,713 890,010 298,297 1,274,970 1,296,491 21,521 61,000	878,861 697,403 (181,458) 17,000	628,489 605,395 (23,094) 17,000	411,189 451,992 40,803 18,000	96,991 207,773 110,782 19,000	31,000	13,500	\$90,010 298,297 591,713 690,010 298,297 3,290,500 3,290,054 (446) 132,000	2,634,171 2,634,171 2,634,171 3,305,000 3,305,000	2,63
	CTT134 CTT134 CTT147 CTT147 CTT147	558X SCARBO 531x	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S S S OROUGH SUBWAY EXTENSION Scarborough Subway SRT Life Extension - Facilities, Equipment & Vehicles	B 1,514,67 P 1,364,91 C (149,96 SB 1,514,67 SC (149,96 B -	5 379,24 0) (148,33 5 527,58 5 379,24 0) (148,33 14,50 5 1,43	1444,180 120,672 323,308 444,180 120,872 15,500 33,758 18,258	445,630 177,425 268,405 445,830 177,425 82,872 101,118 18,246	171,465 167,550 (3,915)	339,383 252,162 (87,221)	665,750 741,903 76,153	890,010 298,297 591,713 890,010 298,297 1,274,970 1,296,491 21,521	878,861 697,403 (181,458)	628,489 605,395 (23,094)	411,189 451,992 40,803	96,991 207,773 110,782	31,000 31,000	13,500	\$90,010 298,297 \$91,713 \$90,010 298,297 3,290,500 3,290,054 (446)	2,634,171 2,634,171 2,634,171 3,305,000 3,305,000	2,63
	CTT134 CTT134 CTT147 CT1147 CT1147 CT1147 CT1147 CT1147	568X SCARBO 531x 6901 6902 6903	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S S S PROUGH SUBWAY EXTENSION Scarberough Subway SRT Life Extension - Facilities, Equipment & Vehicles	B 1,514,67 P 1,364,91 C (149,96 SB 1,514,87 SP 1,364,91 SC (149,96 B - P 1 C 1 B - P -	5 379,24 (148,33 5 527,58 5 379,24 0) (148,33 14,500 1,43 5 (13,07)	323,308 444,180 323,308 444,180) 120,872 15,500 33,758 18,258	445,830 177,425 268,405 445,830 177,425 82,872 101,118 18,246 14,000 19,000	171,465 167,550 (3,915) 15,000 18,000	339,383 252,162 (87,221) 16,000	665,750 741,903 76,153 16,000 15,000	890,010 298,297 591,713 890,010 298,297 1,274,970 1,296,491 21,521 61,000 84,500	878,861 697,403 (181,458) 17,000 14,000	628,489 605,395 (23,094) 17,000 13,000	411,189 451,992 40,803 18,000 13,000	96,991 207,773 110,782 19,000 7,500	31,000	13,500	\$90,010 298,297 591,713 690,010 298,297 3,290,500 3,290,054 (446) 132,000	2,634,171 2,634,171 2,634,171 3,305,000 3,305,000	2,63
	CTT134 CTT134 CTT147 CTT147 CTT147 CTT147 CTT147	568X SCARBO 531x 6901 6902 6903	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S SOPPOUGH SUBWAY EXTENSION Scarborough Subway SRT Life Extension - Facilities, Equipment & Vehicles SRT Decommissioning & Demolition	B 1,514,87 P 1,364,91 C (149,96 SB 1,514,87 SP 1,364,91 SC (149,96 B - P 1 C 1 B - P - C -	5 379,24 (148,33 5 527,58 5 379,24 0) (148,33 14,500 1,43 5 (13,07)	323,308 444,180 323,308 444,180) 120,872 15,500 33,758 18,258	445,830 177,425 268,405 445,830 177,425 82,872 101,118 18,246 14,000 19,000	171,465 167,550 (3,915) 15,000 18,000	339,383 252,162 (87,221) 16,000	665,750 741,903 76,153 16,000 15,000 (1,000)	890,010 298,297 591,713 890,010 298,297 1,274,970 1,296,491 21,521 61,000 84,500 23,500	878,861 697,403 (181,458) 17,000 14,000	628,489 605,395 (23,094) 17,000 13,000	411,189 451,992 40,803 18,000 13,000	96,991 207,773 110,782 19,000 7,500	31,000	13,500	\$90,010 298,297 591,713 690,010 298,297 3,290,500 3,290,054 (446) 132,000	2,634,171 2,634,171 2,634,171 3,305,000 3,305,000	2,63
	CTT134 CTT134 CTT147 CT1147 CT1147 CT1147 CT1147 CT1147 CT1147 CT1147	568X SCARBO 531x 6901 6902 6903	Toronto York Spadina Subway Extension Sub-Total Spadina Subway Extension to VCC S SOROUGH SUBWAY EXTENSION Scarborough Subway SRT Life Extension - Facilities, Equipment & Vehicles SRT Decommissioning & Demolition	B 1,514,87 P 1,364,91 C (149,96 P 1,364,91 P 1,364,91 P 1,364,91 P 1,364,91 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P	5 379,2400) (148,33 6 527,58 6 379,240) (148,33 7 14,500 6 13,070	1444,180 120,872 323,308 444,180 120,872 15,500 33,758 18,258 16,500 16,500	445,830 177,425 268,405 445,830 177,425 82,872 101,118 18,246 14,000 19,000	171,465 167,550 (3,915) 15,000 18,000	339,383 252,162 (87,221) 16,000	665,750 741,903 76,153 16,000 15,000 (1,000)	890,010 298,297 591,713 890,010 298,297 1,274,970 1,296,491 21,521 61,000 84,500 23,500	878,861 697,403 (181,458) 17,000 14,000 (3,000)	628,489 605,395 (23,094) 17,000 13,000 (4,000)	411,189 451,992 40,803 18,000 13,000 (5,000)	96,991 207,773 110,782 19,000 7,500 (11,500)	31,000	13,500 13,500 	\$90,010 298,297 591,713 590,010 298,297 3,290,500 3,290,550 (446) 132,000 132,000	2,634,171 2,634,171 2,634,171 3,305,000 3,305,000 132,000	2,634 2,634 303 132

B City Approved 2014-2023 Capital Budget
P Proposed 2015-2024 Capital Budget
C Change (P-B)

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET PROGRAM AND PROJECT DETAILED LISTING (\$000's)

APPENDIX B

PROJECT

Category	Туре	CTT No.	W0 #	DESCRIPTION	CITY to 2013	PROBABLE 2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024	POST 2024	2015-2024	EFC	APPROVAL REQUEST
			WATER	FRONT INITIATIVES COORDINATED BY WATERFRONT TORONTO																	
			563X	Union Station New Platform	100,979 103,752 2,773	21,138	17,333 18,180 827	5,400 5,400	:	:	:	17,333 23,560 6,227	:	:	:	:	:	:	17,333 23,560 6,227	139,450 148,450 9,000	
			543X	East Bayfront Streetcar and Station Expansion	3,818 3,829 11	40	:	:	:	:	:	:	:	:	:	:	-	409,182 421,457 12,275	:	413,000 425,326 12,326	
			TBD	Purchase of 6 Additional LRT Cars - East Bayfront Streetcar Line	:	1,360 - (1,360)	3,120 1,360 (1,760)	3,120 3,120	:	31,520 31,520	:	34,640 36,000 1,360	:	:	:	:	:	:	34,640 36,000 1,360	36,000 36,000	
			541X	West Don Lands Streetcars	3,633 2,633 (1,000)	2,112 2,612 500	500 500	:	:	:	:	500 500	:	:	:	:	:	:	500 500	5,745 5,745	
			TBD	Purchase 5 Additional LRT Cars - West Donlands Streetcar Line	:		1,133 1,133	2,600 2,600	26,267 26,267	:	:	30,000 30,000	:	:	:	:	:	:	30,000 30,000	30,000 30,000	
			TBD	Purchase of 4 Additional LRT Cars -Bremner Blvd Streetcar Line	:	906)	2,080 906 (1,174)	2,080 2,080	:	:	21,014 21,014	23,094 24,000 906	:	:	:	:	:	-	23,094 24,000 906	24,000 24,000	
			TBD	Port Lands Streetcar Expansion	:	-	:	:	:	:	:	:	:	:	:	:	:	188,145 193,789 5,644	:	188,145 193,789 5,644	
				Total Waterfront Initiatives	108,430 110,214 1,784	25,516 23,790 (1,726)	22,533 22,059 (474)	13,200 13,200	26,267 26,267	31,520 31,520	21,014 21,014	75,067 114,060 38,993					-	597,327 615,246 17,919	75,067 114,060 38,993	806,340 863,310 56,970	

APPENDIX C

SUBWAY FLEET PLAN 2015

2015 - 2024 Capital Program

Table 2A: Line 1 (YUS) Fleet Plan

Year End	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	203
rains Required																					
Short Turn - (Glenceirn AM ONLY)					2																
Forecast Growth (ATC Required)						15	1	\rightarrow	7	1	1		1		1	1	-1		-1		- 1
Spadina Ext/Short Turn at Wilson				2 4	\leftarrow	- 5															
AM Peak Short Turn at Wilson						1															
Total Peak Service	49	49	49	51	52	58	58	58	65	66	67	67	68	68	69	70	71	71	72	72	73
Maintenance Spares	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Total Trains Required	57	57	57	59	60	67	67	67	74	75	76	76	77	77	78	79	80	80	81	81	82
rains Available																					
H5 (Retirements)		(14)	(8)																		
T1 (Transfer to Line 🕕)	(7)	(2)	(11)	(18)																	
TR Procurement	11	17	18	18	16																
Total Trains Available	64	65	64	64	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
					-	_		_	-	_	_	_	_		_	_	_	_	_		

Peak service in these years is based on a P.M. peak of 49 trains.

Table 2B: Line 2 (BD) Fleet Plan (including Line 4 - Sheppard)

Year End	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Trains Required																					
Forecast Growth				2 <	-		$\boldsymbol{-}$		_4_			~	_4		\supset	4	1	1	1		1
Line @ Extension (Scarborough)													6								
Total Peak Service (T1)	43	43	43	45	45	45	45	45	45	45	45	45	51	51	51	55	56	57	58	58	59
Sheppard Line				3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15% Maintenance Spares	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	9	9	9	9	9	9
Total Trains Required	50	50	50	55	55	55	55	55	55	55	55	55	61	61	61	67	68	69	70	70	71
Trains Available																					
H4 (Retirement)	(7)																				
H6 (Retirement)		(1)	(11)	(9)																	
T1 (Transfers from Line 🕕)	8	2	11	17																	
T1 Asset converted to Workcar					(1)																
T1 Retirement (End of Life)																(4)	(10)	(15)	(15)	(13)	(5)
Next Procurement																13	15	15	15	11	
Total Trains Available	53	54	54	62	61	61	61	61	61	61	61	61	61	61	61	70	75	75	75	73	68
·																					
Contingency	3	4	4	7	6	6	6	6	6	6	6	6	0	0	0	3	7	6	5	3	(3)

Maintenance spares redcued in these years to offset loss of contingency trains; dependent upon timing of next vehicle procurement.

APPENDIX C

STREETCAR FLEET PLAN 2015

2015 - 2024 Capital Program

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Dep	loyment	by Loo	ation
NEW STREETCAR											Les	Ron	Rus	Total
510 Spadina	8	4				1					13	0	0	13
511 Bathurst		10									10	0	0	10
509 Herbourfront		7			1						8	0	0	8
505 Dundas			14		2	1					17	0	0	17
501 Queen / 508 Lakeshore			15	26	3	1					25	20	0	45
* 504 King				0	10	1					23	0	0	23
512 St Clair					12	7					0	19	0	19
502 Downtowner						6					0	0	6	6
503 Kingston Rd Tripper						5					0	0	5	5
506 Carlton						11	16				0	0	27	27
New Streetoar Total Service	8	29	58	90	124	157	173	173	173	173	96	39	38	173
New Streetoar Maintenance Spares	7	7	13	20	26	33	35	36	36	36	20	ŏ	δ	35
New Streetour Required	0	36	71	110	150	100	200	200	200	200	118	47	46	200
New Streetsar Proourement	9	27	35	39	40	40	14							
New Streetow Available	۵	36	71	110	160	190	204	204	204	204	113	48	45	204
New Streetoar Surplus / (Service Deficit)	0	0	0	0	0	0	(5)	(5)	(5)	(5)	(3)	(1)	(1)	(5)
ALRV														
* ALRV service	33	38	33	24	24	24	24	24	24	24	0	12	12	24
ALRV Maintenance Spares	15	14	14	6	6	6	6	В	6	6	0	3	3	- 6
ALRV Required	48	52	47	30	30	30	30	30	30	30	0	15	15	30
ALRV Surplus / Service Deficit)	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ALRV Retirements			(5)	(17)										
CLRV														
CLRV Service	161	135	108	85	58	21								
CLRV Maintenance Spares	34	35	26	25	16	5								
CLRV Required	195	170	134	110	74	28								
CLRV Surplus / Service Deficit)	0	0	0	0	0	0	0							
CLRV Retirements		(25)	(36)	(24)	(36)	(48)	(26)							

^{* 504} King service supplemented with ALRV vehicles to facilitate availability for New Opportunities.

Note: TTC is working with Bombardier to establish a revised delivery plan to realign the schedule in efforts to achieve the full vehicle delivery commitment of 2019. Once a revised schedule has been agreed to, modifications to the budgeted cashflow may be required.

APPENDIX C

FLEET PLAN - BUS 2015 - 2024

	<2003	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
MODEL																					Procu	rement	
																				Me	ch/Bod	y Overl	naul
																				1	Mech C	verhau	d
																					Body O		
RETIRED FLEETS	1195	110	118	242	233	213	111	68	58	42										ŀ	lybrid (ال
ORION V LE DSL (1996/97)	185			99	49								185									ement	
NOVA RTS LE DSL (1998)	52					50	2							52						Adv	anced	Retirer	nent
FLYER LF DSL (1999)	51						30	21		1						50							
ORION VII LF DSL		100	120	262			1			1	60	180	240	1			81	73	74	254			
ORION VII LF CLN DSL					80	100	******	*******		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,	1	179	,,,,,,,,,,,,,,,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		180	**********	12	67
ORION VII LF HYB					150								1	60	89				150	1	102	47	
ORION VII LF HYB					100						150				1	149				'	102	71	
ORION VII LF HYB NG						224	190	130		1	2			1	151	240	120	29			110	280	151
ORION VII LF HYB NG						224	190	130			223	318				51	245	245					
ORION VII LF CLN DSL NG									120	35	62				70	70	77	120	97		70	70	77
REQUIRED (STANDARD LENGTH)												15	181	82	121	111	110	110	110	90	75	75	75
PROCURE (ARTIC)												11	142					77	76	53	50	50	
PROCURE (STANDARD LENGTH)														82	121	111	110	110		82	121	111	110/82
PROCURE (STANDARD LENGTH)																			110	90	75	75	75
,																							
AVAILABLE (40' Equivalents)	1483	1473	1475	1495	1492	1603	1682	1744	1806	1797	1857	1872	1878	1908	2029	2090	2119	2156	2192	2027	2000	2016	2024
Peak Service Required with Construc	tion Ne	eds							1496	1489	1540	1563	1614	1567	1602	1644	1658	1671	1679	1540	1517	1521	1535
Buses for SRT Replacement													0	0	0	0	0	0	0	0	0	0	0
Buses for Customer Service Initiative	s												0	0	42	44	70	97	124	124	124	124	124
Operating Maintenance Spares (18%	from 20	16)							180	179	185	188	194	263	296	304	311	318	325	300	295	296	299
Capital Spares (Rebuild/Warranty/Ref	rofit/Pro	grams)						52	46	58	72	77	77	89	98	80	70	64	63	64	74	67
REQUIRED									1728	1714	1783	1823	1885	1907	2029	2090	2119	2156	2192	2027	2000	2015	2025
SURPLUS / (DEFICIT)									78	83	74	49	(7)	0	0	0	0	0	0	0	0	0	0

APPENDIX D

TTC 2015-2024 UNFUNDED PROJECTS Summary of Changes - Cash Flow by Year (\$000s)

Projects	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2015-2024
372 Replacement Subway Cars				(249)	(524)	(584)	(1,523)	(293,407)	(161,569)	(158,376)	(616,232)
201 Replacement Wheel-Trans Buses				(13,900)	(23,600)	(14,400)	(26,000)	(22,400)			(100,300)
Purchase of 99 40' LF Buses Customer Service Initiative			(2,678)	(17,531)	(18,261)	(22,954)	(20,042)	(7,882)			(89,348)
60 New LRVs for Growth	(52,755)					(198,776)	(107,636)	(7,161)			(366,328)
Fire Ventilation Upgrade					(17,495)	(43,019)	(25,306)	(13,059)	(14,751)	(18,521)	(132,151)
Train Door Monitoring System - T1 & TR	(3,696)	(33,029)	(14,750)								(51,475)
Easier Access III							(43,048)	(47,393)	(42,696)	(31,515)	(164,652)
Bus Heavy Rebuilt Program						(42,232)	(37,504)	(57,862)	(57,828)	(60,635)	(256,061)
Capacity to Spend Opportunities:											
Subway Track		(5,000)	(5,000)	(5,000)	(5,000)	(12,000)	(12,000)	(12,000)	(12,000)	(12,000)	(80,000)
Surface Track	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(10,000)	(10,000)	(10,000)	(10,000)	(70,000)
Traction Power	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)						(25,000)
Finishes				(3,757)	(19,488)	(20,000)	(20,000)	(20,501)	(10,000)	(7,941)	(101,687)
Equipment			(159)	(1,892)	(2,143)	(1,982)	(2,400)	(7,060)	(6,120)	(6,625)	(28,381)
Bridges and Tunnels	(5,000)	(5,000)	(5,000)	(5,000)	(9,475)	(14,073)	(14,600)	(14,600)	(14,600)	(14,600)	(101,948)
On-Grade Paving				(3,088)	(14,520)	(16,000)	(16,000)	(15,998)	(12,000)	(12,180)	(89,786)
Other Buildings & Structures			(5,056)	(17,855)	(15,668)	(12,743)	(8,077)	(5,395)	(4,652)	(6,744)	(76,190)
Sub-Total: Capacity to Spend Opportunities	(15,000)	(20,000)	(25,215)	(46,592)	(76,294)	(81,798)	(83,077)	(85,554)	(69,372)	(70,090)	(572,992)
TTC 2015-2024 Unfunded Projects	(71,451)	(53,029)	(42,643)	(78,272)	(136,174)	(403,763)	(344,136)	(534,718)	(346,216)	(339,137)	(2,349,539)

TTC 2015-2024 CAPITAL BUDGET REQUIREMENTS & SOURCES OF FUNDING APPENDIX E Assumptions: Expenditures based on proposed 2015-2024 Capital Budget - Updated blue pages version for presentation to the Board on February 2, 2015 2015-2019 2015-2024 \$ millions PROPOSED BUDGET Council Approved 2014-2023 Gross Budget - Jan 30/14 1,282 1,093 4,111 5,409 2015-2024 Gross Budget - Proposed - Feb 2/15 1,027 1,149 1,203 1,107 1,072 1,006 5,537 9,268 ENDIT CHANGE FROM APPROVED (255 1,426 3,860 PROPOSED CURRENT BUDGET REQUEST EXP State-of-Good-Repair / Safety 1,053 1,070 4,852 8,199 Legislative GROSS Improvement Expansion Vehicles 1,912 3,692 Infrastructure / Other 3,625 5,576 Total Gross - Base Capital Program Request 1.027 1.149 1.203 1.107 1,072 1,006 5.537 9,268 Proposed Capital Program Budget 1,203 1,107 5,537 9,268 1,027 1,149 1,072 1,006 **Funding Sources** Provincial gas tax Canada Strategic Infrastructure Fund (CSIF) Canada Strategic Infrastructure Fund (CSIF) - Interest SOURCI Capital Reserve Metrolinx Quick Wins 204 LRV Funding **Total Provincial Funding** FUNDING Base Federal Gas Tax - 5 cent (population) 1,644 Canada Strategic Infrastructure Fund (CSIF) Total Federal Funding 1.644 TTC internal (depreciation) Other Reserves / Funding Partners Development charges Total Other Funding City Debt Target - CFO Recommended 1,556 1,845 City Carryforward - Deferred Debt Issued Additional City Funding above Debt Target (to be approved by Council) (175)(13)(23)(57) (150) City Funding - Reserve Funds (Asset Monetization) City Operating CFC Total City / Other Funding 3,720 4,281 Total Funding 1,283 1,077 1,150 1,064 5,156 6,919 Funding Shortfall/(Surplus) 2,350 Unfunded Projects - See Appendix D (2,350)Revised Funding Shortfall/(Surplus)

Note: The funding shortfall is addressed through the removal of certain projects from the Base Capital Program as shown on Appendix D.