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:

1. 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 Capital Budget Comparison

Base Programs

($Billions)

	2014 - 2023 Approved	2015 - 2024 Request
Budget	9.0	9.3
Funding Available	6.5	6.9
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

Canada Strategic Infrastructure Fund (CSIF) – 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 largely concluded with only about $3.6 million left to be claimed from the Federal and Provincial contributions.

Infrastructure Stimulus Fund (ISF) – 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.

Public Transit Capital Trust (PTCT) – 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.

Transit Secure (TS) – 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.

Canada-Ontario Infrastructure Program (COIP) – 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.

Light Rail Vehicle (LRV) Program - 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 active 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.

- $9.268 billion is forecasted 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 funding shortfall in the order of $2.35 billion 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

TTC PROPOSED 2015 BASE CAPITAL BUDGET ($Millions)

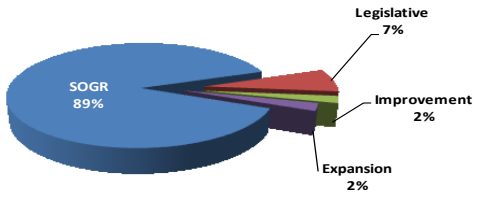
Vehicles:		
Purchase of 82 (55 + delivery of 27 of 50) Low Floor 40' Diesel Buses	47	
Purchase of 234+126+60 Subway Cars	151	
Purchase of 204 + 60 LRV Cars	187	510
Vehicle Overhaul Programs (Bus, WT, Subway, Streetcar)	99	
Other (Non-Revenue Vehicle Purchase & Overhaul)	26	
Infrastructure Projects:		
Finishes, Equip, Yards & Roads	39	
Bridges & Tunnels	53	
Leslie Barns (116), LRV CH (4), EA lll (26), Facility Renewal/Other Build. Struct. (28),	174	
Fire Ventilation (29), TR Accommodation (34)	63	639
Track Programs	53	
Signals/Electrical/Communications (78), YUS/BD ATO (79)	157	
Shop/Maint. Equip/Fare Handling (26), Farecard (11), Environ (8), IT (46)	91	
Service Planning (9)	9	
TTC REQUEST LEVEL	**$1,149**	

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

BASE CAPITAL BUDGET
Ten Year Envelope
By Major Category
($ millions)

	2015	2015-2024	
SOGR	1,053	8,199	89%
Legislative	45	647	7%
Improvement	32	202	2%
Expansion	19	220	2%
Total	1,149	9,268	



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 Toronto-York Spadina Subway Extension (TYSSE) 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 Scarborough Subway Extension (SSE) 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

SUMMARY OF CHANGES

$2,449 2014-2023 City Unfunded Projects for 2015-2024
$1,411 2014-2023 Requested Changes for 2015-2024

$3,860 Total Increase 2015-2024 (from 2014-2023 Council Approved)
($2,275) Unfunded Projects for 2015-2023

$1,585 Net Increase from 2014-2023 Council Approved
($609) 2024 Additional year for existing projects

$976 2015–2023 Increase for existing projects
($389) New projects (2015-2024)

AODA	29
SOGR	300
LEGIS	24
IMPROV	35

$587 Net Other Changes:
($255) Slippage/Carry Forward

$332 Net Change

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 new 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 under-spent by $255 million and these funds will be carried forward.

- For 2015-2023 existing 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 Toronto-York Spadina Subway Extension 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

2015-2024 UNFUNDED PROJECTS

PROJECT	$ (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)**	

**** Request of $9.3 B versus funding available of $6.9 B = $2.4 B shortfall***

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.

- Fire Ventilation Upgrade (-$132 million): 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.

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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).

APPENDIX A

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**

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

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

APPENDIX B

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
				1.1 Subway Track																		
				Annual Programs																		
SOGR	ONGOING	CTT001	5632	Subway/SRT Track Rehabilitation Program	B	53,562	43,375	6,650	8,800	10,700	16,000	52,669	95,619	16,512	16,957	17,208	17,654			164,050	261,387	
SOGR	ONGOING	CTT001			P	50,924	18,106	7,745	49,446	11,149	17,255	55,137	129,737	16,989	17,443	17,604	18,169	18,629	-	218,752	286,892	118,323
		CTT001			C	(5,938)	(25,269)	1,095	31,646	449	455	468	34,113	477	486	496	506	18,629	-	54,712	25,505	
SOGR	ONGOING	CTT001	5628	Subway/SRT Tunnel Rehabilitation Program	B	12,849	8,157	6,958	7,400	8,500	11,000	11,330	47,088	11,673	11,965	12,235	12,480			85,456	116,484	
SOGR	ONGOING	CTT001			P	11,301	9,709	14,593	8,000	8,900	11,000	11,330	53,413	11,673	11,965	12,235	12,480	12,804	-	114,537	136,583	43,589
		CTT001			C	(1,548)	1,548	6,725	600	-	-	-	6,325	-	-	-	-	12,804	-	19,129	19,129	
				Existing Projects																		
SOGR	FINITE	CTT001	7715	MOWIS Upgrade	B	249	153	-	102	204	305	314	925	324	333	340	347			2,299	2,671	
SOGR	FINITE	CTT001			P	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	-	509	356	
SOGR	ONGOING	CTT001	6260	Subway Rail Grinding	B	-	1,454	1,483	1,525	1,555	1,586	1,618	7,767	1,651	1,683	1,717	1,751			14,559	16,013	
SOGR	ONGOING	CTT001			P	-	1,454	1,483	1,525	1,555	1,586	1,618	7,767	1,651	1,683	1,717	1,751	1,797	-	16,365	17,820	4,462
		CTT001			C	-	-	-	-	-	-	-	-	-	-	-	-	1,797	-	1,797	1,797	
IMPROV	FINITE	CTT001	6012	YUS Resignalling - Installation of Crossovers	B	11,549	1,139	-	-	-	-	-	-	-	-	-	-			-	12,688	
IMPROV	FINITE	CTT001			P	11,669	1,019	-	-	-	-	-	-	-	-	-	-	-	-	-	12,688	12,688
		CTT001			C	120	(120)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IMPROV	FINITE	CTT001	6032	Rail Vehicle Based Inspection System	B	500	6,500	-	-	-	-	-	-	-	-	-	-			-	7,000	
IMPROV	FINITE	CTT001			P	9	6,991	-	-	-	-	-	-	-	-	-	-	-	-	-	7,000	7,000
		CTT001			C	(491)	491	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	ONGOING	CTT001	Various	1.1 Subway Track City Requested Budget Reduction	B	-	-	-	-	-	(10,000)	(10,000)	(20,000)	(10,000)	(10,000)	(10,000)	(10,000)			(60,000)	(60,000)	
SOGR	ONGOING	CTT001			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		CTT001			C	-	-	-	-	-	10,000	10,000	20,000	10,000	10,000	10,000	10,000	-	-	60,000	60,000	
				Sub-Total Subway Track	SB	79,106	63,778	16,991	17,327	20,859	15,691	55,531	131,399	23,157	20,956	21,600	22,235	-	-	216,346	359,233	
					SP	73,252	37,275	23,941	50,075	21,408	30,146	65,399	191,968	30,534	31,444	32,006	32,738	33,586	-	352,493	463,020	167,089
					SC	(5,857)	(25,503)	6,972	32,748	449	10,455	10,468	60,596	10,477	10,486	10,496	10,506	33,586	-	136,147	106,767	
				1.2 Surface Track																		
				Annual Programs																		
SOGR	ONGOING	CTT002	6715	Surface Track Replacement Program	B	83,702	3,195	20,293	29,251	18,747	27,258	8,186	103,737	17,194	17,640	18,169	18,625			175,395	262,232	
SOGR	ONGOING	CTT002			P	78,110	6,117	11,281	37,257	18,058	28,294	9,883	104,773	17,194	17,640	18,169	18,625	19,335	-	195,706	279,936	132,768
		CTT002			C	(5,592)	2,922	(9,012)	8,006	(689)	1,036	1,695	1,036	-	-	-	-	19,335	-	20,371	17,704	
SOGR	ONGOING	CTT002	6718	Surface Special Trackwork Replacement Program	B	68,639	18,137	7,358	13,119	17,425	13,279	14,810	66,991	14,366	13,072	13,469	13,805			120,703	207,479	
SOGR	ONGOING	CTT002			P	59,011	16,387	12,031	16,577	13,861	13,279	14,810	70,664	14,366	13,072	13,469	13,805	14,188	-	139,564	214,862	103,529
		CTT002			C	(9,628)	(1,830)	4,673	3,464	(3,464)	-	-	4,673	-	-	-	-	14,188	-	18,861	7,383	
				Existing Projects																		
IMPROV	FINITE	CTT002	6005	Modifications to The Queensway	B	-	152	88	1,007	-	-	-	1,095	-	-	-	-			1,095	1,247	
IMPROV	FINITE	CTT002			P	-	152	88	1,007	-	-	-	1,095	-	-	-	-	-	-	1,095	1,247	1,247
		CTT002			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT002	6127	Russell Yard South End Track Improvement	B	550	550	-	-	-	-	-	-	-	-	-	-			-	1,000	
SOGR	FINITE	CTT002			P	13	100	4,387	-	-	-	-	4,387	-	-	-	-	-	-	4,387	4,500	4,500
		CTT002			C	(337)	(550)	4,387	-	-	-	-	4,387	-	-	-	-	-	-	4,387	3,500	
IMPROV	FINITE	CTT002	6000	Reserved Transit Lanes on St. Clair Avenue	B	57,920	-	-	-	-	-	-	-	-	-	-	-			-	57,920	
IMPROV	FINITE	CTT002			P	55,651	250	750	-	-	-	-	750	-	-	-	-	-	-	750	56,651	56,651
		CTT002			C	(2,269)	250	750	-	-	-	-	750	-	-	-	-	-	-	750	(1,269)	
SOGR	ONGOING	CTT002	Various	1.2 Surface Track City Requested Budget Reduction	B	-	(10,000)	(8,000)	(10,000)	(10,000)	(10,000)	-	(38,000)	-	-	-	-			(38,000)	(48,000)	
SOGR	ONGOING	CTT002			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		CTT002			C	-	10,000	8,000	10,000	10,000	10,000	-	38,000	-	-	-	-	-	-	38,000	48,000	
				Sub-Total Surface Track	SB	210,311	12,144	19,739	33,577	26,172	30,537	23,004	132,823	31,629	30,712	31,638	32,430	-	-	259,133	481,886	
					SP	192,788	22,936	26,537	54,841	32,015	41,573	24,693	181,659	31,559	30,712	31,638	32,430	33,523	-	341,502	557,226	299,102
					SC	(17,523)	10,792	6,798	21,479	5,843	11,036	1,695	46,846	-	-	-	-	33,523	-	82,369	75,338	
				ELECTRICAL SYSTEMS																		
				2.1 Traction Power																		
				Existing Projects																		
SOGR	ONGOING	CTT003	6366	Reconstruction of Streetcar Overhead	B	60,892	13,574	12,085	13,774	3,540	2,500	2,500	37,399	2,500	2,500	2,800	3,500			45,899	119,235	
SOGR	ONGOING	CTT003			P	41,707	10,000	10,000	10,000	10,000	10,000	10,000	50,000	2,746	2,800	2,800	3,500	3,500	-	65,046	116,753	71,707
		CTT003			C	(9,275)	(3,574)	(2,085)	(3,774)	6,460	7,500	7,500	12,601	246	-	-	-	3,500	-	16,347	3,500	
SOGR	ONGOING	CTT003	6620	Overhead Pole Replacement	B	35,876	2,290	2,293	1,692	1,390	500	500	6,372	500	500	700	1,500			9,772	47,938	
SOGR	ONGOING	CTT003			P	35,510	2,595	2,350	1,692	1,390	500	500	6,432	500	500	700	1,500	1,500	-	11,332	49,438	42,348
		CTT003			C	(366)	305	59	-	-	-	-	59	-	-	-	-	1,500	-	1,559	1,500	
SOGR	ONGOING	CTT003	6920	Replace Surface Traction Power Distribution	B	18,617	1,465	1,366	869	500	500	500	3,735	500	500	580	680			5,995	24,077	
SOGR	ONGOING	CTT003			P	15,895	1,712	1,450	869	727	603	551	4,210	500	500	580	680	700	-	7,176	24,777	19,926
		CTT003			C	(722)	247	84	-	227	103	51	475	-	-	-	-	700	-	1,175	700	
SOGR	ONGOING	CTT003	6667	Substation Electrical Rebuild	B	25,471	3,481	3,596	3,586	3,703	3,703	3,814	18,412	3,814	3,929	3,929	4,000			34,084	63,046	
SOGR	ONGOING	CTT003			P	24,560	5,076	3,846	3,846	4,043	3,703	3,703	19,141	3,703	3,729	3,729	4,000	4,000	-	38,302	59,540	37,939
		CTT003			C	(911)	2,187	250	260	340	-	(111)	729	(111)	(200)	(200)	-	4,000	-	4,218	5,494	

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

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

APPENDIX B

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	ONGOING	CTT003	7633	Replace Rectifier Transformers	B	14,410	1,591	1,566	1,566	1,615	1,615	1,663	8,025	1,663	1,713	1,764	1,811			14,980	30,951	
SOGR	ONGOING	CTT003			P	13,911	2,325	1,580	1,580	1,599	1,642	1,663	8,064	1,663	1,713	1,764	1,811	1,865	-	16,880	32,816	10,095
		CTT003			C	(499)	464	12	12	(16)	27	-	35	-	-	-	-	1,865	-	1,900	1,865	
SOGR	ONGOING	CTT003	6147	Electrolysis Control	B	6,952	525	488	520	540	560	600	2,708	625	650	670	680			5,333	14,910	
SOGR	ONGOING	CTT003			P	6,783	794	488	520	540	560	600	2,708	625	650	670	680	700	-	6,033	15,610	10,565
		CTT003			C	(169)	169	-	-	-	-	-	-	-	-	-	-	700	-	700	700	
SOGR	ONGOING	CTT003	7501	Modification of DC Feeder Measuring Circuitry	B	3,540	742	764	764	786	786	809	3,909	809	834	858	884			7,295	11,577	
SOGR	ONGOING	CTT003			P	3,487	795	764	764	786	786	809	3,909	809	834	858	884	900	-	8,195	12,477	5,810
		CTT003			C	(53)	53	-	-	-	-	-	-	-	-	-	-	900	-	900	900	
SOGR	ONGOING	CTT003	7636	Replace LV Feeder Cables	B	2,774	360	250	260	270	270	280	1,330	280	280	280	290			2,460	5,494	
SOGR	ONGOING	CTT003			P	2,727	307	250	260	270	270	280	1,330	280	280	280	290	290	-	2,750	5,784	3,544
		CTT003			C	(47)	47	-	-	-	-	-	-	-	-	-	-	290	-	290	290	
SOGR	FINITE	CTT003	6072	Alternate Feeds for Intersections	B	1,668	1,363	1,300	1,381	1,900	-	-	4,581	-	-	-	-			4,581	7,632	
SOGR	FINITE	CTT003			P	489	471	1,266	1,299	1,333	1,369	1,405	6,672	-	-	-	-	-	-	6,672	7,632	7,632
		CTT003			C	(1,159)	(892)	(34)	(82)	(567)	1,369	1,405	2,091	-	-	-	-	-	-	2,091	-	
SOGR	ONGOING	CTT003	6052	Rebuild TTC Cable Chambers	B	1,908	750	750	770	770	800	800	3,890	800	830	830	830			7,180	9,838	
SOGR	ONGOING	CTT003			P	1,697	1,284	750	664	664	689	800	3,567	800	830	830	830	850	-	7,707	10,688	4,395
		CTT003			C	(211)	534	-	(106)	(106)	(111)	-	(323)	-	-	-	-	850	-	527	850	
SOGR	FINITE	CTT003	6064	Replace Diode Section Insulators	B	1,832	930	935	966	854	-	-	2,775	-	-	-	-			2,775	5,537	
SOGR	FINITE	CTT003			P	1,205	237	739	966	871	749	750	4,095	-	-	-	-	-	-	4,095	5,537	5,537
		CTT003			C	(627)	(693)	(196)	-	17	749	750	1,320	-	-	-	-	-	-	1,320	-	
SOGR	FINITE	CTT003	6103	Traction Power Substations	B	1,716	3,458	1,150	2,500	500	100	-	4,250	-	-	-	-			4,250	9,424	
SOGR	FINITE	CTT003			P	1,191	341	3,296	1,837	2,286	473	-	7,892	-	-	-	-	-	-	7,892	9,424	9,424
		CTT003			C	(525)	(3,117)	2,146	(663)	1,786	373	-	3,642	-	-	-	-	-	-	3,642	-	
SOGR	FINITE	CTT003	6088	Replace Underpass Troughs	B	1,940	430	430	-	-	-	-	430	-	-	-	-			430	2,800	
SOGR	FINITE	CTT003			P	1,409	531	430	430	-	-	-	860	-	-	-	-	-	-	860	2,800	2,800
		CTT003			C	(531)	101	-	430	-	-	-	430	-	-	-	-	-	-	430	-	
SOGR	ONGOING	CTT003	Various	2.1 Traction Power City Requested Budget Reduction	B	-	(10,000)	(10,000)	(5,000)	-	-	-	(15,000)	-	-	-	-			(15,000)	(25,000)	
SOGR	ONGOING	CTT003			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		CTT003			C	-	10,000	10,000	5,000	-	-	-	15,000	-	-	-	-	-	-	15,000	25,000	
				Sub-Total Traction Power	SB	167,706	20,939	17,872	23,880	18,368	11,334	11,465	83,020	11,491	11,738	12,412	14,175	-	-	132,334	321,479	
					SP	152,571	26,771	27,209	24,947	24,509	21,344	21,071	119,080	11,626	11,538	12,212	14,175	14,305	-	182,936	362,279	240,734
					SC	(15,135)	5,832	9,337	1,067	6,141	10,010	9,606	36,060	137	(200)	(200)	-	14,305	-	53,102	40,793	
				2.2 Power Distribution/Electric Systems																		
				Existing Projects																		
SOGR	ONGOING	CTT005	6540	Replace Lighting & Receptacles in Tunnels / Vent Shafts	B	9,903	676	691	706	795	679	689	3,560	689	704	564	600			6,117	16,696	
SOGR	ONGOING	CTT005			P	9,842	737	691	706	722	752	689	3,560	689	704	564	600	640	-	6,757	17,336	11,975
		CTT005			C	(61)	61	-	-	(73)	73	-	-	-	-	-	-	640	-	640	640	
SOGR	FINITE	CTT005	7507	Replacement Lighting for Buildings / Garages/Shops/Carhouses	B	10,359	511	872	637	876	614	151	3,150	150	153	-	-			3,453	14,333	
SOGR	FINITE	CTT005			P	10,292	405	447	664	856	871	174	3,012	155	202	267	-	-	-	3,636	14,333	14,333
		CTT005			C	(67)	(106)	(425)	27	(20)	257	23	(138)	5	39	267	-	-	-	173	-	
SOGR	FINITE	CTT005	6960	Station Security Lighting Upgrades	B	1,683	110	336	304	220	230	170	1,260	222	207	206	250			2,145	3,938	
SOGR	FINITE	CTT005			P	1,656	275	170	506	560	549	222	2,007	-	-	-	-	-	-	2,007	3,938	3,938
		CTT005			C	(27)	165	(166)	202	340	319	52	747	(222)	(207)	(206)	(250)	-	-	(138)	-	
SOGR	FINITE	CTT005	6174	Emergency Lighting - Substations	B	2,546	70	150	125	125	130	80	610	-	-	-	-			610	3,228	
SOGR	FINITE	CTT005			P	2,460	58	30	111	94	151	173	559	151	-	-	-	-	-	710	3,228	3,228
		CTT005			C	(86)	(12)	(120)	(14)	(31)	21	93	(51)	151	-	-	-	-	-	100	-	
SOGR	ONGOING	CTT005	6532	Subway/Substation Lighting Replacement	B	6,954	630	630	645	645	655	670	3,245	660	695	705	725			6,050	13,634	
SOGR	ONGOING	CTT005			P	6,978	688	630	645	645	655	670	3,245	660	695	705	725	725	-	6,775	14,439	5,939
		CTT005			C	24	58	-	-	-	-	-	-	-	-	-	-	725	-	725	805	
SOGR	ONGOING	CTT005	6628	Replace Subway Station Breakers	B	7,671	580	590	600	610	610	620	3,030	620	620	620	620			5,510	13,761	
SOGR	ONGOING	CTT005			P	7,601	694	680	533	543	610	620	2,986	620	620	620	620	620	-	6,086	14,381	9,508
		CTT005			C	(70)	114	90	(67)	(67)	-	-	(44)	-	-	-	-	620	-	576	620	
SOGR	ONGOING	CTT005	7661	Signal System Back-up Power Supply Rehabilitation	B	5,910	630	510	520	300	300	300	1,930	-	-	-	-			1,930	8,470	
SOGR	ONGOING	CTT005			P	5,986	609	500	485	290	300	300	1,875	300	300	300	300	300	-	3,375	9,970	7,580
		CTT005			C	76	(21)	(10)	(35)	(10)	-	-	(55)	300	300	300	300	300	-	1,445	1,500	
SOGR	ONGOING	CTT005	7834	Replace / Rebuild Auxiliary Transformers	B	3,750	568	451	462	401	438	466	2,218	594	515	500	500			4,327	8,645	
SOGR	ONGOING	CTT005			P	3,716	586	453	462	475	479	480	2,349	480	500	506	508	523	-	4,866	9,168	5,217
		CTT005			C	(34)	18	2	-	74	41	14	131	(114)	(15)	6	8	523	-	539	523	
SOGR	ONGOING	CTT005	7255	Replace Electrically Operated Isolating Switches and Switchstands	B	4,651	330	333	340	200	200	210	1,283	210	210	210	210			2,123	7,104	
SOGR	ONGOING	CTT005			P	4,393	393	333	340	303	302	210	1,488	210	210	210	210	210	-	2,538	7,314	5,449
		CTT005			C	(258)	63	-	-	103	102	-	205	-	-	-	-	210	-	415	210	
SOGR	ONGOING	CTT005	7504	Repair / Upgrade Low Voltage Switchboards	B	3,819	500	510	520	509	540	550	2,629	560	570	580	590			4,929	9,248	
SOGR	ONGOING	CTT005			P	3,805	514	510	520	509	540	550	2,629	560	570	580	590	600	-	5,529	9,848	5,349
		CTT005			C	(14)	14	-	-	-	-	-	-	-	-	-	-	600	-	600	600	
SOGR	ONGOING	CTT005	6536	Battery & Battery Charger Replacement	B	4,734	525	535	545	546	567	579	2,774	590	602	612	636			5,214	10,473	
SOGR	ONGOING	CTT005			P	4,307	717	570	580	584	696	579	3,009	590	602	612	636	646	-	6,097	11,121	6,174
		CTT005			C	(427)	192	35	35	38	129	-	235	-	-	-	-	646	-	883	648	

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APPENDIX B

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	ONGOING	CTT005	6804	Subway Track Side Heating Equipment	B	8,676	590	552	250	325	335	350	1,862	365	375	390	450			3,392	12,788	
SOGR	ONGOING	CTT005			P	8,034	941	2,002	942	620	625	375	4,626	375	375	390	450	600	-	6,766	16,361	12,600
		CTT005			C	(162)	371	1,510	653	295	291	25	2,774	10	-	-	-	600	-	3,384	3,573	
SOGR	ONGOING	CTT005	6205	UPS Replacement	B	2,559	522	450	465	465	465	475	2,310	475	475	475	475			4,210	7,291	
SOGR	ONGOING	CTT005			P	2,365	615	531	459	465	465	475	2,391	475	475	475	475	475	-	4,766	7,766	3,986
		CTT005			C	(174)	99	81	-	-	-	-	81	-	-	-	-	475	-	556	475	
SOGR	ONGOING	CTT005	6129	Shorting Switches	B	556	300	441	451	422	316	310	1,934	310	320	320	330			3,214	4,200	
SOGR	ONGOING	CTT005			P	515	471	433	435	429	316	320	1,933	310	320	320	330	340	-	3,553	4,540	1,855
		CTT005			C	(179)	171	(8)	(16)	7	6	10	(1)	-	-	-	-	340	-	339	340	
SOGR	FINITE	CTT005	6617	Lighting in Open Cut	B	617	100	585	763	1,841	1,909	-	5,111	-	-	-	-			5,111	5,828	
SOGR	FINITE	CTT005			P	541	17	250	1,396	2,772	2,672	-	7,290	-	-	-	-	-	-	7,290	8,002	8,002
		CTT005			C	(76)	71	(335)	611	931	972	-	2,179	-	-	-	-	-	-	2,179	2,174	
SOGR	ONGOING	CTT005	6677	Surface Building UPS Retrofit Program	B	443	72	50	50	50	50	50	250	50	50	50	50			450	975	
SOGR	ONGOING	CTT005			P	20	495	50	50	50	50	50	250	50	50	50	50	65	-	465	1,040	615
		CTT005			C	(423)	423	-	-	-	-	-	-	-	-	-	-	65	-	65	65	
				New Projects																		
IMPROV	ONGOING	CTT005	6611	Mobile Generators - Connections	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
IMPROV	ONGOING	CTT005			P	-	-	201	201	201	210	210	1,023	220	220	230	230	240	-	2,163	2,163	402
		CTT005			C	-	-	201	201	201	210	210	1,023	220	220	230	230	240	-	2,163	2,163	
				Sub-Total Power Distribution/ Electric Systems	SB	75,103	6,714	7,665	7,456	9,372	8,023	5,676	37,148	5,515	5,508	5,332	5,396	-	-	58,798	140,612	
					SP	73,122	5,387	8,341	9,032	10,118	10,444	6,697	44,632	5,865	5,843	5,826	5,634	5,866	-	73,429	154,948	139,100
					SC	(1,981)	1,675	555	1,597	1,786	2,421	427	7,086	350	337	597	286	5,866	-	14,544	14,336	
				2.3 Communications																		
				Existing Projects																		
SOGR	FINITE	CTT006	5849	System Security / Safety Upgrades	B	15,659	693	1,650	760	808	738	531	4,537	-	-	-	-			4,537	21,089	
SOGR	FINITE	CTT006			P	14,887	1,250	-	-	-	-	-	-	-	-	-	-	-	-	-	16,137	16,137
		CTT006			C	(972)	257	(1,650)	(760)	(808)	(738)	(531)	(4,537)	-	-	-	-	-	-	(4,537)	(4,952)	
SOGR	ONGOING	CTT006	6003	Video Equipment	B	1,910	248	250	250	250	255	260	1,265	265	270	275	279			2,354	3,912	
SOGR	ONGOING	CTT006			P	1,103	352	2,638	1,483	1,326	1,542	791	8,189	472	611	802	815	828	-	11,715	13,170	5,878
		CTT006			C	(207)	104	2,688	1,233	1,085	1,337	531	6,924	207	341	527	536	828	-	9,361	9,258	
SOGR	FINITE	CTT006	6080	Industrial Security Improvements of TTC Properties	B	5,587	365	1,503	1,430	2,435	234	-	5,602	-	-	-	-			5,602	11,554	
SOGR	FINITE	CTT006			P	5,435	413	435	2,384	4,203	2,184	2,700	12,006	200	-	-	-	-	-	12,206	16,054	16,054
		CTT006			C	(152)	48	(1,648)	954	1,848	1,950	2,700	6,404	200	-	-	-	-	-	6,604	6,500	
LEGIS	FINITE	CTT006	7856	Radio Replacement	B	4,368	5,147	2,341	2,761	425	425	-	5,953	-	-	-	-			5,953	15,468	
LEGIS	FINITE	CTT006			P	1,959	5,370	3,328	3,346	732	729	-	8,137	-	-	-	-	-	-	8,137	15,496	15,466
		CTT006			C	(2,407)	223	987	587	307	304	-	2,184	-	-	-	-	-	-	2,184	-	
SOGR	ONGOING	CTT006	6546	Voice Recording System Replacement	B	1,259	122	123	125	337	165	130	880	130	131	345	165			1,656	3,038	
SOGR	ONGOING	CTT006			P	1,127	254	123	125	337	165	130	880	130	131	345	165	137	-	1,792	3,173	1,659
		CTT006			C	(132)	132	-	-	-	-	-	-	-	-	-	-	137	-	137	137	
SOGR	ONGOING	CTT006	6561	Subway Station Fire Alarm Modifications	B	4,633	493	607	549	676	69	50	2,031	50	50	50	250			2,481	7,605	
SOGR	ONGOING	CTT006			P	4,650	605	70	406	712	683	50	1,921	50	50	50	250	250	-	2,571	7,855	7,116
		CTT006			C	15	145	(537)	(243)	36	564	-	(160)	-	-	-	-	250	-	90	250	
SOGR	ONGOING	CTT006	6962	Building Fire Alarm Upgrades	B	4,830	1,215	1,928	1,328	2,284	2,475	1,329	9,341	743	736	700	700			12,220	18,265	
SOGR	ONGOING	CTT006			P	5,173	1,351	105	1,750	2,336	2,500	1,859	8,550	694	816	781	700	700	-	12,441	18,965	14,142
		CTT006			C	343	136	(1,823)	425	52	25	530	(791)	151	80	81	-	700	-	221	700	
SOGR	FINITE	CTT006	6229	Subway Station PA System	B	2,550	996	936	612	492	386	-	2,426	-	-	-	-			2,426	5,972	
SOGR	FINITE	CTT006			P	2,416	777	1,274	615	498	394	-	2,781	-	-	-	-	-	-	2,781	5,975	5,976
		CTT006			C	(133)	(199)	339	3	6	8	-	355	-	-	-	-	-	-	355	34	
SOGR	ONGOING	CTT006	6504	Cable Replacement	B	1,425	738	711	733	200	204	207	2,055	212	215	221	225			2,928	5,155	
SOGR	ONGOING	CTT006			P	1,289	194	711	733	200	204	207	2,055	212	215	221	225	750	-	3,678	5,155	2,931
		CTT006			C	(146)	(604)	-	-	-	-	-	-	-	-	-	-	750	-	750	-	
SOGR	FINITE	CTT006	6297	RTU Expansion	B	2,168	330	387	395	432	443	-	1,657	-	-	-	-			1,657	4,205	
SOGR	FINITE	CTT006			P	2,237	341	-	-	-	-	-	-	-	-	-	-	-	-	-	2,578	2,578
		CTT006			C	69	(39)	(387)	(395)	(432)	(443)	-	(1,657)	-	-	-	-	-	-	(1,657)	(1,627)	
SOGR	FINITE	CTT006	6172	Track Level Occupancy Lights	B	647	326	484	491	502	507	321	2,305	-	-	-	-			2,305	3,281	
SOGR	FINITE	CTT006			P	317	568	353	533	545	555	541	2,527	234	-	-	-	-	-	2,761	3,643	3,643
		CTT006			C	(330)	236	(131)	42	43	48	210	222	234	-	-	-	-	-	456	362	
SOGR	FINITE	CTT006	6224	FibreOptic Upgrade	B	201	-	-	252	356	310	356	1,284	202	-	-	-			1,486	1,687	
SOGR	FINITE	CTT006			P	153	48	-	754	1,100	951	1,089	3,894	646	-	-	-	-	-	4,540	4,751	4,751
		CTT006			C	(48)	48	-	502	744	641	733	2,620	444	-	-	-	-	-	3,064	3,064	
SOGR	ONGOING	CTT006	6225	Radio System Battery Replacement	B	225	105	107	110	113	116	120	566	122	125	127	130			1,070	1,410	
SOGR	ONGOING	CTT006			P	167	105	107	110	113	116	120	566	122	125	127	130	133	-	1,203	1,465	569
		CTT006			C	(58)	-	-	-	-	-	-	-	-	-	-	-	133	-	133	55	
SOGR	ONGOING	CTT006	6561	SCADA RTU Upgrades	B	74	154	660	695	518	515	520	2,920	533	546	563	569			5,125	5,353	
SOGR	ONGOING	CTT006			P	27	201	2,218	1,972	832	735	266	6,023	173	180	184	187	250	-	7,012	7,240	6,251
		CTT006			C	(47)	47	1,558	1,286	314	219	(254)	3,103	(360)	(366)	(379)	(376)	250	-	1,887	1,887	
SOGR	FINITE	CTT006	6196	Garage / Clamhouse Public Address & Intercoms	B	3,500	50	450	500	500	-	-	1,450	-	-	-	-			1,450	5,000	
SOGR	FINITE	CTT006			P	3,593	123	230	602	588	300	-	2,318	-	-	-	-	-	-	2,318	6,034	6,034
		CTT006			C	93	73	(220)	402	388	300	-	868	-	-	-	-	-	-	868	1,034	

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APPENDIX B

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SOGR	FINITE	CTT006	6338	Subway Radio Antenna System (SRAS) Overhaul	B	-	2,442	2,572	2,521	2,531	2,500	2,428	12,552	-	-	-	-			12,552	14,994	
SOGR	FINITE	CTT006			P	-	395	2,288	2,521	2,531	2,540	2,648	12,528	2,756	-	-	-	-	-	15,282	15,677	15,677
		CTT006			C	-	(2,047)	(285)	-	-	40	220	(26)	2,756	-	-	-	-	-	2,730	683	
SOGR	FINITE	CTT006	6379	Passenger Assist Intercom Upgrade (DWA)	B	-	146	391	770	781	760	-	2,662	-	-	-	-			2,662	2,808	
SOGR	FINITE	CTT006			P	-	146	391	770	781	760	-	2,662	-	-	-	-	-	-	2,662	2,808	2,808
		CTT006			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT006	6361	PAX Phone Conversion from Bell Canada to TTC system	B	-	703	648	1,029	-	-	-	1,677	-	-	-	-			1,677	2,380	
SOGR	FINITE	CTT006			P	-	44	122	560	646	1,008	-	2,336	-	-	-	-	-	-	2,336	2,380	2,380
		CTT006			C	-	(659)	(526)	(469)	646	1,008	-	659	-	-	-	-	-	-	659	-	
SOGR	FINITE	CTT006	6144	SCADA RTU - Surface Properties	B	261	269	220	222	314	-	-	756	-	-	-	-			756	1,277	
SOGR	FINITE	CTT006			P	333	272	236	222	314	-	-	772	-	-	-	-	-	-	772	1,277	1,277
		CTT006			C	(28)	12	16	-	-	-	-	16	-	-	-	-	-	-	16	-	
SOGR	ONGOING	CTT006	7724	Emergency Trip System Replacement	B	4,893	95	95	79	-	-	-	174	-	-	-	-			174	5,162	
SOGR	ONGOING	CTT006			P	4,789	204	125	97	30	-	-	252	289	705	2,631	2,843	2,773	-	9,293	14,286	5,245
		CTT006			C	(104)	109	29	19	30	-	-	78	289	705	2,631	2,843	2,773	-	9,119	9,124	
SOGR	FINITE	CTT006	6037	SCADA Master Replacement	B	629	1,371	1,449	699	-	-	-	2,149	-	-	-	-			2,149	4,548	
SOGR	FINITE	CTT006			P	150	1,038	1,410	1,320	1,200	-	-	3,930	-	-	-	-	-	-	3,930	5,118	5,118
		CTT006			C	(679)	(333)	(39)	621	1,200	-	-	1,782	-	-	-	-	-	-	1,782	570	
SOGR	FINITE	CTT006	6380	McBrien Building Radio Relocation	B	-	350	2,500	260	-	-	-	2,760	-	-	-	-			2,760	3,110	
SOGR	FINITE	CTT006			P	-	57	743	2,604	306	-	-	3,653	-	-	-	-	-	-	3,653	3,110	3,110
		CTT006			C	-	(293)	(1,757)	1,744	306	-	-	293	-	-	-	-	-	-	293	-	
SOGR	FINITE	CTT006	6378	Transit Control ICS and SCADA Integration	B	-	151	210	133	-	-	-	343	-	-	-	-			343	494	
SOGR	FINITE	CTT006			P	-	89	210	195	-	-	-	405	-	-	-	-	-	-	405	494	494
		CTT006			C	-	(62)	-	62	-	-	-	62	-	-	-	-	-	-	62	-	
SOGR	FINITE	CTT006	6694	Train Door Monitoring	B	1,669	3,474	6,219	565	-	-	-	6,784	-	-	-	-			6,784	12,227	
SOGR	FINITE	CTT006			P	239	895	2,648	4,522	3,620	-	-	10,790	-	-	-	-	-	-	10,790	12,227	12,227
		CTT006			C	(1,430)	(2,579)	(3,571)	3,957	3,620	-	-	4,206	-	-	-	-	-	-	4,206	-	
SOGR	FINITE	CTT006	6695	Turnback Locations	B	43	-	255	220	-	-	-	475	-	-	-	-			475	518	
SOGR	FINITE	CTT006			P	46	-	252	220	-	-	-	472	-	-	-	-	-	-	472	518	518
		CTT006			C	3	-	(3)	-	-	-	-	(3)	-	-	-	-	-	-	(3)	-	
IMPROV	FINITE	CTT006	6656	Commuter Parking Lots CCTV	B	312	344	-	-	-	-	-	-	-	-	-	-			-	656	
IMPROV	FINITE	CTT006			P	8	294	-	-	-	-	-	-	-	-	-	-	-	-	-	302	302
		CTT006			C	(304)	(50)	-	-	-	-	-	-	-	-	-	-	-	-	-	(354)	
SOGR	FINITE	CTT006	6241	Fibre Cable to CIS Divisions	B	539	-	-	-	-	-	-	-	-	-	-	-			-	539	
SOGR	FINITE	CTT006			P	423	116	-	-	-	-	-	-	-	-	-	-	-	-	-	539	539
		CTT006			C	(116)	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT006	6251	Elevator/Escalator Remote Monitoring System	B	3,950	1,131	1,324	-	-	-	-	1,324	-	-	-	-			1,324	6,405	
SOGR	FINITE	CTT006			P	4,285	1,305	1,230	-	-	-	-	1,230	-	-	-	-	-	-	1,230	6,820	5,820
		CTT006			C	335	174	(94)	-	-	-	-	(94)	-	-	-	-	-	-	(94)	415	
IMPROV	FINITE	CTT006	6639	Garage CCTV	B	571	-	-	-	-	-	-	-	-	-	-	-			-	571	
IMPROV	FINITE	CTT006			P	506	149	-	-	-	-	-	-	-	-	-	-	-	-	-	655	655
		CTT006			C	(65)	149	-	-	-	-	-	-	-	-	-	-	-	-	-	84	
SOGR	FINITE	CTT006	6239	Communications System Security Risk Study and implementation	B	229	105	39	-	-	-	-	39	-	-	-	-			39	373	
SOGR	FINITE	CTT006			P	157	177	39	-	-	-	-	39	-	-	-	-	-	-	39	373	373
		CTT006			C	(72)	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT006	6377	CCTV in The Yards	B	309	627	-	65	-	-	-	95	-	-	-	-			95	1,031	
SOGR	FINITE	CTT006			P	224	8	-	-	-	-	-	-	-	-	-	-	-	-	-	232	232
		CTT006			C	(85)	(619)	-	(65)	-	-	-	(95)	-	-	-	-	-	-	(95)	(799)	
SOGR	FINITE	CTT006	6161	Radio Antenna Modifications	B	1,362	-	-	-	-	-	-	-	-	-	-	-			-	1,362	
SOGR	FINITE	CTT006			P	782	580	-	-	-	-	-	-	-	-	-	-	-	-	-	1,362	1,362
		CTT006			C	(580)	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				New Projects																		
SOGR	FINITE	CTT006	6777	Prince Edward Viaduct Pier Rehabilitation: Cable Replacement	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT006			P	-	2,162	770	-	-	-	-	770	-	-	-	-	-	-	770	2,932	2,932
		CTT006			C	-	2,162	770	-	-	-	-	770	-	-	-	-	-	-	770	2,932	
SOGR	FINITE	CTT006	6851	AODA Compliance Upgrades	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT006			P	-	-	2,224	3,377	1,356	1,155	-	8,112	-	-	-	-	-	-	8,112	8,112	8,112
		CTT006			C	-	-	2,224	3,377	1,356	1,155	-	8,112	-	-	-	-	-	-	8,112	8,112	
				Sub-Total Communications	SB	63,617	22,761	20,650	17,701	13,955	10,155	6,250	78,111	2,237	2,073	2,281	2,315		-	85,036	175,416	
					SP	56,491	19,913	24,779	30,535	24,693	19,611	10,391	107,408	6,133	2,553	5,141	5,159	5,629	-	132,511	208,915	181,264
					SC	(7,126)	(2,848)	(3,872)	12,832	10,738	9,456	4,141	31,293	3,896	760	2,860	2,844	5,629	-	47,475	33,499	
				2.4 Signal Systems																		
				Existing Projects																		
SOGR	FINITE	CTT142	7733	YUS ATC Resignalling	B	194,257	87,594	96,161	82,201	82,230	17,225	167	280,984	-	-	-	-			280,984	562,835	
SOGR	FINITE	CTT142			P	169,518	68,373	78,136	75,895	78,114	53,954	31,225	319,325	5,619	-	-	-	-	-	324,944	562,835	562,835
		CTT142			C	(24,739)	(19,221)	(18,025)	(6,306)	(4,116)	36,729	31,059	38,341	5,619	-	-	-	-	-	43,960	-	
SOGR	FINITE	CTT142	6206	Bloor-Danforth ATC Resignalling	B	-	-	500	1,500	14,378	32,999	39,430	88,807	46,719	49,840	56,213	60,000			300,687	300,687	
SOGR	FINITE	CTT142			P	-	-	500	1,500	14,178	26,799	29,467	72,444	34,977	36,872	47,366	50,938	58,090	130,778	300,687	431,465	300,687
		CTT142			C	-	-	-	-	(200)	(6,200)	(9,963)	(16,363)	(10,742)	(13,076)	(8,847)	(9,062)	58,090	130,778	-	130,778	

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

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

APPENDIX B

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	ONGOING	CTT008	6610	Switch Machine Replacement / Refurbishment	B	18,731	1,147	869	694	794	856	730	3,563	680	685	678	695			9,281	23,159	
SOGR	ONGOING	CTT008			P	16,061	1,213	724	830	650	769	811	4,001	660	605	678	695	713	-	7,432	24,706	18,629
		CTT008			C	330	66	55	146	55	100	81	438	-	-	-	-	713	-	1,151	1,547	
SOGR	FINITE	CTT008	6616	Subway Signal System Alterations	B	13,251	421	300	-	-	-	-	300	-	-	-	-			300	13,972	
SOGR	FINITE	CTT008			P	13,283	721	1,012	1,447	1,211	1,218	643	5,531	-	-	-	-	-	-	5,531	19,535	18,535
		CTT008			C	32	300	712	1,447	1,211	1,218	643	5,231	-	-	-	-	-	-	5,231	5,563	
SOGR	FINITE	CTT008	7044	Structural Trackswitch & Controllers Rehabilitation & Replacement	B	2,482	1,399	2,421	2,720	2,768	3,748	-	11,675	-	-	-	-			11,675	15,356	
SOGR	FINITE	CTT008			P	2,314	672	3,116	2,720	2,768	3,748	-	12,370	-	-	-	-	-	-	12,370	15,356	15,356
		CTT008			C	(168)	(537)	695	-	-	-	-	695	-	-	-	-	-	-	695	-	
SOGR	ONGOING	CTT008	6005	Signal Cable Replacement	B	2,359	456	471	480	493	494	506	2,444	518	532	543	557			4,593	7,410	
SOGR	ONGOING	CTT008			P	2,602	456	730	748	770	788	808	3,844	519	532	543	557	577	-	6,572	9,030	4,530
		CTT008			C	243	-	259	268	277	294	302	1,400	-	-	-	-	577	-	1,977	2,220	
SOGR	FINITE	CTT008	7226	Replace Signal Instrument Cases	B	2,028	465	296	271	263	223	229	1,272	235	241	-	-			1,748	4,241	
SOGR	FINITE	CTT008			P	1,571	922	361	326	263	223	229	1,392	235	241	-	-	-	-	1,868	4,391	4,391
		CTT008			C	(457)	457	65	55	-	-	-	120	-	-	-	-	-	-	120	120	
SOGR	FINITE	CTT008	7230	Trainstop Replacement	B	14,352	709	84	-	-	-	-	84	-	-	-	-			84	15,145	
SOGR	FINITE	CTT008			P	14,279	782	496	402	362	364	368	1,992	-	-	-	-	-	-	1,992	17,053	17,053
		CTT008			C	(73)	73	414	402	362	364	368	1,908	-	-	-	-	-	-	1,908	1,908	
SOGR	FINITE	CTT008	6434	Event Recorder Replacement	B	72	899	849	175	-	-	-	1,024	-	-	-	-			1,024	1,986	
SOGR	FINITE	CTT008			P	72	310	564	524	516	-	-	1,604	-	-	-	-	-	-	1,604	1,986	1,986
		CTT008			C	-	(589)	(285)	349	516	-	-	580	-	-	-	-	-	-	580	-	
SOGR	FINITE	CTT008	6287	Wilson Yard Resignalling	B	-	-	400	3,600	9,000	11,000	12,000	36,000	5,025	-	-	-			41,025	41,025	
SOGR	FINITE	CTT008			P	-	2,023	4,239	8,757	11,038	8,996	5,972	39,002	-	-	-	-	-	-	39,002	41,025	41,025
		CTT008			C	-	2,023	3,839	5,157	2,038	(2,004)	(6,028)	3,002	(5,025)	-	-	-	-	-	(2,023)	-	
SOGR	FINITE	CTT008	TBC	Signalling of Davisville Yard	B	-	-	-	1,422	1,423	1,400	1,400	5,645	1,395	-	-	-			7,040	7,040	
SOGR	FINITE	CTT008			P	-	-	-	1,422	1,423	1,400	1,400	5,645	1,395	-	-	-	-	-	7,040	7,040	7,040
		CTT008			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT009	6616	Continuous Speed Control System	B	48,834	3,744	555	504	-	-	-	1,062	-	-	-	-			1,062	53,640	
SOGR	FINITE	CTT009			P	50,698	1,567	2,923	1,410	214	-	-	4,547	-	-	-	-	-	-	4,547	57,012	57,012
		CTT009			C	2,094	(2,177)	2,368	906	214	-	-	3,485	-	-	-	-	-	-	3,485	3,372	
SOGR	FINITE	CTT009	6252	Yard Interchange Signal Upgrades	B	578	224	226	-	-	-	-	226	-	-	-	-			226	1,028	
SOGR	FINITE	CTT009			P	455	224	230	621	-	-	-	851	-	-	-	-	-	-	851	1,530	1,530
		CTT009			C	(123)	-	4	621	-	-	-	625	-	-	-	-	-	-	625	502	
SOGR	FINITE	CTT009	6438	SRT Loop Cable and Axle Counter Replacement	B	360	144	151	147	-	-	-	298	-	-	-	-			298	805	
SOGR	FINITE	CTT009			P	252	144	262	147	-	-	-	409	-	-	-	-	-	-	409	805	805
		CTT009			C	(111)	-	111	-	-	-	-	111	-	-	-	-	-	-	111	-	
SOGR	FINITE	CTT009	6293	Workcar Advance Warning System	B	-	1,664	671	-	-	-	-	671	-	-	-	-			671	2,235	
SOGR	FINITE	CTT009			P	-	131	3,638	-	-	-	-	3,638	-	-	-	-	-	-	3,638	3,769	3,769
		CTT009			C	-	(1,433)	2,967	-	-	-	-	2,967	-	-	-	-	-	-	2,967	1,534	
				Sub-Total Signal Systems	SB	294,307	38,567	138,787	93,704	111,337	67,773	64,402	474,003	53,873	31,356	37,434	31,232	-	-	657,700	1,050,564	
					SP	271,305	77,536	95,933	100,749	109,715	96,276	70,922	475,595	43,425	39,310	48,587	32,190	38,380	128,778	718,487	1,158,108	1,056,558
					SC	(23,002)	(21,019)	(9,824)	7,046	(1,622)	30,501	16,480	42,580	(10,148)	(13,076)	(8,847)	(9,082)	59,380	128,778	60,787	147,544	
				BUILDINGS & STRUCTURES																		
				3.1 Finishes																		
				Annual Programs																		
SOGR	ONGOING	CTT010	6663	Roofing Rehabilitation Program	B	46,526	9,929	12,301	12,440	10,829	10,280	20,000	66,449	20,000	20,000	20,501	10,000			136,947	196,802	
SOGR	ONGOING	CTT010			P	46,313	9,929	6,254	13,845	13,657	12,816	19,486	66,059	20,000	20,000	20,501	10,000	7,941	-	144,501	200,743	192,356
		CTT010			C	397	-	(6,047)	1,405	2,832	1,936	(512)	(387)	-	-	-	-	7,941	-	7,554	7,941	
SOGR	ONGOING	CTT010	6664	Masonry Structure Restoration	B	6,067	537	570	570	570	705	742	3,157	592	525	503	500			5,247	11,851	
SOGR	ONGOING	CTT010			P	6,261	357	497	737	737	571	571	3,113	592	525	503	500	500	-	5,703	12,351	6,032
		CTT010			C	194	(150)	(73)	167	167	(134)	(171)	(44)	-	-	-	-	500	-	456	500	
				Existing Projects																		
SOGR	FINITE	CTT010	7665	Overhead Doors	B	5,418	1,277	933	945	1,460	665	-	4,003	-	-	-	-			4,003	10,698	
SOGR	FINITE	CTT010			P	6,329	715	586	1,749	4,084	332	503	7,223	-	-	-	-	-	-	7,223	13,267	13,267
		CTT010			C	(89)	(562)	(345)	804	2,624	(333)	503	3,220	-	-	-	-	-	-	3,220	2,569	
SOGR	ONGOING	CTT010	6403	Subway Station Ceiling Replacement Program	B	20	40	160	220	270	300	350	1,300	400	400	350	300			2,750	2,800	
SOGR	ONGOING	CTT010			P	4	40	76	280	300	300	350	1,306	400	400	350	300	300	-	3,056	3,100	400
		CTT010			C	(16)	-	(74)	60	30	-	-	16	-	-	-	-	300	-	316	300	
SOGR	ONGOING	CTT010	6405	Station Finish Renewal Program	B	-	250	250	350	900	1,800	1,750	4,750	-	-	-	-			4,750	5,000	
SOGR	ONGOING	CTT010			P	-	500	1,300	2,050	1,650	500	500	5,950	400	-	-	-	-	44,250	6,350	50,750	6,500
		CTT010			C	-	250	750	1,650	750	(1,000)	(1,250)	950	400	-	-	-	-	44,250	1,350	45,750	
IMPROV	FINITE	CTT010	6582	Station Modernization Program	B	29,207	6,498	4,122	1,639	900	-	-	6,661	-	-	-	-			6,661	42,366	
IMPROV	FINITE	CTT010			P	33,652	7,638	603	187	216	-	-	1,006	-	-	-	-	-	-	1,006	42,366	42,366
		CTT010			C	4,455	1,200	(3,519)	(1,452)	(684)	-	-	(5,655)	-	-	-	-	-	-	(5,655)	-	
				New Projects																		
SOGR	FINITE	CTT010	6970	Interchange Station Rehabilitation - Eglinton Crosstown LRT - Study	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT010			P	-	-	200	-	-	-	-	200	-	-	-	-	-	-	200	200	200
		CTT010			C	-	-	200	-	-	-	-	200	-	-	-	-	-	-	200	200	

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TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET
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($000's)

APPENDIX B

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	ONGOING	CTT010	Various	3.1 Finishes City Requested Budget Reduction	B	-	-	(10,000)	-	-	-	-	(10,000)	(10,000)	(10,000)	(10,000)	-			(40,000)	(40,000)	
SOGR	ONGOING	CTT010			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		CTT010			C	-	-	10,000	-	-	-	-	10,000	10,000	10,000	10,000	-	-	-	40,000	40 000	
				Sub-Total Finishes	SB	89,638	18,471	8,326	13,164	14,955	14,050	22,842	76,337	10,992	10,925	11,354	10,800	-	-	123,378	228,487	
					SP	94,569	19,209	9,218	15,798	20,564	14,518	21,409	84,507	21,362	20,925	21,354	10,800	8,741	44,253	167,689	325,717	172,761
					SC	4,931	738	892	2,634	5,609	468	(1,433)	8,170	10,400	10,000	10,000	-	8,741	44,253	47,311	97,230	

3.2 Equipment

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
				Annual Programs																		
SOGR	ONGOING	CTT012	5912	Subway Escalator Overhaul Program	B	53,678	6,167	5,884	7,762	7,856	7,942	8,212	37,656	8,402	8,592	8,797	8,999			72,426	132,271	
SOGR	ONGOING	CTT012			P	52,519	5,821	5,764	8,071	9,135	9,354	9,583	41,907	9,905	9,309	9,252	9,337	6,633	-	86,343	145,483	73,975
		CTT012			C	(1,159)	454	(120)	309	1,299	1,412	1,371	4,271	1,503	717	455	338	6,633	-	13,917	13,212	
SOGR	ONGOING	CTT012	6655	Subway Pump Replacement Program	B	8,219	3,350	5,104	3,771	2,904	11,401	5,415	28,595	5,000	5,000	4,640	5,000			48,235	56,804	
SOGR	ONGOING	CTT012			P	8,762	2,475	2,925	7,873	8,626	4,759	5,620	29,803	5,620	3,144	5,000	5,000	5,000	-	53,567	64,804	50,017
		CTT012			C	543	(875)	(2,179)	4,102	5,722	(6,642)	205	1,208	620	(1,856)	360	-	5,000	-	5,332	5,000	
				Existing Projects																		
LEGIS	FINITE	CTT012	594X	Fall Prevention Systems	B	7,673	738	1,199	739	916	713	601	4,168	300	300	300	300			5,568	13,979	
LEGIS	FINITE	CTT012			P	7,361	944	623	1,525	1,115	759	746	4,768	689	751	876	371	743	223	8,700	17,226	17,905
		CTT012			C	(312)	206	(576)	786	199	46	145	600	389	451	576	371	743	223	3,132	3,249	
SOGR	FINITE	CTT012	590X	Bus Cleaning Equipment Program	B	5,985	-	-	-	151	3,491	5,014	8,656	624	-	-	-			9,280	15,265	
SOGR	FINITE	CTT012			P	5,944	-	-	-	152	3,531	5,014	8,697	624	-	-	-	-	-	9,321	15,265	15,265
		CTT012			C	(41)	-	-	-	1	40	-	41	-	-	-	-	-	-	41	-	
SOGR	FINITE	CTT012	6281	Elevator Overhaul	B	5,543	1,349	1,335	747	500	320	-	2,932	-	-	-	-			2,933	9,824	
SOGR	FINITE	CTT012			P	5,166	1,555	2,220	803	84	-	50	3,157	210	510	410	-	-	-	4,287	11,008	11,036
		CTT012			C	(377)	206	885	56	(416)	(320)	50	225	210	510	410	-	-	-	1,355	1,184	
SOGR	FINITE	CTT012	6050	Bus Hoists (incl. transfer from 3.5 6091 New Articulated Bus Hoists & M	B	10,712	5,791	6,365	8,823	11,941	6,001	4,039	37,169	9,420	7,928	5,161	-			59,678	76,181	
SOGR	FINITE	CTT012			P	10,764	6,250	3,926	10,773	11,786	6,234	4,039	36,758	9,420	7,928	5,161	-	-	-	59,267	76,281	76,281
		CTT012			C	52	459	(2,439)	1,950	(155)	233	-	(411)	-	-	-	-	-	-	(411)	100	
SOGR	FINITE	CTT012	6483	Subway Machine Rooms Air Conditioning Systems	B	1,256	939	1,062	1,443	1,371	1,408	1,114	6,404	623	501	156	-			7,684	9,879	
SOGR	FINITE	CTT012			P	768	55	1,393	1,442	1,301	1,311	1,383	6,830	1,166	701	359	-	-	-	9,056	9,879	9,879
		CTT012			C	(488)	(884)	326	(1)	(70)	(97)	269	426	543	200	203	-	-	-	1,372	-	
SOGR	FINITE	CTT012	6176	Bus Washracks	B	2,692	2,263	450	1,050	1,640	1,587	1,260	5,987	1,188	1,250	620	-			9,045	14,000	
SOGR	FINITE	CTT012			P	3,626	1,088	140	3,551	7,160	4,145	3,578	18,574	4,125	2,075	-	-	-	-	24,774	29,488	29,488
		CTT012			C	934	(1,175)	(310)	2,501	5,520	2,558	2,318	12,587	2,937	825	(620)	-	-	-	15,729	15,488	
SOGR	ONGOING	CTT012	6161	Escalator Replacement Program	B	1,500	1,546	2,075	1,415	1,487	1,715	1,941	8,633	1,693	2,285	2,273	1,150			16,034	19,380	
SOGR	ONGOING	CTT012			P	1,293	520	2,159	2,986	1,964	1,892	2,143	11,144	1,682	2,400	2,273	1,120	1,925	-	20,544	23,357	8,763
		CTT012			C	(207)	(1,026)	84	1,571	477	177	202	2,511	(11)	115	-	(30)	1,625	-	4,210	2,977	
LEGIS	FINITE	CTT012	6465	Diesel Emission Control Equipment	B	700	718	1,196	761	250	-	-	2,207	-	-	-	-			2,207	3,625	
LEGIS	FINITE	CTT012			P	652	1,000	300	1,799	1,346	174	-	3,619	-	-	-	-	-	-	3,619	5,271	5,271
		CTT012			C	(51)	282	(896)	1,038	1,096	174	-	1,412	-	-	-	-	-	-	1,412	1,643	
SOGR	FINITE	CTT012	6014	Wheel Monitoring System	B	1,336	676	-	-	-	-	-	-	-	-	-	-			-	2,012	
SOGR	FINITE	CTT012			P	1,073	939	-	-	-	-	-	-	-	-	-	-	-	-	-	2,012	2,012
		CTT012			C	(263)	263	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT012	5311	Elevator Controller Replacement Program	B	-	1,093	1,114	727	892	974	-	3,707	-	-	-	-			3,707	4,800	
SOGR	FINITE	CTT012			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		CTT012			C	-	(1,093)	(1,114)	(727)	(892)	(974)	-	(3,707)	-	-	-	-	-	-	(3,707)	(4,800)	
SOGR	ONGOING	CTT012	Various	3.2 Equipment City Requested Budget Reduction	B	-	(5,000)	(10,000)	(5,000)	(5,000)	(5,000)	(5,000)	(30,000)	(5,000)	(5,000)	(5,000)	(5,000)			(50,000)	(55,000)	
SOGR	ONGOING	CTT012			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		CTT012			C	-	5,000	10,000	5,000	5,000	5,000	5,000	30,000	5,000	5,000	5,000	5,000	-	-	50,000	55,000	
				Sub-Total Equipment	SB	99,297	19,650	15,820	22,238	24,868	30,552	22,596	116,094	22,553	20,856	16,947	10,649	-	-	187,098	306,023	
					SP	97,928	21,467	19,450	38,823	42,669	32,159	32,156	165,257	33,741	26,818	23,333	16,328	14,001	223	279,478	399,076	297,934
					SC	(1,369)	1,817	3,630	16,585	17,761	1,607	9,560	49,163	11,191	5,962	6,386	5,679	14,001	223	92,392	93,053	

3.3 Yards & Roads

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
				Annual Programs																		
SOGR	ONGOING	CTT018	6907	On-Grade Paving Rehabilitation Program	B	25,944	5,994	8,070	6,382	7,150	8,655	13,833	44,090	11,000	11,000	10,998	7,000			84,088	116,026	
SOGR	ONGOING	CTT018			P	28,841	5,279	7,030	16,873	13,705	14,780	14,520	66,908	16,000	16,000	15,998	12,000	12,180	-	139,086	173,205	83,420
		CTT018			C	2,897	(715)	(1,040)	10,491	6,555	6,125	687	22,818	5,000	5,000	5,000	5,000	12,180	-	54,998	57,180	
				Existing Projects																		
LEGIS	FINITE	CTT015	6394	Streetcar Network Upgrades for LRV (incl. transfer from 5.4 POP Legacy Infrastructure)	B	9,845	4,581	8,303	10,935	17,123	17,807	8,663	62,831	1,800	-	-	-			64,631	79,057	
LEGIS	FINITE	CTT015			P	12,774	6,410	2,011	6,716	12,515	13,665	13,422	48,329	11,544	-	-	-	-	-	59,873	79,057	79,057
		CTT015			C	2,929	1,829	(6,292)	(4,219)	(4,608)	(4,142)	4,759	(14,502)	9,744	-	-	-	-	-	(4,758)	-	
SOGR	ONGOING	CTT064	6036	TTC Streetcar Shelter Reconstruction	B	225	231	237	243	250	257	264	1,251	271	278	286	295			2,381	2,637	
SOGR	ONGOING	CTT064			P	-	456	237	243	250	257	264	1,251	271	278	286	295	303	-	2,684	3,140	936
		CTT064			C	(225)	225	-	-	-	-	-	-	-	-	-	-	303	-	303	303	
EXPAN	FINITE	CTT015	7870	Bus Rapid Transit (BRT) - Spadina Subway to York University/Steeles /	B	32,932	788	1,000	-	-	-	-	1,000	-	-	-	-			1,000	34,750	
EXPAN	FINITE	CTT015			P	33,120	115	800	1,033	-	-	-	1,833	-	-	-	-	-	3,511	1,833	38,579	35,069
		CTT015			C	158	(673)	(200)	1,033	-	-	-	833	-	-	-	-	-	3,511	833	3,829	

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

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

APPENDIX B

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
IMPROV	FINITE	CTT004	6973	Transit Shelters & Loops	B	2,283	-	-	-	-	-	-	-	-	-	-	768			768	3,051	
IMPROV	FINITE	CTT004			P	2,273	(389)	-	-	-	-	-	-	-	-	-	-	1,216	-	1,216	3,100	3,100
		CTT004			C	(10)	(389)	-	-	-	-	-	-	-	-	-	(768)	1,216	-	448	49	
IMPROV	FINITE	CTT124	6866	Commuter Parking Expansion - Short Term Impr. Phase 2	B	7,514	-	-	-	-	-	-	-	-	-	-	-			-	7,514	
IMPROV	FINITE	CTT124			P	7,673	5	-	-	-	-	-	-	-	-	-	-	-	-	-	7,678	7,678
		CTT124			C	59	5	-	-	-	-	-	-	-	-	-	-	-	-	-	64	
				Sub-Total Yards & Roads	SB	78,773	11,574	17,676	17,560	24,553	26,719	32,760	109,172	13,871	11,278	11,284	8,063	-	-	152,868	243,236	
					SP	84,981	11,876	10,076	24,865	26,470	26,703	28,206	116,321	27,815	16,278	16,281	12,295	13,699	3,511	204,692	304,680	206,759
					SC	6,208	292	7,632	7,305	1,947	1,983	5,446	24,313	14,744	5,000	5,000	4,232	13,699	3,511	51,524	61,428	
				3.4 Bridges & Tunnels																		
				Annual Programs																		
SOGR	ONGOING	CTT020	5974	Structural Paving Rehabilitation Program	B	21,954	4,862	7,772	10,331	7,000	7,000	8,686	40,789	7,000	7,000	7,000	7,000			68,789	95,410	
SOGR	ONGOING	CTT020			P	22,426	8,975	6,347	9,243	11,094	5,926	4,428	36,905	7,000	7,000	7,000	7,000	7,000	-	71,905	102,440	51,814
		CTT020			C	472	3,403	(1,455)	(1,088)	4,094	(1,174)	(4,257)	(3,880)	-	-	-	-	7,000	-	3,120	7,000	
SOGR	ONGOING	CTT020	5128	Maintenance of Joint TTC / Toronto Transportation Bridges	B	10,973	5,680	4,130	-	-	-	-	4,130	750	2,179	2,224	2,268			11,551	28,204	
SOGR	ONGOING	CTT020			P	10,973	5,697	6,055	2,000	2,000	2,000	2,000	13,055	750	2,179	2,224	2,268	2,327	-	22,773	39,348	23,500
		CTT020			C	-	(83)	500	2,000	2,000	2,000	2,000	8,500	-	-	-	-	2,327	-	11,227	11,144	
SOGR	ONGOING	CTT020	5975	Bridges / Structures Maintenance Program	B	57,258	6,085	7,413	7,871	7,602	7,602	9,259	39,747	9,260	9,260	9,259	7,600			75,126	141,466	
SOGR	ONGOING	CTT020			P	57,738	9,941	7,281	10,066	9,056	6,166	5,046	44,614	7,073	7,600	7,600	7,600	7,600	-	61,987	149,666	104,325
		CTT020			C	480	266	868	2,195	1,454	(1,437)	(4,213)	4,767	(2,187)	(1,660)	(1,659)	-	7,600	-	6,861	7,600	
SOGR	ONGOING	CTT020	6123	Tunnel & Station Leak Remediation Program	B	61,171	4,262	4,379	6,012	4,006	5,720	5,862	26,498	6,039	6,200	6,328	6,454			51,519	116,952	
SOGR	ONGOING	CTT020			P	61,577	4,138	5,942	5,916	6,034	6,276	6,403	30,573	5,532	6,662	6,796	6,931	7,070	-	64,564	130,279	77,573
		CTT020			C	406	(154)	1,564	(96)	1,528	556	521	4,075	493	462	468	477	7,070	-	13,045	13,327	
SOGR	ONGOING	CTT020	6813	Structure Rehabilitation Program	B	82,475	17,081	17,645	18,077	18,450	21,460	22,080	97,562	22,880	23,292	23,774	24,259			191,657	291,153	
SOGR	ONGOING	CTT020			P	74,558	8,030	18,554	27,003	19,450	22,469	23,069	110,554	23,889	24,301	24,783	25,258	19,657	-	224,252	310,610	128,115
		CTT020			C	(7,917)	(9,051)	1,009	8,926	1,000	1,009	1,009	12,992	1,009	1,009	1,009	1,009	19,657	-	36,695	19,457	
SOGR	ONGOING	CTT020	6581	Prince Edward Viaduct - Beam Replacement	B	8,871	2,000	2,100	2,300	2,550	2,700	2,781	12,381	2,864	2,941	3,002	3,092			24,280	35,121	
SOGR	ONGOING	CTT020			P	8,429	2,000	2,244	2,447	2,650	2,853	2,937	13,131	3,023	3,103	3,168	3,231	3,314	-	28,970	39,399	18,120
		CTT020			C	(442)	-	144	147	150	153	156	750	159	162	166	159	3,314	-	4,720	4,278	
				Existing Projects																		
SOGR	FINITE	CTT020	7886	Precast Tunnel Liner Rehabilitation	B	52,240	4,913	4,965	-	-	-	-	4,965	-	-	-	-			4,965	57,118	
SOGR	FINITE	CTT020			P	53,612	4,913	6,393	-	-	-	-	6,393	-	-	-	-	-	-	6,393	58,118	65,118
		CTT020			C	1,372	-	1,428	-	-	-	-	1,428	-	-	-	-	-	-	1,428	2,000	
SOGR	ONGOING	CTT020	Various	3.4 Bridges and Tunnels City Requested Budget Reduction	B	-	(5,000)	(10,000)	(5,000)	(5,000)	(5,000)	(5,000)	(30,000)	(5,000)	(5,000)	(5,000)	(5,000)			(50,000)	(55,000)	
SOGR	ONGOING	CTT020			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		CTT020			C	-	5,000	10,000	5,000	5,000	5,000	5,000	30,000	5,000	5,000	5,000	5,000	-	-	50,000	55,000	
				Sub-Total Bridges & Tunnels	SB	284,859	42,568	38,394	39,551	35,058	39,482	43,668	196,102	43,593	45,672	46,587	46,643	-	-	377,797	715,354	
					SP	289,513	42,904	52,461	61,975	61,183	49,381	43,084	268,104	48,087	50,643	51,871	52,298	46,969	-	504,893	836,705	476,406
					SC	(5,658)	(924)	14,158	22,564	26,125	9,899	216	69,002	4,474	4,972	4,984	5,656	46,969	-	127,056	120,976	
				3.9 Buildings and Structures Projects																		
				Existing Projects																		
SOGR	ONGOING	CTT024	577x	Fire Ventilation Upgrade	B	164,084	32,044	27,154	10,659	8,765	9,064	9,144	64,996	6,000	6,480	7,155	-			84,611	280,739	
SOGR	ONGOING	CTT024			P	167,024	32,065	28,928	25,377	27,345	44,980	44,449	171,071	43,019	25,206	13,059	14,751	18,521	27,733	285,727	512,542	352,669
		CTT024			C	2,940	21	1,762	15,318	18,580	35,916	35,299	106,875	37,019	18,846	5,904	14,751	18,521	27,733	201,116	231,610	
LEGIS	FINITE	CTT028	566X	Easier Access Phase III	B	173,842	21,986	33,555	41,348	47,218	42,635	25	163,781	-	-	-	-			163,781	359,609	
LEGIS	FINITE	CTT028			P	177,603	22,552	29,316	43,263	49,007	55,886	45,291	222,763	40,620	46,835	47,393	42,696	31,515	22,564	431,842	654,463	531,859
		CTT028			C	3,763	566	(5,239)	1,915	1,789	13,251	45,266	58,982	40,620	46,835	47,393	42,696	31,515	22,564	268,061	294,854	
EXPAN	FINITE	CTT035	530X	Sheppard Subway - Yonge to Don Mills	B	965,150	3,706	-	-	-	-	-	-	-	-	-	-			-	968,856	
EXPAN	FINITE	CTT035			P	965,150	-	3,706	-	-	-	-	3,706	-	-	-	-	-	-	3,706	968,856	968,856
		CTT035			C	-	(3,706)	3,706	-	-	-	-	3,706	-	-	-	-	-	-	3,706	-	
SOGR	FINITE	CTT109	6899	Mount Dennis Bus Garage	B	95,286	200	-	-	-	-	-	-	-	-	-	-			-	95,486	
SOGR	FINITE	CTT109			P	95,206	280	-	-	-	-	-	-	-	-	-	-	-	-	-	95,486	95,486
		CTT109			C	(80)	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT115	574x	Birchmount Bus Garage Repair Bay Modifications	B	23,155	-	-	-	-	-	-	-	-	-	-	-			-	23,155	
SOGR	FINITE	CTT115			P	22,860	295	-	-	-	-	-	-	-	-	-	-	-	-	-	23,155	23,155
		CTT115			C	(295)	295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT116	573x	Queensway Bus Garage Renovations	B	22,125	650	1,451	-	-	-	-	1,451	-	-	-	-			1,451	24,225	
SOGR	FINITE	CTT116			P	22,055	634	787	763	-	-	-	1,537	-	-	-	-	-	-	1,537	24,226	24,226
		CTT116			C	(70)	(16)	(664)	763	-	-	-	86	-	-	-	-	-	-	86	-	
IMPROV	FINITE	CTT130	551x	Kipling Station Improvements -East Entrance and PPUDO	B	13,387	-	-	-	-	-	-	-	-	-	-	-			-	13,387	
IMPROV	FINITE	CTT130			P	12,568	819	-	-	-	-	-	-	-	-	-	-	-	-	-	13,387	13,387
		CTT130			C	(819)	819	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IMPROV	FINITE	CTT131	552x	Islington Station Improvements	B	3,477	-	-	-	-	-	-	-	-	-	-	-			-	3,477	
IMPROV	FINITE	CTT131			P	3,477	5	-	-	-	-	-	-	-	-	-	-	-	-	-	3,482	3,482
		CTT131			C	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	5	

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($000's)

APPENDIX B

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	FINITE	CTT144	584X	Wilson Complex - Modifications for the Toronto Rocket	B	93,629	1,694	-	-	-	-	-	-	-	-	-	-			-	95,323	
SOGR	FINITE	CTT144			P	93,802	175	425	921	-	-	-	1,346	-	-	-	-	-	-	1,346	95,323	95,323
		CTT144			C	173	(1,519)	425	921	-	-	-	1,346	-	-	-	-	-	-	1,346	-	
SOGR	FINITE	CTT145	6338	Leslie Barns (formerly Ashbridges Bay MS&F)	B	165,127	133,324	127,669	47,502	-	-	-	175,171	-	-	-	-			175,171	496,622	
SOGR	FINITE	CTT145			P	208,399	133,324	115,500	49,499	3,000	2,900	-	166,899	-	-	-	-	-	-	166,899	508,622	508,622
		CTT145			C	15,272	-	(12,169)	(2,003)	3,000	2,900	-	(8,272)	-	-	-	-	-	-	(9,272)	19,000	
SOGR	FINITE	CTT146	5859	Toronto Rocket / T1 Rail Yard Accommodation	B	31,666	28,563	79,746	81,286	48,627	46,512	97,098	353,269	-	-	-	-			353,269	420,518	
SOGR	FINITE	CTT146			P	33,767	36,649	34,398	69,296	54,856	77,605	102,986	339,351	53,411	43,013	-	-	-	470,915	435,775	977,306	506,581
		CTT146			C	2,081	(1,714)	(45,348)	(11,990)	8,229	29,293	5,888	(13,915)	53,411	43,013	-	-	-	470,915	82,506	553,788	
EXPAN	FINITE	CTT148	6078	McNicoll New Bus Garage *	B	300	2,000	5,000	20,000	35,000	17,700	-	77,700	-	-	-	-			77,700	80,000	
EXPAN	FINITE	CTT148			P	616	2,500	537	4,000	36,100	49,247	47,000	136,884	41,000	-	-	-	-	-	177,884	181,000	181,000
		CTT148			C	316	500	(4,463)	(16,000)	1,100	31,547	47,000	59,184	41,000	-	-	-	-	-	100,184	101,000	
SOGR	ONGOING	CTT110	6097	LRV Carhouse Facility Renewal Program	B	21,868	8,019	9,159	19,348	15,435	4,673	2,662	53,276	438	500	300	500			55,014	84,900	
SOGR	ONGOING	CTT110			P	26,349	6,025	4,430	9,063	14,535	13,885	9,913	50,826	500	500	500	500	500	-	53,326	85,700	62,615
		CTT110			C	4,481	(1,993)	(4,729)	(10,285)	(900)	9,212	7,251	(2,450)	62	-	200	-	500	-	(1,688)	800	
SOGR	ONGOING	CTT110	6525	Subway Ventilation Shaft Grating System Replacement	B	1,027	238	242	247	252	259	264	1,264	269	276	-	-			1,809	3,074	
SOGR	ONGOING	CTT110			P	392	759	577	725	505	563	518	2,888	527	585	542	550	607	-	5,699	6,850	2,453
		CTT110			C	(635)	521	335	478	253	304	254	1,624	258	309	542	550	607	-	3,890	3,776	
SOGR	FINITE	CTT110	6506	Industrial Facility Requirements	B	2,425	1,665	1,261	1,424	170	170	170	3,195	170	170	170	170			3,875	7,965	
SOGR	FINITE	CTT110			P	2,585	2,165	664	1,331	170	170	170	2,535	170	170	170	170	170	13,852	3,385	22,027	6,135
		CTT110			C	160	500	(597)	(93)	-	-	-	(660)	-	-	-	-	170	13,852	(490)	14,062	
IMPROV	ONGOING	CTT110	7073	Office Space Management/Renewal Program	B	18,795	2,586	2,577	1,200	2,135	820	850	7,582	850	850	850	700			10,832	32,213	
IMPROV	ONGOING	CTT110			P	18,815	2,586	2,077	2,438	1,365	831	1,359	8,070	1,539	330	330	543	700	-	11,512	32,913	28,471
		CTT110			C	20	-	(500)	1,238	(770)	11	509	488	689	(520)	(520)	(157)	700	-	680	700	
SOGR	ONGOING	CTT110	6194	Building Facility Renewal Program	B	5,655	225	897	280	280	280	280	2,017	280	370	355	350			3,373	9,253	
SOGR	ONGOING	CTT110			P	5,521	804	207	2,554	2,241	1,720	450	7,172	280	370	355	350	350	-	8,878	15,203	12,657
		CTT110			C	(134)	579	(690)	2,274	1,961	1,440	170	5,155	-	-	-	-	350	-	5,505	5,950	
SOGR	ONGOING	CTT110	6195	Bus Garage/Shops Facility Renewal Program	B	17,000	395	1,989	2,000	1,805	2,190	1,910	9,894	3,317	2,440	2,080	830			18,561	35,956	
SOGR	ONGOING	CTT110			P	16,862	1,153	877	3,796	2,791	3,245	4,405	15,114	3,837	3,430	1,610	250	800	-	25,041	43,055	23,888
		CTT110			C	(138)	758	(1,112)	1,796	986	1,055	2,495	5,220	520	990	(470)	(580)	800	-	6,480	6,600	
SOGR	ONGOING	CTT110	6196	Subway Carhouse / Shop Facility Renewal Program	B	22,391	2,200	2,541	2,929	3,788	2,539	750	12,547	696	675	29	560			14,444	39,035	
SOGR	ONGOING	CTT110			P	23,566	1,723	984	3,116	3,465	3,448	900	11,913	696	675	28	436	500	-	14,249	38,535	29,389
		CTT110			C	1,175	(477)	(1,557)	187	(323)	909	150	(634)	-	-	-	(64)	500	-	(195)	500	
SOGR	ONGOING	CTT110	6197	Subway Facility Renewal Program	B	5,339	657	1,227	1,859	1,442	390	475	5,393	475	450	250	250			6,818	12,714	
SOGR	ONGOING	CTT110			P	5,150	657	1,290	4,265	6,601	13,743	12,697	38,596	7,497	2,772	2,573	2,573	3,894	-	57,885	67,750	50,047
		CTT110			C	(141)	100	53	2,366	5,159	13,393	12,222	33,193	7,022	2,322	2,323	2,323	3,894	-	51,077	51,036	
SOGR	FINITE	CTT110	6548	Duncan Shop - Ventilation Upgrade	B	1,085	600	600	2,100	4,000	4,000	4,000	14,700	6,861	-	-	-			21,561	23,246	
SOGR	FINITE	CTT110			P	1,141	444	300	3,320	5,220	5,220	5,570	19,630	7,891	-	-	-	-	-	27,521	29,106	29,106
		CTT110			C	56	(156)	(300)	1,220	1,220	1,220	1,570	4,930	1,030	-	-	-	-	-	5,960	5,860	
SOGR	FINITE	CTT110	6661	Skylights Replacement Project	B	1,081	400	5,101	4,091	2,482	-	-	11,674	-	-	-	-			11,674	13,155	
SOGR	FINITE	CTT110			P	976	546	250	676	-	-	-	926	-	-	-	-	-	-	926	2,450	2,450
		CTT110			C	(105)	146	(4,851)	(3,415)	(2,482)	-	-	(10,748)	-	-	-	-	-	-	(10,748)	(10,705)	
SOGR	FINITE	CTT110	6670	Revenue Operations Facility	B	6,694	5,285	6,003	2,741	1,576	1,500	-	11,824	-	-	-	-			11,824	23,803	
SOGR	FINITE	CTT110			P	7,394	2,063	1,289	6,480	8,200	7,468	4,581	28,018	475	-	-	-	-	-	28,493	37,950	37,950
		CTT110			C	610	(3,222)	(4,710)	3,739	6,626	5,968	4,581	16,194	475	-	-	-	-	-	16,669	13,957	
SOGR	FINITE	CTT110	5110	Fire Main Replacement	B	1,265	335	2,214	4,086	4,400	-	-	10,700	-	-	-	-			10,700	12,300	
SOGR	FINITE	CTT110			P	1,094	506	246	3,814	5,002	4,678	5,250	18,989	4,550	-	-	-	-	-	23,539	25,139	25,139
		CTT110			C	(171)	171	(1,968)	(272)	602	4,678	5,250	8,289	4,550	-	-	-	-	-	12,839	12,839	
SOGR	FINITE	CTT110	5115	Wilson T&TC Back-up Centres (formerly 1900 Yonge Computer Room Relocation and incl Transit Backup Control Centre)	B	1,526	3,661	3,918	596	2,200	8,900	-	15,614	-	-	-	-			15,614	20,800	
SOGR	FINITE	CTT110			P	978	251	500	1,500	5,000	8,000	6,549	21,549	4,648	-	-	-	-	-	26,197	27,424	27,424
		CTT110			C	(549)	(3,410)	(3,410)	904	2,800	(900)	6,549	5,935	4,648	-	-	-	-	-	10,583	6,624	
SOGR	FINITE	CTT110	6149	Retrofit of Carhouse and Shop Traction Power Pendent System - Davisville/Greenwood	B	465	687	3,847	4,354	4,820	4,856	4,850	22,827	-	-	-	-			22,827	24,000	
SOGR	FINITE	CTT110			P	457	687	1,167	4,610	4,653	4,120	4,606	19,356	3,500	-	-	-	-	-	22,856	24,000	24,000
		CTT110			C	(28)	-	(2,780)	156	(167)	(736)	(244)	(3,471)	3,500	-	-	-	-	-	29	-	
SOGR	FINITE	CTT110	TBD	Replacement of Halon Protection Systems	B	-	-	-	-	148	410	410	968	565	424	424	424			2,805	2,805	
SOGR	FINITE	CTT110			P	-	-	-	-	148	410	410	968	565	424	424	424	-	-	2,805	2,805	2,805
		CTT110			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT110	6409	Emergency Backup Power Systems	B	-	50	750	650	675	675	-	2,750	-	-	-	-			2,750	2,800	
SOGR	FINITE	CTT110			P	-	50	100	700	700	650	600	2,750	-	-	-	-	-	-	2,750	2,800	2,800
		CTT110			C	-	-	(650)	50	25	(25)	600	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT110	6262	Wheel-Trans Facility Renewal Program	B	10,130	170	2,932	575	462	-	-	3,969	-	-	-	-			3,969	14,269	
SOGR	FINITE	CTT110			P	9,868	282	133	3,414	572	-	-	4,119	-	-	-	-	-	-	4,119	14,269	14,269
		CTT110			C	(262)	112	(2,799)	2,839	110	-	-	150	-	-	-	-	-	-	150	-	
SOGR	FINITE	CTT110	6398	Surface Way Buildings Replacement	B	2,673	250	4,919	4,000	4,381	4,000	-	17,300	-	-	-	-			17,300	20,223	
SOGR	FINITE	CTT110			P	3,198	250	150	10,000	17,400	7,762	-	35,312	-	-	-	-	-	-	35,312	38,760	38,760
		CTT110			C	525	-	(4,769)	6,000	13,019	3,762	-	18,012	-	-	-	-	-	-	18,012	18,537	
LEG-S	FINITE	CTT110	6076	AODA Facility Modifications Study	B	-	-	35	270	-	-	-	305	-	-	-	-			305	305	
LEG-S	FINITE	CTT110			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		CTT110			C	-	-	(35)	(270)	-	-	-	(305)	-	-	-	-	-	-	(305)	(305)	

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

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

APPENDIX B

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	BFC	PROJECT APPROVAL REQUEST
SOGR	FINITE	CTT110	7235	Electrical Substation Upgrade and Leak Remediation	B	2,877	293	365	481	-	-	-	846	-	-	-	-			846	4,016	
SOGR	FINITE	CTT110			P	2,732	1,129	323	764	664	125	-	1,876	-	-	-	-	-	-	1,876	5,737	5,737
		CTT110			C	(145)	836	(42)	283	664	125	-	1,030	-	-	-	-	-	-	1,030	1,721	
IMPROV	FINITE	CTT110	6207	Bus Facility Modifications - Hybrid Buses	B	2,824	150	500	-	-	-	-	500	-	-	-	-			500	3,574	
IMPROV	FINITE	CTT110			P	2,820	74	165	515	-	-	-	680	-	-	-	-	-	-	680	3,674	3,674
		CTT110			C	(4)	(76)	(335)	515	-	-	-	80	-	-	-	-	-	-	80	-	
SOGR	FINITE	CTT110	6597	Collector Booth Renewal Program	B	1,179	697	-	-	-	-	-	-							-	1,876	
SOGR	FINITE	CTT110			P	753	50	200	1,675	-	-	-	1,875	-	-	-	-	-	-	1,875	2,678	2,678
		CTT110			C	(426)	(647)	200	1,675	-	-	-	1,875	-	-	-	-	-	-	1,875	802	
SOGR	FINITE	CTT110	7256	McBrien Building Renovations	B	4,448	126	221	287	-	-	-	508	-	-	-	-			508	5,082	
SOGR	FINITE	CTT110			P	4,421	100	248	287	-	-	-	535	-	-	-	-	-	-	535	5,056	5,056
		CTT110			C	(27)	(26)	27	-	-	-	-	27	-	-	-	-	-	-	27	(26)	
IMPROV	FINITE	CTT110	6662	End Of Line Cleaning	B	135	200	1,365	-	-	-	-	1,365	-	-	-	-			1,365	1,760	
IMPROV	FINITE	CTT110			P	148	199	400	1,935	1,414	-	-	3,749	-	-	-	-	-	-	3,749	4,096	4,096
		CTT110			C	13	(1)	(965)	1,935	1,414	-	-	2,384	-	-	-	-	-	-	2,384	2,399	
SOGR	FINITE	CTT110	6663	CNE Streetcar Loop Barrier	B	200	350	2,950	300	-	-	-	3,250	-	-	-	-			3,250	3,800	
SOGR	FINITE	CTT110			P	420	350	295	4,235	2,000	-	-	6,530	-	-	-	-	-	-	6,530	7,300	7,300
		CTT110			C	220	-	(2,655)	3,935	2,000	-	-	3,280	-	-	-	-	-	-	3,280	3,500	
EXPAN	FINITE	CTT110	6407	Building Extensions for New Articulated Hoists	B	-	100	400	-	-	-	-	400	-	-	-	-			400	500	
EXPAN	FINITE	CTT110			P	-	50	50	340	50	-	-	440	-	-	-	-	-	-	440	500	500
		CTT110			C	-	(50)	(350)	340	50	-	-	40	-	-	-	-	-	-	40	-	
EXPAN	FINITE	CTT110	6675	Relief Line Study	B	2,528	1,500	-	-	-	-	-	-	-	-	-	-			-	4,028	
EXPAN	FINITE	CTT110			P	1,162	1,075	2,468	530	-	-	-	2,998	-	-	-	-	-	-	2,998	5,235	5,235
		CTT110			C	(1,366)	(425)	2,468	530	-	-	-	2,998	-	-	-	-	-	-	2,998	1,207	
EXPAN	FINITE	CTT110	6334	Yonge North Subway Extension - Conceptual Design Stage 1	B	2,954	-	-	-	-	-	-	-	-	-	-	-			-	2,954	
EXPAN	FINITE	CTT110			P	1,513	3,759	500	-	-	-	-	500	-	-	-	-	-	-	500	6,772	6,772
		CTT110			C	(1,441)	3,759	500	-	-	-	-	500	-	-	-	-	-	-	500	2,818	
SOGR	FINITE	CTT110	6175	Platen Building Modifications	B	5,693	50	-	-	-	-	-	-	-	-	-	-			-	5,743	
SOGR	FINITE	CTT110			P	5,674	17	-	-	-	-	-	-	-	-	-	-	-	-	-	5,691	5,691
		CTT110			C	(19)	(33)	-	-	-	-	-	-	-	-	-	-	-	-	-	(52)	
SOGR	FINITE	CTT110	6202	Gas Detection Systems	B	5,959	-	-	-	-	-	-	-	-	-	-	2,700			2,700	8,659	
SOGR	FINITE	CTT110			P	5,710	499	-	-	-	-	-	-	-	-	-	-	-	-	-	6,209	6,209
		CTT110			C	(249)	499	-	-	-	-	-	-	-	-	-	(2,700)	-	-	(2,700)	(2,450)	
SOGR	FINITE	CTT110	6204	Scarborough Centre Station - New Control Area Equipment	B	1,256	-	-	-	-	-	-	-	-	-	-	-			-	1,256	
SOGR	FINITE	CTT110			P	1,225	31	-	-	-	-	-	-	-	-	-	-	-	-	-	1,256	1,256
		CTT110			C	(31)	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT110	6602	Design and Install Replace Paint Domes	B	602	436	-	-	-	-	-	-	-	-	-	-			-	1,038	
SOGR	FINITE	CTT110			P	233	855	-	-	-	-	-	-	-	-	-	-	-	-	-	1,088	1,088
		CTT110			C	(369)	419	-	-	-	-	-	-	-	-	-	-	-	-	-	50	
SOGR	FINITE	CTT110	6355	Victoria Park Bus Terminal Replacement	B	36,213	-	-	-	-	-	-	-	-	-	-	-			-	36,213	
SOGR	FINITE	CTT110			P	36,953	260	-	-	-	-	-	-	-	-	-	-	-	-	-	36,213	36,213
		CTT110			C	(260)	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEGIS	FINITE	CTT110	6472	Subway Asbestos Decontamination Facility	B	3,907	-	-	-	-	-	-	-	-	-	-	-			-	3,907	
LEGIS	FINITE	CTT110			P	3,621	786	-	-	-	-	-	-	-	-	-	-	-	-	-	4,407	4,407
		CTT110			C	(286)	786	-	-	-	-	-	-	-	-	-	-	-	-	-	500	
IMPROV	FINITE	CTT110	6562	Lawrence-Allen Revitalization Project Study	B	302	-	-	-	-	-	-	-	-	-	-	-			-	302	
IMPROV	FINITE	CTT110			P	279	3	-	-	-	-	-	-	-	-	-	-	-	-	-	282	282
		CTT110			C	(23)	3	-	-	-	-	-	-	-	-	-	-	-	-	-	(20)	
SOGR	FINITE	CTT110	6650	Collector Booth Security Improvements	B	3,600	-	-	-	-	-	-	-	-	-	-	-			-	3,600	
SOGR	FINITE	CTT110			P	3,058	592	-	-	-	-	-	-	-	-	-	-	-	-	-	3,650	3,650
		CTT110			C	(592)	592	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT110	6275	Purchase of Property for Overhead Wiring Section	B	-	5,000	-	-	-	-	-	-	-	-	-	-			-	5,000	
SOGR	FINITE	CTT110			P	-	5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	5,000	5,000
		CTT110			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				New Projects																		
IMPROV	FINITE	CTT110	6265	Yonge - Bloor Capacity Improvements Conceptual Design & Alignment	B	500	500	-	-	-	-	-	-	-	-	-	-			-	1,000	
IMPROV	FINITE	CTT110			P	329	121	550	5,000	-	-	-	5,550	-	-	-	-	-	-	5,550	6,000	6,000
		CTT110			C	(171)	(379)	550	5,000	-	-	-	5,550	-	-	-	-	-	-	5,550	5,000	
SOGR	FINITE	CTT110	6155	Wilson Garage Ventilation Upgrades	B	503	646	-	-	-	-	-	-	-	-	-	-			-	1,152	
SOGR	FINITE	CTT110			P	813	370	530	766	6,763	7,556	7,665	23,210	10,066	16,594	-	-	-	-	50,169	51,149	51,149
		CTT110			C	104	(267)	530	766	6,763	7,556	7,665	23,210	10,066	16,594	-	-	-	-	50,169	49,997	
LEGIS	FINITE	CTT110	6952	Backflow Preventers (formerly included with 3-9 Building Facility Renew	B	550	256	127	-	-	-	-	127	-	-	-	-			127	963	
LEGIS	FINITE	CTT110			P	563	380	400	1,740	2,657	2,929	3,168	10,914	2,913	2,640	2,722	2,625	2,671	5,909	24,335	25,463	25,463
		CTT110			C	8	124	273	1,740	2,657	2,929	3,168	10,787	2,913	2,640	2,722	2,625	2,671	5,909	24,208	30,409	
SOGR	FINITE	CTT110	6953	Station Capacity Study for Increased Passenger Demand	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT110			P	-	-	300	-	-	-	-	300	-	-	-	-	-	-	300	300	300
		CTT110			C	-	-	300	-	-	-	-	300	-	-	-	-	-	-	300	300	
IMPROV	FINITE	CTT110	6908	Platform Edge Doors Study	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
IMPROV	FINITE	CTT110			P	-	-	500	500	-	-	-	1,000	-	-	-	-	-	-	1,000	1,000	1,000
		CTT110			C	-	-	500	500	-	-	-	1,000	-	-	-	-	-	-	1,000	1,000	

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

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

APPENDIX B

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	CITY Approval Request
IMPROV	FINITE	CTT110	6969	Union Station New Platform	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
IMPROV	FINITE	CTT110			P	-	-	4,600	6,400	-	-	-	11,000	-	-	-	-	-	-	11,000	11,000	11,000
		CTT110			C	-	-	4,600	6,400	-	-	-	11,000	-	-	-	-	-	-	11,000	11,000	
SOGR	ONGOING	CTT110	Various	3.9 Building and Structures City Requested Budget Reduction	B	-	-	(10,000)	-	-	-	-	(10,000)	-	-	-	-			(10,000)	(10,000)	
SOGR	ONGOING	CTT110			P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		CTT110			C	-	-	10,000	-	-	-	-	10,000	-	-	-	-	-	-	10,000	10,000	
				Sub-Total Buildings & Structures Projects	*SB*	1,974,200	272,393	319,929	253,053	191,060	154,333	122,888	1,041,263	19,921	12,615	11,611	6,424	-	-	1,091,834	3,338,427	
					SP	2,000,080	266,180	237,384	274,734	262,424	317,341	311,552	1,403,435	227,694	143,964	69,705	65,868	60,228	541,013	1,970,894	4,778,167	4,024,416
					SC	25,880	(6,213)	(82,545)	21,681	71,364	163,008	188,664	362,172	207,773	131,349	58,094	59,444	60,228	541,013	879,060	1,439,740	
				VEHICLES																		
				REVENUE VEHICLES																		
				4.11 Purchase of Buses																		
				Existing Projects																		
SOGR	FINITE	CTT111	6572	Purchase of 153 Nova LFS Low Floor Artic 60ft Diesel Buses	B	10,267	126,422	-	-	-	-	-	-	-	-	-	-			-	136,689	
SOGR	FINITE	CTT111			P	9,192	122,989	-	-	-	-	-	-	-	-	-	-	-	-	-	132,181	132,181
		CTT111			C	(1,075)	(3,433)	-	-	-	-	-	-	-	-	-	-	-	-	-	(4,508)	
SOGR	FINITE	CTT111	6274	Purchase of 55 Low Floor 40ft Diesel Buses	B	-	-	35,917	-	-	-	-	35,917	-	-	-	-			35,917	35,917	
SOGR	FINITE	CTT111			P	-	-	32,983	-	-	-	-	32,983	-	-	-	-	-	-	32,983	32,983	32,983
		CTT111			C	-	-	(2,934)	-	-	-	-	(2,934)	-	-	-	-	-	-	(2,934)	(2,934)	
SOGR	FINITE	CTT111	TBD	Purchase of 375 Low Floor 40ft Diesel Buses	B	-	-	-	30,993	46,506	-	-	77,499	-	-	-	-			77,499	77,499	
SOGR	FINITE	CTT111			P	-	-	-	62,592	71,631	59,607	62,088	255,918	-	-	-	-	-	-	255,918	255,918	255,918
		CTT111			C	-	-	-	31,599	25,125	59,607	62,088	178,419	-	-	-	-	-	-	178,419	178,419	
SOGR	FINITE	CTT111	TBD	Purchase of 380 Low Floor 40ft Diesel Buses	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT111			P	-	-	-	-	-	-	-	-	61,211	60,125	63,001	65,979	69,098	-	319,414	319,414	319,414
		CTT111			C	-	-	-	-	-	-	-	-	61,211	60,125	63,001	65,979	69,098	-	319,414	319,414	
				Board Approved Initiative to Improve Service																		
IMPROV	FINITE	CTT111	TBD	Purchase of 50 Low Floor 40ft Diesel Buses for Customer Service Initiatives	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
IMPROV	FINITE	CTT111			P	-	-	13,936	13,598	-	-	-	27,534	-	-	-	-	-	-	27,534	27,534	27,534
		CTT111			C	-	-	13,936	13,598	-	-	-	27,534	-	-	-	-	-	-	27,534	27,534	
IMPROV	FINITE	CTT111	TBD	Purchase of 99 Low Floor 40ft Diesel Buses for Customer Service Initiatives	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
IMPROV	FINITE	CTT111			P	-	-	-	-	2,678	17,531	18,261	38,470	22,954	20,042	7,882	-	-	-	89,348	89,348	89,348
		CTT111			C	-	-	-	-	2,678	17,531	18,261	38,470	22,954	20,042	7,882	-	-	-	89,348	89,348	
				Wheel Trans																		
SOGR	FINITE	CTT045	6556	Purchase of 201 Wheel-Trans Buses	B	64,200	-	-	-	-	-	-	-	-	-	-	-			-	64,200	
SOGR	FINITE	CTT045			P	62,992	8	-	-	-	-	-	-	-	-	-	-	-	-	-	63,000	63,000
		CTT045			C	(1,208)	8	-	-	-	-	-	-	-	-	-	-	-	-	-	(1,200)	
SOGR	FINITE	CTT045	TBD	Purchase of 201 Future Wheel-Trans Buses	B	-	-	-	-	-	5,023	18,461	23,484	29,683	-	24,912	-			78,079	78,079	
SOGR	FINITE	CTT045			P	-	-	-	-	-	13,900	23,600	37,500	14,400	26,000	22,400	-	-	-	100,300	100,300	100,300
		CTT045			C	-	-	-	-	-	8,877	5,139	14,016	(15,283)	26,000	(2,512)	-	-	-	22,221	22,221	
				Sub-Total Purchase of Buses	*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	
					SP	72,184	122,997	46,919	76,190	74,309	91,038	103,949	411,453	98,565	106,167	93,283	65,979	69,098	-	825,497	1,020,678	1,020,678
					SC	(2,283)	(3,425)	11,002	45,197	27,803	86,015	85,488	166,592	68,882	106,167	68,371	65,979	69,098	-	634,002	628,294	
				4.12 Purchase of Subway Cars																		
				Existing Projects																		
SOGR	FINITE	CTT046	6231	Purchase of 234 New Subway Cars (H4 & H5 Replacement & Growth)	B	639,149	6,900	3,776	-	-	-	-	3,776	-	-	-	-			3,776	649,825	
SOGR	FINITE	CTT046			P	626,916	15,133	7,776	-	-	-	-	7,776	-	-	-	-	-	-	7,776	649,825	649,825
		CTT046			C	(12,233)	8,233	4,000	-	-	-	-	4,000	-	-	-	-	-	-	4,000	-	
SOGR	FINITE	CTT046	6002	Replacement of 126 H6 Subway Cars	B	273,431	10,972	4,122	6,428	-	-	-	10,550	-	-	-	-			10,550	294,953	
SOGR	FINITE	CTT046			P	234,531	46,014	6,280	8,128	-	-	-	14,408	-	-	-	-	-	-	14,408	294,953	294,953
		CTT046			C	(38,900)	35,042	2,158	1,700	-	-	-	3,858	-	-	-	-	-	-	3,858	-	
SOGR	FINITE	CTT046	6278	Purchase of 60 New Subway Cars (Ridership Growth and ATC)	B	-	38,481	166,147	2,233	22,909	-	-	191,289	-	-	-	-			191,289	229,770	
SOGR	FINITE	CTT046			P	-	64,750	137,025	15,028	10,367	-	-	162,420	-	-	-	-	-	-	162,420	227,170	227,170
		CTT046			C	-	26,269	(29,122)	12,795	(12,542)	-	-	(28,869)	-	-	-	-	-	-	(28,869)	(2,600)	
SOGR	FINITE	CTT046	TBD	Purchase of 372 New Subway Cars (T1 Replacement)	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT046			P	-	-	-	-	-	249	524	773	584	1,523	293,407	161,569	158,376	1,120,906	616,232	1,737,138	616,232
		CTT046			C	-	-	-	-	-	249	524	773	584	1,523	293,407	161,569	158,376	1,120,906	616,232	1,737,138	
				Sub-Total Purchase of Subway Cars	*SB*	912,580	56,353	174,045	8,661	22,909	-	-	205,615	-	-	-	-	-	-	205,615	1,174,548	
					SP	861,447	125,897	151,081	23,156	10,367	249	524	185,377	584	1,523	293,407	161,569	158,376	1,120,906	800,836	2,909,086	1,788,180
					SC	(51,133)	69,544	(22,964)	14,495	(12,542)	249	524	(20,238)	584	1,523	293,407	161,569	158,376	1,120,906	595,221	1,734,538	
				4.13 Bus Overhaul																		
				Annual Programs																		
SOGR	ONGOING	CTT112	6668	Orion VII Diesel & Nova Artic Bus Rebuild Program	B	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	
SOGR	ONGOING	CTT112			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
		CTT112			C	667	(6,578)	(6,476)	(560)	(4,672)	(7,645)	(18,563)	(37,916)	3,350	(12,675)	13,143	(3,326)	40,365	-	2,941	(2,970)	

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APPENDIX B

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
				New Projects																		
SOGR	FINITE	CTT112	6709	WT Friendly Bus Rebuild Program	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT112			P	-	-	800	2,010	2,170	2,220	1,700	8,900	-	-	-	-	-	-	8,900	8,900	8,900
		CTT112			C	-	-	800	2,010	2,170	2,220	1,700	8,900	-	-	-	-	-	-	8,900	8,900	
LEGIS	FINITE	CTT112	6710	ACDA Requirements - TTC Buses	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
LEGIS	FINITE	CTT112			P	-	66	1,200	4,200	335	-	-	5,735	-	-	-	-	-	-	5,735	5,800	5,800
		CTT112			C	-	66	1,200	4,200	335	-	-	5,735	-	-	-	-	-	-	5,735	5,800	
SOGR	ONGOING	CTT112	6013	Replacement of Orion VII Hybrid Bus Components	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	ONGOING	CTT112			P	-	-	18,359	20,767	19,867	20,054	11,193	84,940	7,138	12,790	17,216	16,646	20,270	-	159,000	159,000	34,125
		CTT112			C	-	-	13,359	20,767	19,867	20,054	11,193	84,940	7,138	12,790	17,216	16,646	20,270	-	159,000	159,000	
				Sub-Total: Bus Overhaul	SB	44,990	52,475	46,743	48,639	14,850	64,350	65,733	300,621	31,744	37,389	27,603	44,508	-	-	441,765	535,253	
					SP	43,680	45,962	56,622	76,036	51,956	79,579	50,063	362,260	42,232	37,504	57,862	67,828	60,635	-	628,341	708,963	228,725
					SC	587	(6,513)	6,883	28,417	17,406	14,629	(9,670)	61,065	10,488	115	30,259	13,220	60,635	-	175,576	170,700	
				4.14 SRT Car Overhaul																		
				Existing Projects																		
SOGR	FINITE	CTT049	6058	SRT Life Extension Overhaul	B	6,970	1,822	-	-	-	-	-	-	-	-	-	-			-	8,792	
SOGR	FINITE	CTT049			P	6,712	2,412	-	-	-	-	-	-	-	-	-	-	-	-	-	9,124	9,124
		CTT049			C	(153)	490	-	-	-	-	-	-	-	-	-	-	-	-	-	337	
				Sub-Total: SRT Car Overhaul	SB	6,970	1,822	-	-	-	-	-	-	-	-	-	-	-	-	-	8,792	
					SP	6,712	2,412	-	-	-	-	-	-	-	-	-	-	-	-	-	9,124	9,124
					SC	(153)	490	-	-	-	-	-	-	-	-	-	-	-	-	-	337	
				4.15 Streetcar Overhaul																		
				Existing Projects																		
SOGR	FINITE	CTT050	6026	Overhaul of 196 Canadian Light Rail Vehicles (CLRVs)	B	55,109	4,019	-	-	-	-	-	-	-	-	-	-			-	59,128	
SOGR	FINITE	CTT050			P	53,688	6,586	-	-	-	-	-	-	-	-	-	-	-	-	-	62,274	62,274
		CTT050			C	579	2,587	-	-	-	-	-	-	-	-	-	-	-	-	-	3,166	
SOGR	FINITE	CTT050	TBD	New LRVs Overhaul	B	-	-	-	-	-	-	-	-	515	1,346	4,937	5,035			11,833	11,833	
SOGR	FINITE	CTT050			P	-	-	-	-	-	-	-	-	-	257	1,120	3,854	9,397	20,242	10,328	35,570	10,328
		CTT050			C	-	-	-	-	-	-	-	-	[515]	(1,089)	(3,817)	(1,182)	9,397	20,242	(1,503)	18,737	
				New Projects																		
LEGIS	ONGOING	CTT050	6276	AODA Requirements - Streetcars	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
LEGIS	ONGOING	CTT050			P	-	-	3,204	410	410	410	410	4,844	410	410	410	410	2,369	-	9,353	9,353	3,614
		CTT050			C	-	-	3,204	410	410	410	410	4,844	410	410	410	410	2,369	-	9,353	9,353	
SOGR	FINITE	CTT050	6367	Life Extension Overhaul of 30 Articulated Light Rail Vehicles (ALRVs)	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT050			P	-	1,014	5,114	9,772	8,614	-	-	23,500	633	649	-	-	-	-	24,782	25,796	25,796
		CTT050			C	-	1,014	5,114	9,772	8,614	-	-	23,500	633	649	-	-	-	-	24,782	25,796	
				Sub-Total: Streetcar Overhaul	SB	55,109	4,019	-	-	-	-	-	-	515	1,346	4,937	5,035	-	-	11,833	70,961	
					SP	53,688	7,600	3,318	10,182	9,024	410	410	28,344	1,043	1,316	1,530	4,264	7,966	20,242	44,463	127,993	102,012
					SC	579	3,601	3,318	10,182	9,024	410	410	28,344	528	(29)	(3,407)	(772)	7,966	20,242	32,630	57,032	
				4.16 Subway Car Overhaul																		
				Existing Projects																		
SOGR	FINITE	CTT051	6070	T1 Subway Cars - 15 Year Overhaul	B	34,643	27,867	23,716	21,970	11,353	-	-	57,039	-	-	-	-			57,039	119,749	
SOGR	FINITE	CTT051			P	22,169	29,782	25,426	25,245	26,130	-	-	76,804	-	-	-	-	-	-	76,804	119,749	119,749
		CTT051			C	(12,660)	(7,085)	1,719	3,275	14,771	-	-	19,765	-	-	-	-	-	-	19,765	-	
SOGR	FINITE	CTT051	6318	T1 Subway Cars - 20 Year Overhaul	B	-	-	-	260	4,717	9,823	10,062	24,862	10,344	10,611	5,354	-			51,171	51,171	
SOGR	FINITE	CTT051			P	-	-	500	260	4,217	9,823	10,062	24,862	10,344	10,611	5,354	-	-	-	51,171	51,171	51,171
		CTT051			C	-	-	500	-	(500)	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT051	6130	TR Subway Cars - 7 Year Overhaul	B	-	-	-	1,389	3,977	3,674	3,924	13,164	3,008	4,030	4,094	-			25,274	25,274	
SOGR	FINITE	CTT051			P	-	270	492	1,255	1,898	5,141	7,323	15,809	6,741	5,964	4,203	-	-	-	32,617	32,887	32,887
		CTT051			C	-	270	492	(134)	(2,079)	1,267	3,399	2,945	2,745	1,934	119	-	-	-	7,743	7,813	
SOGR	FINITE	CTT051	TBD	TR Subway Cars - 14 Year Overhaul	B	-	-	-	-	-	-	-	-	-	-	680	7,700			8,380	8,380	
SOGR	FINITE	CTT051			P	-	-	-	-	-	-	-	-	-	-	680	7,700	7,854	62,980	16,214	79,200	16,214
		CTT051			C	-	-	-	-	-	-	-	-	-	-	-	-	7,854	62,980	7,854	70,840	
SOGR	FINITE	CTT051	TBD	T1 Subway Cars - 25 Year Overhaul	B	-	-	-	-	-	-	-	-	-	-	2,300	4,440			6,740	6,740	
SOGR	FINITE	CTT051			P	-	-	-	-	-	-	-	-	-	-	2,300	4,440	4,600	11,606	11,340	22,946	11,340
		CTT051			C	-	-	-	-	-	-	-	-	-	-	-	-	4,600	11,606	4,600	16,206	
SOGR	FINITE	CTT051	6261	Train Door Monitoring System - T1 & TR	B	-	5,000	-	-	-	-	-	-	-	-	-	-			-	5,000	
SOGR	FINITE	CTT051			P	-	2,086	6,610	33,029	14,759	-	-	54,389	-	-	-	-	-	-	54,389	56,475	56,475
		CTT051			C	-	(2,914)	6,610	33,029	14,759	-	-	54,389	-	-	-	-	-	-	54,389	51,475	
				New Projects																		
SOGR	FINITE	CTT051	6333	T1 CCTV Camera System	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT051			P	-	-	142	2,018	2,382	2,397	378	7,314	-	-	-	-	-	-	7,314	7,314	7,314
		CTT051			C	-	-	142	2,018	2,382	2,397	378	7,314	-	-	-	-	-	-	7,314	7,314	

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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	ESC	PROJECT APPROVAL REQUEST
SOGR	FINITE	CTT061	6937	T1 Pre-Boarding Announcement System	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT061			P	-	-	2,020	1,980	-	-	-	4,000	-	-	-	-	-	-	4,000	4,000	4,000
		CTT061			C	-	-	2,020	1,980	-	-	-	4,000	-	-	-	-	-	-	4,000	4,000	
				Sub-Total Subway Car Overhaul	SB	34,843	35,667	23,710	23,619	20,054	13,697	13,696	95,036	14,343	14,641	12,358	12,140	-	-	148,964	248,294	
					SP	22,163	28,130	35,193	63,784	49,377	17,367	17,465	183,176	17,085	18,475	12,517	12,140	12,454	74,592	253,849	375,742	299,150
					SC	(12,680)	(9,799)	11,483	40,165	29,324	3,664	3,477	88,113	2,745	3,834	159	-	12,454	74,592	105,296	157,448	
				4.18 Purchase of Streetcars																		
SOGR	FINITE	CTT122	6437	Purchase of 204 Light Rail Vehicles (LRVs)	B	501,844	135,714	141,613	117,219	125,603	109,028	55,481	548,945	-	-	-	-			548,945	1,186,503	
SOGR	FINITE	CTT122			P	440,144	74,672	154,546	116,931	126,439	125,547	125,450	628,893	42,804	-	-	-	-	-	671,697	1,186,503	1,163,503
		CTT122			C	(61,700)	(61,042)	(7,067)	(318)	826	16,518	69,969	79,938	42,804	-	-	-	-	-	122,742	-	
SOGR	FINITE	CTT122	6260	Purchase of 60 Light Rail vehicles (LRVs) for Ridership Growth	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT122			P	-	-	52,755	-	-	-	-	52,755	198,776	107,636	7,161	-	-	-	366,328	366,328	365,328
		CTT122			C	-	-	52,755	-	-	-	-	52,755	198,776	107,636	7,161	-	-	-	366,328	366,328	
				Sub-Total Purchase of Streetcars	SB	501,844	135,714	141,613	117,219	125,603	109,028	55,481	548,945	-	-	-	-	-	-	548,945	1,186,503	
					SP	440,144	74,672	187,301	116,931	126,439	125,547	125,450	681,038	241,580	107,636	7,161	-	-	-	1,038,015	1,552,831	1,352,031
					SC	(61,700)	(61,042)	45,888	(318)	836	16,518	69,969	132,893	241,580	107,636	7,161	-	-	-	489,070	366,328	
				NON-REVENUE VEHICLES																		
				4.21 Purchase Automotive Non-Revenue Vehicles																		
				Existing Projects																		
SOGR	ONGOING	CTT052	Various	Automotive Non-Revenue Vehicles Purchase - Additions	B	253	2,405	525	300	-	-	-	825	-	-	-	-			825	3,483	
SOGR	ONGOING	CTT052			P	4	1,441	9,798	1,500	-	590	-	5,948	-	-	-	-	-	-	5,948	7,393	6,803
		CTT052			C	(249)	(934)	3,273	1,200	-	590	-	5,123	-	-	-	-	-	-	5,123	3,910	
SOGR	ONGOING	CTT052	Various	Automotive Non-Revenue Vehicles Purchase - Replacements	B	870	9,798	3,837	9,690	2,926	242	1,884	14,579	1,884	1,884	1,884	1,884			22,115	32,753	
SOGR	ONGOING	CTT052			P	520	3,502	6,915	5,055	3,537	2,230	2,237	22,104	3,277	6,505	3,974	5,757	1,964	-	43,581	47,903	18,302
		CTT052			C	(350)	(6,998)	5,108	(635)	711	1,988	353	7,525	1,393	4,621	2,090	3,873	1,964	-	21,466	15,150	
				Sub-Total Purchase Automotive Non-Revenue Vehicles	SB	1,123	12,173	4,362	9,990	2,926	242	1,884	15,404	1,884	1,884	1,884	1,884	-	-	22,940	36,236	
					SP	524	5,243	12,743	6,615	3,537	2,820	2,237	29,052	3,277	6,505	3,974	5,757	1,964	-	49,529	55,296	25,105
					SC	(599)	(6,930)	8,381	625	711	2,578	353	12,648	1,393	4,621	2,090	3,873	1,964	-	26,589	19,060	
				4.22 Rail Non-Revenue Vehicle Overhaul																		
				Existing Projects																		
SOGR	ONGOING	CTT053	7744	Workcar Overhaul Program	B	3,131	308	469	448	458	468	482	2,325	492	501	513	523			4,354	7,793	
SOGR	ONGOING	CTT053			P	3,129	308	469	448	458	468	482	2,325	492	501	513	523	534	-	4,588	8,325	4,354
		CTT053			C	(2)	-	-	-	-	-	-	-	-	-	-	-	534	-	534	532	
SOGR	FINITE	CTT053	6055	Replace H-1 Equipment	B	710	481	481	483	475	-	-	1,439	-	-	-	-			1,439	2,630	
SOGR	FINITE	CTT053			P	250	829	697	483	475	-	-	1,655	-	-	-	-	-	-	1,655	2,734	2,734
		CTT053			C	(460)	348	216	-	-	-	-	216	-	-	-	-	-	-	216	104	
SOGR	FINITE	CTT053	TBD	Replace H1 Trucks	B	-	-	-	-	118	121	124	363	127	-	-	-			490	490	
SOGR	FINITE	CTT053			P	-	-	-	31	118	121	124	394	96	-	-	-	-	-	490	490	490
		CTT053			C	-	-	-	31	-	-	-	31	(31)	-	-	-	-	-	-	-	
SOGR	FINITE	CTT053	6056	Rebuild RT 41 Tie Tamper	B	942	1,125	695	-	-	-	-	695	-	-	-	-			695	2,722	
SOGR	FINITE	CTT053			P	70	80	2,672	-	-	-	-	2,672	-	-	-	-	-	-	2,672	2,722	2,722
		CTT053			C	(872)	(1,045)	1,917	-	-	-	-	1,917	-	-	-	-	-	-	1,917	-	
SOGR	FINITE	CTT053	6836	Rebuild RT19/20 as Puller / Utility Cars	B	-	1,000	1,000	-	-	-	-	1,000	-	-	-	-			1,000	2,000	
SOGR	FINITE	CTT053			P	-	1,000	1,000	-	-	-	-	1,000	-	-	-	-	-	-	1,000	2,000	2,000
		CTT053			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				New Projects																		
SOGR	FINITE	CTT053	6848	Upgrade H4 Workcars to ECAM	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT053			P	-	-	310	1,170	1,170	1,170	1,170	4,990	1,170	1,170	1,170	1,170	880	-	10,550	10,550	10,550
		CTT053			C	-	-	310	1,170	1,170	1,170	1,170	4,990	1,170	1,170	1,170	1,170	880	-	10,550	10,550	
				Sub-Total Rail Non-Revenue Vehicle Overhaul	SB	7,753	2,913	2,605	931	1,051	589	606	5,782	619	501	513	523	-	-	7,938	15,035	
					SP	3,449	2,217	9,048	2,132	2,221	1,759	1,776	12,936	1,758	1,671	1,683	1,693	1,414	-	21,195	28,621	22,850
					SC	(1,334)	(697)	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	
				4.23 Purchase Rail Non-Revenue Vehicles																		
				Existing Projects																		
IMPROV	FINITE	CTT054	6964	Geometry/NDT Track Inspection Workcar	B	-	-	144	3,798	-	-	-	3,942	-	-	-	-			3,942	3,942	
IMPROV	FINITE	CTT054			P	-	-	144	3,798	-	-	-	3,942	-	-	-	-	-	-	3,942	3,942	3,942
		CTT054			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT054	TBD	Replace RT 7 Locomotive	B	-	-	-	-	471	4,240	-	4,711	-	-	-	-			4,711	4,711	
SOGR	FINITE	CTT054			P	-	-	-	-	471	4,240	-	4,711	-	-	-	-	-	-	4,711	4,711	4,711
		CTT054			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

TORONTO TRANSIT COMMISSION 2015-2024 CAPITAL BUDGET
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($000's)

APPENDIX B

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	FINITE	CTT054	TBD	Replace RT 16 & 17 Tunnel Washer	B	-	-	-	-	-	236	2,592	2,828	2,356	-	-	-			5,184	5,184	
SOGR	FINITE	CTT054			P	-	-	-	-	-	236	2,592	2,828	2,356	-	-	-	-	-	5,184	5,184	5,184
		CTT054			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT054	6837	Dual Cab Electric Flatcar - Communication	B	-	-	1,500	-	-	-	-	1,500	-	-	-	-			1,500	1,500	
SOGR	FINITE	CTT054			P	-	204	1,296	-	-	-	-	1,296	-	-	-	-	-	-	1,296	1,500	1,500
		CTT054			C	-	204	(204)	-	-	-	-	(204)	-	-	-	-	-	-	(204)	-	
SOGR	FINITE	CTT054	6838	Spot Tamper	B	-	-	450	-	-	-	-	450	-	-	-	-			450	450	
SOGR	FINITE	CTT054			P	-	10	859	-	-	-	-	859	-	-	-	-	-	-	859	869	869
		CTT054			C	-	10	409	-	-	-	-	409	-	-	-	-	-	-	409	419	
SOGR	FINITE	CTT054	6971	Electric Combo Flatcars	B	-	-	-	1,500	1,500	-	-	3,000	-	-	-	-			3,000	3,000	
SOGR	FINITE	CTT054			P	-	-	250	1,500	1,250	-	-	3,000	-	-	-	-	-	-	3,000	3,000	3,000
		CTT054			C	-	-	250	-	(250)	-	-	-	-	-	-	-	-	-	-	-	
SOGR	FINITE	CTT054	6760	Replace RT-43/44 and RT-14/15	B	1,297	1,076	-	-	-	-	-	-	-	-	-	-			-	2,342	
SOGR	FINITE	CTT054			P	632	1,410	649	151	-	-	-	800	-	-	-	-	-	-	800	3,142	3,142
		CTT054			C	(335)	335	649	151	-	-	-	800	-	-	-	-	-	-	800	800	
IMPROV	FINITE	CTT054	6556	Electric Combination Flatcars - Structures (3)	B	2,418	-	-	-	-	-	-	-	-	-	-	-			-	2,418	
IMPROV	FINITE	CTT054			P	2,304	6	-	-	-	-	-	-	-	-	-	-	-	-	-	2,310	2,310
		CTT054			C	(114)	6	-	-	-	-	-	-	-	-	-	-	-	-	-	(108)	
IMPROV	FINITE	CTT054	6497	Vacuum Workcar	B	2,028	-	-	-	-	-	-	-	-	-	-	-			-	2,028	
IMPROV	FINITE	CTT054			P	2,038	(6)	-	-	-	-	-	-	-	-	-	-	-	-	-	2,032	2,032
		CTT054			C	10	(6)	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
				New Projects																		
SOGR	FINITE	CTT054	6972	Skid-Mounted Vacuum Unit	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT054			P	-	-	200	-	-	-	-	200	-	-	-	-	-	-	200	200	200
		CTT054			C	-	-	200	-	-	-	-	200	-	-	-	-	-	-	200	200	
SOGR	FINITE	CTT054	6981	Paper Vacuum Workcar	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT054			P	-	-	2,400	3,600	-	-	-	6,000	-	-	-	-	-	-	6,000	6,000	6,000
		CTT054			C	-	-	2,400	3,600	-	-	-	6,000	-	-	-	-	-	-	6,000	6,000	
SOGR	FINITE	CTT054	6982	Vacuum Excavator	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT054			P	-	-	1,198	3,500	2,302	-	-	7,000	-	-	-	-	-	-	7,000	7,000	7,000
		CTT054			C	-	-	1,198	3,500	2,302	-	-	7,000	-	-	-	-	-	-	7,000	7,000	
SOGR	FINITE	CTT054	6983	Production Tamper	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT054			P	-	-	24	3,400	576	-	-	4,000	-	-	-	-	-	-	4,000	4,000	4,000
		CTT054			C	-	-	24	3,400	576	-	-	4,000	-	-	-	-	-	-	4,000	4,000	
SOGR	FINITE	CTT054	6984	Crane Flatcar (2)	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT054			P	-	-	507	2,300	393	-	-	3,200	-	-	-	-	-	-	3,200	3,200	3,200
		CTT054			C	-	-	507	2,300	393	-	-	3,200	-	-	-	-	-	-	3,200	3,200	
SOGR	FINITE	CTT054	6985	Auxiliary Power Unit (APU) for RT-74 (1)	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT054			P	-	-	200	-	-	-	-	200	-	-	-	-	-	-	200	200	200
		CTT054			C	-	-	200	-	-	-	-	200	-	-	-	-	-	-	200	200	
				Sub-Total: Revenue Rail Non-Revenue Vehicles	SB	6,715	1,076	2,894	6,293	1,371	4,416	2,592	16,431	2,356	-	-	-	-	-	18,787	25,575	
					SP	6,274	1,924	7,727	18,249	4,992	4,476	2,592	38,036	2,356	-	-	-	-	-	40,392	47,250	47,250
					SC	(439)	549	4,833	12,951	3,621	-	-	21,605	-	-	-	-	-	-	21,605	21,715	
				TOOLING, MACHINERY & EQUIPMENT																		
				5.1 Shop Equipment																		
				Annual Programs																		
				Bus Maintenance																		
SOGR	ONGOING	CTT055	6547	Bus Maintenance & Shops Department - Shop Equipment	B	2,897	2,896	1,339	1,452	1,314	1,282	1,292	6,680	1,292	1,292	1,292	1,231			11,856	17,619	
SOGR	ONGOING	CTT055			P	1,896	1,856	3,592	2,146	1,101	1,296	1,363	9,498	1,141	1,170	1,169	1,229	1,269	-	15,457	18,179	9,466
		CTT055			C	(1,001)	(1,040)	2,253	694	(213)	(25)	71	2,789	(151)	(122)	(53)	(62)	1,269	-	3,501	1,560	
				Rail Cars & Shops																		
SOGR	ON-GOING	CTT055	6532	Street Car Carhouse Shop Equipment	B	771	400	93	93	103	113	123	526	123	123	123	125			1,015	2,200	
SOGR	ONGOING	CTT055			P	387	562	820	93	103	113	123	1,252	123	123	123	125	125	-	1,871	2,850	1,892
		CTT055			C	(384)	162	727	-	-	-	-	727	-	-	-	-	125	-	852	570	
SOGR	ONGOING	CTT055	6523	Greenwood Shop/Subway/SRT Car Carhouse Shop Equipment	B	2,903	400	500	537	596	606	616	2,855	616	616	616	631			5,334	8,949	
SOGR	ONGOING	CTT055			P	1,524	1,900	1,372	537	596	606	616	3,727	616	616	616	631	640	-	6,846	10,370	5,433
		CTT055			C	(1,262)	1,500	872	-	-	-	-	872	-	-	-	-	640	-	1,512	1,730	
				Vehicle Engineering - Rubber Tired Shop Equipment																		
SOGR	ONGOING	CTT055	6527	Vehicle Engineering Rubber Tire Shop Equipment	B	821	1,912	645	645	453	382	502	2,637	471	370	471	471			4,420	7,153	
SOGR	ONGOING	CTT055			P	209	933	2,010	713	574	1,362	502	5,161	471	350	471	471	471	-	7,425	8,157	3,455
		CTT055			C	(612)	(1,386)	1,365	68	121	980	-	2,524	-	(20)	-	-	471	-	3,005	1,004	
				Miscellaneous																		
SOGR	ONGOING	CTT055	5979	5.1 Materials Management - Warehouse & Material Handling Equipmer	B	2,721	360	38	37	426	188	203	903	181	202	43	44			1,350	4,431	
SOGR	ONGOING	CTT055			P	2,473	225	726	677	507	199	205	2,514	211	42	43	44	45	-	2,699	5,698	4,402
		CTT055			C	(248)	(54)	688	640	81	1	2	1,614	30	(160)	-	-	45	-	1,549	1,267	

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APPENDIX B

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
IMPROV	FINITE	CTT055	6429	Vigil Vanguard Driver Training Program	B	666	-	-	-	-	-	-	-	-	-	-	-			-	666	
IMPROV	FINITE	CTT055			P	602	68	-	-	-	-	-	-	-	-	-	-	-	-	-	670	668
		CTT055			C	(64)	68	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
				Sub-Total Shop Equipment & Major Tools	SB	10,782	6,070	2,613	2,774	2,902	2,581	2,756	13,626	2,663	2,693	2,848	2,562	-	-	23,979	40,608	
					SP	7,181	5,269	8,520	4,356	2,861	3,526	2,659	22,102	2,862	2,541	2,458	2,500	2,941	-	34,498	46,822	28,310
					SC	(3,601)	(816)	5,907	1,582	(21)	945	73	8,476	(101)	(152)	(93)	(62)	2,941	-	10,518	6,113	
				5.2 Revenue & Fare Handling Equipment																		
				Existing Projects																		
SOGR	ONGOING	CTT056	7737	Turnstile Replacement	B	2,751	3,275	1,729	1,765	1,829	1,938	1,649	8,101	1,960	2,078	2,203	2,336			17,677	25,703	
SOGR	ONGOING	CTT056			P	2,736	992	4,128	1,765	1,829	1,836	1,977	11,635	2,065	2,100	2,108	2,115	1,896	-	21,941	25,558	9,809
		CTT056			C	(15)	(2,283)	2,400	-	-	-	128	2,534	125	22	(95)	(220)	1,896	-	2,864	1,855	
SOGR	ONGOING	CTT056	6028	Revenue and Fare Handling Equipment	B	1,885	499	75	75	75	75	250	550	250	250	250	250			1,550	3,944	
SOGR	ONGOING	CTT056			P	1,124	518	950	75	75	75	250	1,425	250	250	250	250	250	-	2,715	4,357	2,707
		CTT056			C	(771)	19	915	-	-	-	-	915	-	-	-	-	250	-	1,165	413	
EXPAN	FINITE	CTT056	6812	Revenue Operations Business Continuity	B	-	600	-	-	-	-	-	-	-	-	-	-			-	600	
EXPAN	FINITE	CTT056			P	-	-	800	-	-	-	-	800	-	-	-	-	-	-	800	800	600
		CTT056			C	-	(600)	800	-	-	-	-	800	-	-	-	-	-	-	800	200	
SOGR	FINITE	CTT056	7576	Vending Machine Project	B	9,568	807	-	-	-	-	-	-	-	-	-	-			-	10,375	
SOGR	FINITE	CTT056			P	9,092	1,655	-	-	-	-	-	-	-	-	-	-	-	-	-	10,747	10,557
		CTT056			C	(476)	759	-	-	-	-	-	-	-	-	-	-	-	-	-	372	
				Sub-Total Revenue & Fare Handling Equipment	SB	14,214	5,181	1,756	1,840	1,904	2,013	2,099	9,651	2,210	2,328	2,453	2,586	-	-	16,227	30,622	
					SP	12,952	3,965	5,818	1,840	1,904	2,013	2,227	13,900	2,315	2,350	2,358	2,365	1,846	-	25,156	41,173	23,773
					SC	(1,262)	(2,116)	4,121	-	-	-	128	4,249	125	22	(95)	(220)	1,846	-	8,929	2,551	
				5.3 Other Maintenance Equipment																		
				Annual Programs																		
SOGR	ONGOING	CTT113	6170	Plant Maintenance Department Equipment	B	1,140	564	615	605	600	600	600	3,020	600	600	600	600			5,420	7,124	
SOGR	ONGOING	CTT113			P	904	900	615	605	600	600	600	3,020	600	600	600	600	600	-	6,020	7,824	3,024
		CTT113			C	(236)	336	-	-	-	-	-	-	-	-	-	-	600	-	600	600	
SOGR	ONGOING	CTT113	6100	Subway Infrastructure Department Equipment	B	1,604	4,450	268	282	282	282	282	1,396	282	282	282	282			2,524	8,578	
SOGR	ONGOING	CTT113			P	987	1,657	5,459	282	282	282	282	6,578	282	282	282	282	282	-	7,686	10,342	8,096
		CTT113			C	(617)	(2,793)	4,882	-	-	-	-	4,882	-	-	-	-	282	-	5,164	1,764	
SOGR	ONGOING	CTT113	6165	Streetcar Maintenance Department Equipment	B	554	775	138	138	138	138	138	690	138	138	138	138			1,242	2,571	
SOGR	ONGOING	CTT113			P	3	1,426	5,633	138	138	138	138	6,185	138	138	138	138	138	-	6,875	8,304	7,200
		CTT113			C	(551)	651	5,495	-	-	-	-	5,495	-	-	-	-	138	-	5,633	5,633	
				New Projects																		
SOGR	ONGOING	CTT113	New	Other Maintenance Equipment	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	ONGOING	CTT113			P	-	-	110	50	50	50	50	350	50	50	50	50	50	-	600	600	200
		CTT113			C	-	-	110	50	50	50	50	350	50	50	50	50	50	-	600	600	
SOGR	ONGOING	CTT113	New	Station Services Equipment	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	ONGOING	CTT113			P	-	155	171	337	92	155	61	816	83	84	143	83	90	-	1,324	1,479	663
		CTT113			C	-	155	171	337	92	155	61	816	83	84	143	83	90	-	1,324	1,479	
				Sub-Total Other Maintenance Equipment	SB	3,398	5,969	1,021	1,025	1,020	1,020	1,020	5,106	1,020	1,020	1,020	1,020	-	-	9,186	19,473	
					SP	1,894	4,148	11,475	1,452	1,162	1,225	1,161	16,655	1,153	1,154	1,213	1,159	1,160	-	22,507	28,549	19,173
					SC	(1,504)	(1,741)	10,454	427	142	205	141	11,549	133	134	193	139	1,160	-	13,321	10,076	
				5.4 FARE SYSTEM																		
				TTC/GTA Farecard																		
EXPAN	FINITE	CTT141	6385	TTC-PRESTO Project	B	10,828	8,100	10,900	10,560	6,600	-	-	28,060	-	-	-	-			26,060	48,988	
EXPAN	FINITE	CTT141			P	6,365	6,000	9,625	10,365	7,666	4,678	-	32,333	-	-	-	-	-	-	32,333	46,698	46,698
		CTT141			C	(2,463)	(2,100)	(1,275)	(195)	1,066	4,678	-	4,273	-	-	-	-	-	-	4,273	(290)	
				POP Legacy																		
SOGRS	FINITE	CTT141	6386	FOP Legacy Fare Collection	B	1,355	1,230	1,230	1,185	-	-	-	2,415	-	-	-	-			2,415	5,000	
SOGRS	FINITE	CTT141			P	15	1,749	1,177	629	643	563	-	3,236	-	-	-	-	-	-	3,236	5,000	5,000
		CTT141			C	(1,340)	519	(53)	(556)	643	563	-	821	-	-	-	-	-	-	821	-	
				Sub-Total Other Fare system Equipment	SB	12,183	9,330	12,130	11,745	6,600	-	-	30,475	-	-	-	-	-	-	30,475	51,988	
					SP	6,380	7,749	10,802	11,139	8,308	5,271	-	35,569	-	-	-	-	-	-	35,569	51,698	51,698
					SC	(3,803)	(1,581)	(1,326)	(606)	1,708	5,271	-	5,094	-	-	-	-	-	-	5,094	(290)	
				ENVIRONMENTAL ISSUES																		
				6.1 Environmental Programs																		
				Existing Projects																		
LEGIS	ONGOING	CTT058	6142	Subway Asbestos Removal Program	B	41,674	3,110	2,754	3,016	3,076	2,288	2,352	13,527	2,418	2,483	2,995	3,058			24,480	69,264	
LEGIS	ONGOING	CTT058			P	38,151	2,736	4,550	4,845	4,942	5,142	5,246	25,125	5,349	5,453	5,558	5,676	5,793	-	52,905	93,657	50,664
		CTT058			C	(3,523)	(372)	1,796	1,830	1,866	2,854	2,894	11,598	2,931	2,970	2,563	2,620	5,793	-	28,425	24,393	

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APPENDIX B

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
LEGIS	FIN TE	CTT058	6597	Garage Subsurface Remediation Program	B	3,547	1,378	1,822	1,679	2,071	5,716	250	11,638	250	250	250	-		-	12,588	17,513	
LEGIS	FIN TE	CTT058			P	3,449	1,146	437	1,157	1,374	3,708	4,292	10,968	600	675	675	-	-	-	12,918	17,513	17,513
		CTT058			C	(98)	(232)	(1,385)	(522)	(697)	(2,008)	4,042	(670)	350	425	425	-	-	-	330	-	
LEGIS	FINITE	CTT058	7230	Storage Tank Replacements	B	10,074	1,625	2,600	2,800	3,734	2,600	2,000	12,934	2,000	2,100	-	-			17,034	34,733	
LEGIS	FINITE	CTT058			P	18,153	1,546	3,340	6,365	6,558	7,070	500	24,894	1,840	500	-	-	-	-	27,034	44,733	44,733
		CTT058			C	79	(79)	(260)	3,765	4,825	5,070	(1,500)	11,960	(360)	(1,600)	-	-	-	-	10,000	10,000	
				Sub-Total Environmental Programs	SB	61,203	6,113	7,216	7,594	8,893	10,004	4,502	38,299	4,600	4,603	3,246	3,050	-	-	54,102	121,910	
					SP	57,753	6,430	7,727	12,307	14,678	10,920	10,139	55,767	7,589	6,639	6,240	5,676	5,760	-	92,920	156,183	112,520
					SC	(3,542)	(683)	511	4,713	5,992	6,916	5,955	22,598	2,921	1,805	2,994	2,626	5,760	-	38,818	34,593	
				COMPUTER EQUIPMENT & SOFTWARE																		
				7.1 IT Systems / Infrastructure																		
				7.10 Service and Program Management																		
SOGR	FINITE	CTT061	Various	7.10 Service & Program Management	B	2,936	1,903	1,535	550	300	3,300	8,300	13,985	10,800	8,300	4,750	1,800			38,635	41,476	
SOGR	FINITE	CTT061			P	1,973	925	3,025	1,550	600	800	8,500	14,875	10,800	8,300	4,750	1,800	300	-	37,625	40,523	40,523
		CTT061			C	(963)	(978)	1,490	1,000	500	(2,500)	200	690	-	-	-	-	300	-	990	(953)	
				7.11 Financial Management																		
SOGR	FINITE	CTT061	Various	7.11 Financial Management	B	12,681	300	550	100	-	-	-	650	-	-	-	-			650	13,631	
SOGR	FINITE	CTT061			P	12,157	624	850	200	-	-	-	1,050	-	-	-	-	-	-	1,050	13,831	13,831
		CTT061			C	(524)	324	300	100	-	-	-	400	-	-	-	-	-	-	400	200	
SOGR	FINITE	CTT061	TBD	7.11A SAP - ERP Implementation Program	B	-	1,000	3,000	21,394	18,905	11,454	7,661	62,414	-	-	-	-			62,414	63,414	
SOGR	FINITE	CTT061			P	-	1,000	3,000	21,394	18,905	11,454	7,661	62,414	-	-	-	-	-	-	62,414	63,414	63,414
		CTT061			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				7.12 Supply Chain Management																		
SOGR	FINITE	CTT061	Various	7.12 Supply Chain Management	B	29,701	310	456	-	-	-	-	456	-	-	-	-			456	29,517	
SOGR	FINITE	CTT061			P	28,872	67	310	456	-	-	-	765	-	-	-	-	-	-	765	29,705	29,705
		CTT061			C	121	(243)	(146)	456	-	-	-	310	-	-	-	-	-	-	310	188	
				7.13 Risk Management																		
SOGR	FINITE	CTT061	Various	7.13 Risk Management	B	3,060	2,260	1,360	150	300	50	50	1,940	50	50	50	50			2,140	7,450	
SOGR	FINITE	CTT061			P	1,544	789	1,915	1,579	245	200	100	4,039	50	50	50	50	50	-	4,289	6,622	6,622
		CTT061			C	(1,516)	(1,471)	555	1,429	(55)	150	50	2,099	-	-	-	-	50	-	2,149	(828)	
				7.14 Customer Management																		
SOGR	FINITE	CTT061	Various	7.14 Customer Management	B	10,586	935	1,493	-	-	-	-	1,493	-	-	-	-			1,493	13,014	
SOGR	FINITE	CTT061			P	10,112	2,017	4,760	3,175	4,600	2,400	-	15,035	-	-	-	-	-	-	16,935	29,064	29,064
		CTT061			C	(474)	1,082	3,267	3,175	4,600	2,400	-	13,442	-	-	-	-	-	-	16,442	16,050	
				7.15 Service delivery Management																		
SOGR	FINITE	CTT061	Various	7.15 Service Delivery Management	B	97,404	11,807	11,851	10,185	10,045	9,360	12,046	53,488	12,562	11,962	11,615	10,950			100,987	210,178	
SOGR	FINITE	CTT061			P	92,876	13,374	15,463	12,423	11,426	9,746	10,091	59,147	10,925	12,137	12,375	12,775	12,575	-	119,934	226,487	165,400
		CTT061			C	(4,528)	1,567	3,612	2,237	1,380	385	(1,955)	5,659	(2,637)	175	760	1,825	12,575	-	18,947	16,309	
SOGR	FINITE	CTT061	TBD	7.15A CAD/AVL System	B	-	1,000	1,000	30,000	30,000	30,000	-	91,000	-	-	-	-			91,000	95,000	
SOGR	FINITE	CTT061			P	-	1,000	4,000	30,000	30,000	30,000	-	94,000	-	-	-	-	-	-	94,000	99,000	95,000
		CTT061			C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				7.16 Human Resources Management																		
SOGR	FINITE	CTT061	Various	7.16 Human Resource Management	B	2,524	1,178	1,320	-	-	-	-	1,320	-	-	-	-			1,320	5,020	
SOGR	FINITE	CTT061			P	2,645	578	949	510	340	-	-	1,799	-	-	-	-	-	-	1,799	5,020	5,020
		CTT061			C	121	(599)	(371)	510	340	-	-	479	-	-	-	-	-	-	479	-	
				7.17 Information Management																		
SOGR	FINITE	CTT061	Various	7.17 Information Management	B	8,653	7,755	6,646	3,467	75	60	100	10,350	150	300	70	-			10,770	26,588	
SOGR	FINITE	CTT061			P	6,532	6,348	6,762	3,720	2,652	532	200	13,866	-	-	-	-	-	-	13,866	26,746	26,746
		CTT061			C	(1,531)	(1,407)	214	253	2,577	472	100	3,616	(150)	(300)	(70)	-	-	-	3,096	158	
				7.18 Asset Management																		
SOGR	FINITE	CTT061	Various	7.18 Asset Management	B	31,974	3,615	4,477	445	-	-	-	4,922	-	-	-	-			4,922	40,411	
SOGR	FINITE	CTT061			P	32,088	2,048	3,590	3,129	1,490	-	-	8,209	-	-	-	-	-	-	8,209	42,325	42,325
		CTT061			C	114	(1,567)	(887)	2,684	1,490	-	-	3,287	-	-	-	-	-	-	3,287	1,914	
SOGR	FINITE	CTT061	TBD	SMS Work Order System SOGR	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
SOGR	FINITE	CTT061			P	-	-	-	1,000	2,000	2,000	5,000	10,000	5,000	-	-	-	-	-	15,000	15,000	15,000
		CTT061			C	-	-	-	1,000	2,000	2,000	5,000	10,000	5,000	-	-	-	-	-	15,000	15,000	
				7.2 Other Dept. IT Projects																		
SOGR	ONGOING	CTT061	6945	CADD Hardware & Software	B	1,856	255	293	243	250	280	315	1,381	320	325	333	338			2,657	4,778	
SOGR	ONGOING	CTT061			P	1,690	408	409	256	250	280	422	1,609	333	325	333	338	343	-	3,272	5,370	2,763
		CTT061			C	(166)	153	116	13	0	-	67	249	13	-	-	-	343	-	605	592	
SOGR	ONGOING	CTT061	6312	Operations Computer Infrastructure	B	3,430	2,577	1,265	1,125	650	660	320	4,020	776	894	850	750			7,298	13,805	
SOGR	ONGOING	CTT061			P	2,379	3,628	1,340	1,125	650	660	620	4,395	776	894	850	750	750	-	8,020	14,050	3,472
		CTT061			C	(1,051)	1,051	75	-	-	-	-	75	-	-	-	-	750	-	855	855	
				Sub-Total Corporate Systems	SB	203,157	34,803	36,148	67,980	60,643	55,164	29,292	250,197	22,048	18,831	17,668	13,838	-	-	326,232	564,293	
					SP	192,851	33,834	46,375	82,517	73,356	58,071	37,774	293,103	27,984	18,708	18,358	18,713	14,049	-	387,917	613,487	343,685
					SC	(10,306)	(12,969)	8,225	14,537	12,638	2,907	8,482	42,906	2,936	(125)	690	4,875	14,049	-	61,583	49,193	

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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	EPC	PROJECT APPROVAL REQUEST
				OTHER																		
				9.1 Furniture & Office Equipment																		
				Annual Programs																		
SOGR	ONGOING	CTT062	6979	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			P	1,427	627	282	97	370	236	149	1,134	557	295	103	255	95	-	2,439	4,493	2,439
		CTT062			C	(110)	532	(275)	-	-	-	-	(275)	-	-	-	-	95	-	(180)	242	
SOGR	ONGOING	CTT062	6946	Furniture & Office Equipment	B	674	107	169	112	116	119	123	579	126	130	134	137			1,100	1,887	
SOGR	ONGOING	CTT062			P	579	167	169	112	116	119	123	579	126	130	134	137	140	-	1,246	1,992	907
		CTT062			C	(95)	-	-	-	-	-	-	-	-	-	-	-	140	-	146	45	
				Sub-Total Other - Furniture & Office Equipment	SB	2,211	202	656	209	486	355	272	1,988	683	425	237	392	-	-	3,728	6,138	
					SP	2,006	794	391	209	486	355	272	1,713	683	425	237	392	235	-	3,685	6,425	3,346
					SC	(205)	592	(275)	-	-	-	-	(275)	-	-	-	-	235	-	(40)	287	
				OTHER																		
				9.2 Service Planning																		
				Annual Programs																		
IMPROV	ONGOING	CTT063	6351	Transit Priorities *	B	3,693	275	275	275	275	275	275	1,375	275	275	275	275			2,475	6,643	
IMPROV	ONGOING	CTT063			P	2,033	1,066	4,297	2,035	2,035	2,035	2,035	12,497	2,035	2,035	2,035	2,035	2,035	-	22,582	25,681	9,401
		CTT063			C	(1,660)	791	3,992	1,760	1,760	1,760	1,760	11,092	1,760	1,760	1,760	1,760	2,035	-	20,107	19,038	
				Existing Projects																		
IMPROV	FINITE	CTT063	7581	Automatic Passenger Counting (APC) Implementation Program	B	4,760	240	-	-	-	-	-	-	-	-	-	-			-	4,990	
IMPROV	FINITE	CTT063			P	4,001	650	339	-	-	-	-	339	-	-	-	-	-	-	339	4,990	4,990
		CTT063			C	(749)	410	339	-	-	-	-	339	-	-	-	-	-	-	339	-	
IMPROV	FINITE	CTT063	6362	Construct BRT Lines on the Avenues - Environmental Assessment	B	310	800	800	800	801	-	-	1,601	-	-	-	-			1,601	2,711	
IMPROV	FINITE	CTT063			P	910	-	800	800	800	801	-	2,401	-	-	-	-	-	-	2,401	2,711	2,711
		CTT063			C	-	(800)	-	-	(1)	801	-	800	-	-	-	-	-	-	800	-	
IMPROV	FINITE	CTT063	6417	Automatic Passenger Counting (APC) Equipment on Articulated Buses	B	-	495	-	-	-	-	-	-	-	-	-	-			-	495	
IMPROV	FINITE	CTT063			P	-	150	335	1,085	-	-	-	1,420	-	-	-	-	-	-	1,420	1,580	1,580
		CTT063			C	-	(335)	335	1,085	-	-	-	1,420	-	-	-	-	-	-	1,420	1,085	
SOGR	FINITE	CTT063	6419	Platform Modifications to Accommodate Articulated Buses	B	-	2,000	-	-	-	-	-	-	-	-	-	-			-	2,000	
SOGR	FINITE	CTT063			P	-	500	750	750	-	-	-	1,500	-	-	-	-	-	-	1,500	2,000	2,000
		CTT063			C	-	(1,500)	750	750	-	-	-	1,500	-	-	-	-	-	-	1,500	-	
				New Projects																		
IMPROV	ONGOING	CTT063	New	Automatic Passenger Counting (APC) Equipment on Future Bus and	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
IMPROV	ONGOING	CTT063		Streetcar Purchases	P	-	-	-	450	800	600	600	2,450	600	-	-	-	-	-	3,050	3,050	450
		CTT063			C	-	-	-	450	800	600	600	2,450	600	-	-	-	-	-	3,050	3,050	
LEGIS	FINITE	CTT063	6712	Bus Stop Improvements for Accessibility	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
LEGIS	FINITE	CTT063			P	-	-	200	200	200	200	200	1,000	200	200	200	200	200	-	2,000	2,000	2,000
		CTT063			C	-	-	200	200	200	200	200	1,000	200	200	200	200	200	-	2,000	2,000	
				Board Approved Initiative to Improve Service																		
IMPROV	FINITE	CTT063	6713	Opportunities to Improve Transit Service - Transit Priority Measures	B	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
IMPROV	FINITE	CTT063			P	-	-	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	SB	6,993	3,610	875	875	876	275	275	3,176	275	275	275	275	-	-	4,276	13,533	
					SP	6,344	2,376	6,891	7,520	8,035	5,835	5,935	33,017	2,835	2,235	2,235	2,235	2,235	-	45,292	54,012	38,132
					SC	(2,649)	(1,234)	6,016	6,645	7,159	5,561	5,660	30,341	2,560	1,960	1,960	1,960	2,235	-	41,016	37,173	
				FUNDED BASE CAPITAL PROGRAM		5,385,813	1,083,889	1,092,736	877,506	858,476	682,867	590,578	4,111,563	352,328	309,982	327,671	307,249	-	-	5,608,923	11,578,625	
						5,188,788	1,026,947	1,148,808	1,203,436	1,107,123	1,072,154	1,005,578	5,537,407	941,465	692,154	822,260	639,194	630,010	1,935,515	9,268,495	17,419,778	13,164,674
						(197,025)	(56,952)	56,072	325,940	248,717	389,287	415,298	1,426,024	589,137	382,162	494,589	331,946	630,010	1,935,515	3,659,572	5,841,078	

CAPITAL BUDGET SUBMISSION
FOR PRESENTATION TO THE BOARD FEBRUARY 02, 2015

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

APPENDIX B

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
COMPL			Various	Completed Project Items - details available from Finance Capital	CB	496,881	-	-	-	-	-	-	-	-	-	-	-			-	496,881	
COMPL				Accounting	CP	495,929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	495,929	495,929
					CC	(952)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(952)	
				TOTAL - FUNDED BASE CAPITAL PROGRAM		5,862,896	1,083,899	1,002,736	877,598	808,406	893,067	930,578	4,111,383	352,328	338,892	327,871	307,249	-	-	5,408,923	12,375,521	
						5,864,695	1,026,847	1,148,008	1,203,436	1,107,123	1,072,164	1,005,676	5,537,407	941,465	892,184	822,200	639,194	636,910	1,035,615	9,468,490	17,615,847	13,060,000
						(198,094)	(56,932)	26,072	325,848	298,717	390,097	415,256	1,426,024	589,137	392,152	494,299	331,945	636,910	1,035,615	3,859,567	5,240,126	
				CITY REQUESTED BUDGET REDUCTIONS																		
			New	1.1 Subway Track reduction	B	-	-	-	-	-	10,000	10,000	20,000	10,000	10,000	10,000	10,000	-	-	60,000	60,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	-	-	-	(10,000)	(10,000)	(20,000)	(10,000)	(10,000)	(10,000)	(10,000)	-	-	(60,000)	(60,000)	
			New	1.2 Surface Track Reduction	B	-	10,000	8,000	10,000	10,000	10,000	-	38,000	-	-	-	-	-	-	38,000	48,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	(10,000)	(8,000)	(10,000)	(10,000)	(10,000)	-	(38,000)	-	-	-	-	-	-	(38,000)	(48,000)	
			New	2.1 Traction Power Reduction	B	-	10,000	10,000	5,000	-	-	-	15,000	-	-	-	-	-	-	15,000	25,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	(10,000)	(10,000)	(5,000)	-	-	-	(15,000)	-	-	-	-	-	-	(15,000)	(25,000)	
			New	3.1 Station finish Renewal Program Reduction	B	-	-	-	-	-	1,500	4,750	6,250	9,500	10,000	10,000	10,000	-	-	45,750	45,750	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	-	-	-	(1,500)	(4,750)	(6,250)	(9,500)	(10,000)	(10,000)	(10,000)	-	-	(45,750)	(45,750)	
			New	3.1 Finishes Reduction	B	-	-	10,000	-	-	-	-	10,000	10,000	10,000	10,000	-	-	-	40,000	40,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	(10,000)	-	-	-	-	(10,000)	(10,000)	(10,000)	(10,000)	-	-	-	(40,000)	(40,000)	
			New	3.2 Equipment Reduction	B	-	5,000	10,000	5,000	5,000	5,000	5,000	30,000	5,000	5,000	5,000	5,000	-	-	50,000	55,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	(5,000)	(10,000)	(5,000)	(5,000)	(5,000)	(5,000)	(30,000)	(5,000)	(5,000)	(5,000)	(5,000)	-	-	(50,000)	(55,000)	
			5867	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	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	(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	-	5,000	10,000	5,000	5,000	5,000	5,000	30,000	5,000	5,000	5,000	5,000	-	-	50,000	55,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	(5,000)	(10,000)	(5,000)	(5,000)	(5,000)	(5,000)	(30,000)	(5,000)	(5,000)	(5,000)	(5,000)	-	-	(50,000)	(55,000)	
			577x	3.9 Fire Ventilation Upgrade Reduction	B	-	(2,600)	7,485	23,842	12,550	14,372	16,765	75,014	21,303	19,822	19,545	26,212	-	-	161,896	159,090	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	2,600	(7,485)	(23,842)	(12,550)	(14,372)	(16,765)	(75,014)	(21,303)	(19,822)	(19,545)	(26,212)	-	-	(161,896)	(159,090)	
			555X	3.9 Easier Access Phase III Reduction	B	-	-	-	-	-	5,442	51,752	57,194	44,911	46,372	46,813	42,710	-	-	240,000	240,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	-	-	-	(5,442)	(51,752)	(57,194)	(44,911)	(46,372)	(46,813)	(42,710)	-	-	(240,000)	(240,000)	
			6078	McNicoll New Bus Garage Reduction	B	-	(8,000)	(25,000)	(10,000)	20,300	40,000	45,000	80,300	28,700	-	-	-	-	-	109,000	101,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	8,000	25,000	10,000	(20,300)	(40,000)	(45,000)	(80,300)	(28,700)	-	-	-	-	-	(109,000)	(101,000)	
			New	3.9 Building and Structures Reduction	B	-	-	10,000	-	-	-	-	10,000	-	-	-	-	-	-	10,000	10,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	(10,000)	-	-	-	-	(10,000)	-	-	-	-	-	-	(10,000)	(10,000)	
			New	4.11 Purchase of 400 Low floor 40ft Diesel Buses Reduction	B	-	-	29,222	37,185	24,953	74,851	-	166,211	-	-	-	-	-	-	166,211	166,211	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	(29,222)	(37,185)	(24,953)	(74,851)	-	(166,211)	-	-	-	-	-	-	(166,211)	(166,211)	
			New	4.11 Purchase of 135 Low Floor 40ft Diesel Buses (service Enhancement	B	-	-	-	-	-	-	105,276	105,276	-	-	-	-	-	-	105,276	105,276	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	-	-	-	-	(105,276)	(105,276)	-	-	-	-	-	-	(105,276)	(105,276)	
			New	4.11 Purchase of 900 Low Floor 40ft Diesel Buses Reduction	B	-	-	-	-	-	-	155,875	155,875	163,308	171,100	179,277	93,871	-	-	763,431	763,431	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	-	-	-	-	(155,875)	(155,875)	(163,308)	(171,100)	(179,277)	(93,871)	-	-	(763,431)	(763,431)	
			New	4.11 Purchase of 198 Future Wheel-Trans Buses Reduction	B	-	-	-	-	-	(534)	(1,965)	(2,499)	12,381	-	12,189	-	-	-	22,071	22,071	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	-	-	-	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	-	-	-	-	-	-	-	-	-	-	-	425,707	-	-	425,707	425,707	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	-	-	-	-	-	-	-	-	-	(425,707)	-	-	(425,707)	(425,707)	
			6868	4.13 Orion VII Bus Rebuild Program Reduction	B	-	(7,168)	(27,604)	(27,732)	(69,883)	(48,592)	(48,826)	(212,737)	(7,486)	(9,217)	(3,977)	(19,181)	-	-	(252,598)	(259,766)	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	7,168	27,604	27,732	69,883	48,592	48,826	212,737	7,486	9,217	3,977	19,181	-	-	252,598	259,766	
			TBD	4.13 Train Door Monitoring System-T1 & TR Reduction	B	-	13,803	22,506	15,166	-	-	-	37,672	-	-	-	-	-	-	37,672	51,475	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					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	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	(51,724)	-	-	-	-	(160,819)	(160,819)	(130,946)	(9,415)	-	-	-	-	(301,180)	(352,904)	

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($000's)

APPENDIX B

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
			New	7.1 SMS Work Order System SOGR Reduction	B	-	-	200	800	2,000	2,000	5,000	10,000	5,000	-	-	-	-	-	15,000	15,000	
					P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					C	-	-	(200)	(800)	(2,000)	(2,000)	(5,000)	(10,000)	(5,000)	-	-	-	-	-	(15,000)	(15,000)	
				Sub-Total Unfunded Projects	SB	-	77,503	59,809	69,261	26,920	126,039	519,345	817,375	443,563	252,492	300,647	604,319	-	-	2,448,596	2,526,149	-
					SP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					SC	-	(77,503)	(59,809)	(69,261)	(26,920)	(126,039)	(519,345)	(817,375)	(443,563)	(252,492)	(300,647)	(604,319)	-	-	(2,448,596)	(2,526,149)	
				TOTAL - BASE CAPITAL PROGRAM		5,892,699	1,161,452	1,192,545	948,557	898,325	817,106	1,105,824	4,962,358	795,861	592,484	828,818	911,958	-	-	7,897,519	14,001,670	
					SB	5,054,695	1,038,947	1,148,808	1,203,426	1,107,123	1,072,164	1,005,870	5,537,467	841,465	592,154	822,260	639,194	538,010	1,915,815	9,488,490	12,015,647	13,960,603
					SC	(196,004)	(134,505)	(12,737)	256,579	208,797	261,058	(104,046)	609,842	145,574	99,670	183,442	(272,374)	535,010	1,915,815	1,410,871	3,013,977	

* Note to the McNicoll Bus Garage and Transit Priority Projects:
The 2014-2023 Board Approved Capital Budget of $9.037 B subsequently revised by City for two projects: McNicoll Bus Garage Facility Project (Program 3.9 - CTT148) revised cash flows with zero impact to EFC and Transit Priority Project (Program 9.2 - CTT063) reduced 10-year cash flow by $1.750 million annually, with total reduction of $17.6 million to EFC.

TORONTO YORK SPADINA SUBWAY EXTENSION - TO VAUGHAN CORPORATE CENTRE

CTT134	658X	Toronto York Spadina Subway Extension	B	1,514,875	527,583	323,908	268,405	-	-	-	591,713	-	-	-	-	-	-	591,713	2,634,171	
CTT134			P	1,364,915	379,246	444,180	445,830	-	-	-	890,010	-	-	-	-	-	-	890,010	2,634,171	2,634,171
CTT134			C	(149,960)	(148,337)	120,872	177,425	-	-	-	298,297	-	-	-	-	-	-	298,297	-	
		Sub-Total Spadina Subway Extension to VOC	SB	1,514,875	527,583	323,908	268,405	-	-	-	591,713	-	-	-	-	-	-	591,713	2,634,171	
			SP	1,364,915	379,246	444,180	445,830	-	-	-	890,010	-	-	-	-	-	-	890,010	2,634,171	2,634,171
			SC	(149,960)	(148,337)	120,872	177,425	-	-	-	298,297	-	-	-	-	-	-	298,297	-	

SCARBOROUGH SUBWAY EXTENSION

CTT147	631x	Scarborough Subway	B	-	14,500	15,500	82,872	171,468	339,383	665,750	1,274,970	978,861	628,459	411,189	98,991	-	-	3,290,500	3,305,000	
CTT147			P	16	1,430	33,758	101,118	167,550	258,162	741,903	1,296,491	697,403	609,398	451,992	207,774	31,000	12,500	3,290,054	3,305,000	303,672
CTT147			C	16	(13,070)	18,258	18,246	(3,918)	(87,221)	76,153	21,521	(181,458)	(23,094)	40,803	110,782	31,000	12,500	(446)	-	
CTT147	6501	SRT Life Extension - Facilities, Equipment & Vehicles	B	-	-	-	14,000	15,000	16,000	16,000	61,000	17,000	17,000	18,000	19,000	-	-	132,000	132,000	
CTT147	6502		P	-	-	16,500	19,000	18,000	16,000	15,000	84,500	14,000	13,000	13,000	7,500	-	-	132,000	132,000	132,000
CTT147	6503		C	-	-	16,500	5,000	3,000	-	(1,000)	23,500	(3,000)	(4,000)	(5,000)	(11,500)	-	-	-	-	
CTT147	YED	SRT Decommissioning & Demolition	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CTT147			P	-	-	-	-	-	-	-	-	-	-	-	-	-	123,000	-	123,000	-
CTT147			C	-	-	-	-	-	-	-	-	-	-	-	-	-	123,000	-	123,000	
		Sub-Total Scarborough Subway Extension	SB	-	14,500	15,500	95,872	186,468	355,383	681,750	1,335,970	995,861	645,459	429,189	115,991	-	-	3,422,500	3,437,000	
			SP	16	1,430	50,258	120,118	185,550	258,162	755,903	1,380,991	711,403	618,398	464,992	215,274	31,000	136,500	3,422,054	3,560,000	435,672
			SC	16	(13,070)	34,758	23,246	(915)	(87,221)	75,153	45,021	(184,458)	(27,094)	35,803	99,282	31,000	136,500	(446)	123,000	

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

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APPENDIX B

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
				WATERFRONT INITIATIVES COORDINATED BY WATERFRONT TORONTO																	
			563X	Union Station New Platform	100,979	21,136	17,333	-	-	-	-	17,333	-	-	-	-	-	-	17,333	139,450	
					103,752	21,136	18,180	5,400	-	-	-	23,580	-	-	-	-	-	-	23,580	148,450	
					2,773	-	827	5,400	-	-	-	6,227	-	-	-	-	-	-	6,227	9,000	
			543A	East Bayfront Streetcar and Station Expansion	3,618	-	-	-	-	-	-	-	-	-	-	-	-	409,182	-	413,000	
					3,825	43	-	-	-	-	-	-	-	-	-	-	-	421,457	-	425,326	
					11	49	-	-	-	-	-	-	-	-	-	-	-	12,275	-	12,326	
			TBD	Purchase of 6 Additional LRT Cars - East Bayfront Streetcar Line	-	1,360	3,120	-	-	31,520	-	34,640	-	-	-	-	-	-	34,640	36,000	
					-	-	1,360	3,120	-	31,520	-	36,000	-	-	-	-	-	-	36,000	36,000	
					-	(1,360)	(1,760)	3,120	-	-	-	1,360	-	-	-	-	-	-	1,360	-	
			541X	West Don Lands Streetcars	3,633	2,112	-	-	-	-	-	-	-	-	-	-	-	-	-	5,745	
					2,633	2,612	500	-	-	-	-	500	-	-	-	-	-	-	500	5,745	
					(1,000)	500	500	-	-	-	-	500	-	-	-	-	-	-	500	-	
			TBD	Purchase 5 Additional LRT Cars - West Donlands Streetcar Line	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					-	-	1,133	2,600	26,267	-	-	30,000	-	-	-	-	-	-	30,000	30,000	
					-	-	1,133	2,600	26,267	-	-	30,000	-	-	-	-	-	-	30,000	30,000	
			TBD	Purchase of 4 Additional LRT Cars -Bremner Blvd Streetcar Line	-	906	2,080	-	-	-	21,014	23,094	-	-	-	-	-	-	23,094	24,000	
					-	-	906	2,080	-	-	21,014	24,000	-	-	-	-	-	-	24,000	24,000	
					-	(906)	(1,174)	2,080	-	-	-	906	-	-	-	-	-	-	906	-	
			TBD	Port Lands Streetcar Expansion	-	-	-	-	-	-	-	-	-	-	-	-	-	188,145	-	188,145	
					-	-	-	-	-	-	-	-	-	-	-	-	-	193,789	-	193,789	
					-	-	-	-	-	-	-	-	-	-	-	-	-	5,644	-	5,644	
				Total Waterfront Initiatives	108,230	25,616	22,593	-	-	31,520	21,014	75,087	-	-	-	-	-	597,327	75,087	698,340	
					110,214	23,796	22,969	13,200	26,267	31,520	21,014	114,950	-	-	-	-	-	615,246	114,950	853,310	
					1,984	(1,796)	(474)	13,200	26,267	-	-	39,993	-	-	-	-	-	17,919	39,993	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	2031
Trains Required																					
Short Turn - (Glencairn AM ONLY)					2																
Forecast Growth (ATC Required)						~~5~~	~~1~~		7	1	1		1		1	1	1		1		1
Spadina Ext/Short Turn at Wilson				2		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
Trains Available																					
H5 (Retirements)		(14)	(8)																		
T1 (Transfer to Line 1)	(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
Contingency	7	8	7	5	20	13	13	13	6	5	4	4	3	3	2	1	0	0	(1)	(1)	(2)

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				~~1~~	~~1~~		~~1~~	~~1~~	~~1~~		~~1~~	4	1	1	1		1
Line 2 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 1)	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	Deployment by Location			
NEW STREETCAR											Les	Ron	Rus	Total
510 Spadina	8	4				1					13	0	0	13
511 Bathurst		10									10	0	0	10
509 Harbourfront		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	16	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 Streetcar Total Service	8	29	58	90	124	157	173	173	173	173	96	39	38	173
New Streetcar Maintenance Spares	*1*	*7*	*13*	*20*	*26*	*33*	*36*	*36*	*36*	*36*	*20*	*8*	*8*	*36*
New Streetcar Required	9	36	71	110	150	190	209	209	209	209	116	47	46	209
New Streetcar Procurement	9	27	35	39	40	40	14							
New Streetcar Available	9	36	71	110	150	190	204	204	204	204	113	48	45	204
New Streetcar 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	6	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	26								
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																							
RETIRED FLEETS	1195	110	118	242	233	213	111	68	58	42													
ORION V LE DSL (1996/97)	185			99	49								185										
NOVA RTS LE DSL (1998)	52					50	2							52									
FLYER LF DSL (1999)	51						30	21		1						50							
ORION VII LF DSL		100	120	262						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											150				1	149							
ORION VII LF HYB NG						224	190	130		1	2			1	151	240	120	29			110	280	151
ORION VII LF HYB NG											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	101	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 Construction Needs									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 Initiatives													0	0	42	44	70	97	124	124	124	124	124
Operating Maintenance Spares (18% from 2016)									180	179	185	188	194	263	296	304	311	318	325	300	295	296	299
Capital Spares (Rebuild/Warranty/Retrofit/Programs)									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

Procurement
Mech/Body Overhaul
Mech Overhaul
Body Overhaul
Hybrid Overhaul
Retirement
Advanced Retirement

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

$ millions	2014	2015	2016	2017	2018	2019	2015-2019	2020	2021	2022	2023	2024		2015-2024
PROPOSED BUDGET													GROSS EXPENDITURES	
Council Approved 2014-2023 Gross Budget - Jan 30/14	1,282	1,093	878	868	682	591	4,111	352	310	328	307	0		5,409
2015-2024 Gross Budget - Proposed - Feb 2/15	1,027	1,149	1,203	1,107	1,072	1,006	5,537	941	692	822	639	636		9,268
CHANGE FROM APPROVED	(255)	56	326	239	390	415	1,426	589	382	494	332	636		3,860
PROPOSED CURRENT BUDGET REQUEST														
State-of-Good-Repair / Safety	949	1,053	1,070	968	903	858	4,852	809	612	754	584	588		8,199
Legislative	43	45	76	83	91	76	371	64	57	58	52	44		647
Improvement	22	32	42	12	24	25	135	27	23	10	3	4		202
Expansion	14	19	16	44	54	47	179	41	0	0	0	0		220
Vehicles	412	510	392	372	323	314	1,912	408	279	471	309	312		3,692
Infrastructure / Other	615	639	811	735	749	691	3,625	533	413	351	330	324		5,576
Total Gross - Base Capital Program Request	1,027	1,149	1,203	1,107	1,072	1,006	5,537	941	692	822	639	636		9,268
Proposed Capital Program Budget	**1,027**	**1,149**	**1,203**	**1,107**	**1,072**	**1,006**	**5,537**	**941**	**692**	**822**	**639**	**636**		**9,268**
Funding Sources													FUNDING SOURCES	
Provincial gas tax	72	71	71	71	71	71	356	71	71	71	71	71		712
Canada Strategic Infrastructure Fund (CSIF)	15						0							
Canada Strategic Infrastructure Fund (CSIF) - Interest			16				16							16
Capital Reserve			58				58							58
Metrolinx Quick Wins	77													
204 LRV Funding	58	26	41	44	44	44	199	10						209
Total Provincial Funding	**223**	**97**	**186**	**115**	**115**	**115**	**629**	**81**	**71**	**71**	**71**	**71**		**995**
Base Federal Gas Tax - 5 cent (population)	152	152	160	160	167	167	807	167	167	167	167	167		1,644
Canada Strategic Infrastructure Fund (CSIF)	7													
Total Federal Funding	**159**	**152**	**160**	**160**	**167**	**167**	**807**	**167**	**167**	**167**	**167**	**167**		**1,644**
TTC internal (depreciation)	42	34	33	30	25	27	148	23	27	29	28	22		277
Other Reserves / Funding Partners	13	2	2	2	2	2	9	2	2	2	2	2		18
Development charges	2	30	74	62	67	61	294	64	63	17	23	33		494
Total Other Funding	**56**	**66**	**109**	**93**	**94**	**89**	**451**	**89**	**92**	**48**	**52**	**56**		**789**
City Debt Target - CFO Recommended	309	454	321	373	256	152	1,556	25	30	24	59	152		1,845
City Carryforward - Deferred Debt Issued	284	242					242							242
Additional City Funding above Debt Target (to be approved by Council)		(175)	175	158	248	230	636	115	(13)	(23)	(57)	(150)		508
City Funding - Reserve Funds (Asset Monetization)	252	228	195	165	114	116	817	60						877
City Operating CFC		14	5				19							19
Total City / Other Funding	**901**	**828**	**805**	**789**	**711**	**587**	**3,720**	**289**	**109**	**49**	**54**	**58**		**4,281**
Total Funding	**1,283**	**1,077**	**1,150**	**1,064**	**994**	**870**	**5,156**	**538**	**348**	**288**	**293**	**297**		**6,919**
Funding Shortfall/(Surplus)	**(256)**	**71**	**53**	**43**	**78**	**136**	**382**	**404**	**344**	**535**	**346**	**339**		**2,350**
							382							**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.