



SUBJECT: Financial Overview of the 2017 Proposed Capital Budget and Forecast

TO: Community and Corporate Services Committee - Budget

FROM: Finance Department

Report Number: F-44-16

Wards Affected: All

File Numbers: 435-01

Date to Committee: November 21, 2016

Date to Council: November 28, 2016

Recommendation:

Receive the proposed 2017-2026 capital budget and forecast book; and

Direct staff to present the recommendations in Appendix A to the Community and Corporate Services Committee meeting on December 8, 2016 for review and approval of the capital budget taking into consideration committee amendments; and

Authorize the Mayor and City Clerk to execute the Contribution Agreements and any other related documents following approval of projects and subject to review by the City Solicitor under the grant programs.

Purpose:

- Good Governance

This report provides an overview of the proposed 2017-2026 capital budget and forecast.

Background and Discussion:

Council approved Burlington's Strategic Plan 2015-2040 in April 2016 (Report CM-01-16). The strategic plan includes four strategic directions:

- A City that Grows

- A City that Moves
- A Healthy and Greener City
- An Engaging City

Strategic Plan

The city's new strategic plan clearly sets forth initiatives to plan for the future. It is staff's responsibility to resource, administer and deliver strategies and initiatives laid out in the plan. This year the new Strategic Plan became the driving force in the 2017 budget process.

In order to ensure that resources and funding are aligned with the Strategic Plan a new approach to business planning and budgeting has been implemented. During the 2017 Budget, decisions about resources and pacing of implementation were discussed by the Capital Budget Leadership Team that supports the Strategic Plan.

Establishing priorities for new City investment was a key step in developing the budget this year. Linking the strategic plan to the budget provides accountability between what is achieved and the cost to the tax payer. This process provides a clear link between the strategy and the cost of implementing the initiatives.

The budget is one mechanism that brings the plan to life through specific project initiatives as noted later in this report. In addition, the 2017 capital budget submission continues to adhere to the guiding principles and directions of the reports below:

Report F-14-16: 2017 Budget Framework
Report CW-09-15: Flood Vulnerability, Prioritization and Mitigation Study
Report CW-20-15: Asset Management Plan Update
Report F-15-15: BMA Financial Condition Assessment
Report F-08-15: 20 Year Simulation
Report F-39-13: Asset Management Financing Plan
Report F-22-12: Long Term Financial Plan

2017 Proposed Capital Budget

The 2017 proposed capital budget is approximately \$56.0 million, with a ten year program of \$667.8 million. The capital budget presentation has a strong focus on infrastructure renewal projects reflective of the city's commitment to the asset management plan and the Strategic Plan initiative (4.1.e) stating the city's infrastructure such as roads and buildings, are in good condition and properly maintained.

The city is making progress on its infrastructure renewal needs as Council continues to provide *Predictable Infrastructure Investment*, in the form of:

- an annual dedicated infrastructure levy of 1.25% (\$1.83M); and
- continued incremental funding for the remaining 3 years of the 4 year program (2016-2019) for road infrastructure renewal (\$5M per year); and
- continued funding for storm water infrastructure improvements as previously recommended in the AMEC study. (\$12.6M)

As presented in previous years, this budget differentiates projects into the following three areas:

- **Infrastructure renewal projects:** repair, refurbishment or replacement of an existing asset to extend its useful life in accordance with the asset management plan
- **Growth projects:** capital required to service growth within the city
- **New/enhanced projects:** increases to current service levels beyond what the city currently provides, not a result of growth

The budget is broken down by asset category with each project identified by one of the areas defined above. The ten year capital program of \$667.8 million is 79.9% infrastructure renewal projects, 13.9% growth related projects with 6.2% for new/enhanced projects.

Any new/enhanced projects over \$50,000 in the budget year 2017 are supported by a new capital initiatives form. There are 10 new capital initiatives with 2017 project costing of \$4.0 million (net city \$2.1 million).

Financial Summary

The proposed 2017-2026 capital budget and forecast project listing is provided under separate cover for Committee's review and approval. The 2017 new capital initiatives are included within the document under a separate tab.

The Capital Budget Submission:

- Underwent extensive review by asset category teams and a line-by-line review by the Asset Lead Review Committee along with a full review from the Capital Budget Leadership Team.
- Presents a balance between identified needs, council directions, available financing and capacity to deliver the program.
- Reflects project costs in 2017 dollars.
- Includes a minimum 15% contingency for non-routine projects, 2% allowance for project management costs.

- Reflects updated operating budget impacts for ten years for projects in excess of \$1 million and for at least four years for all other projects as required.
- Is aligned with the 2014 Development Charges Study.

The 10-year program for 2017-2026 is \$667.8 million. This is approximately \$46.4 million higher when compared to the 2016 approved capital budget (\$621.4M). The increase reflects the significant investment approved by council for infrastructure improvements for the asset management plan as well as proposed funding for future initiatives including funding for the LED streetlight project.

Table A below provides the breakdown for each asset type. Infrastructure renewal represents the largest category at 79.9%.

Table A: 10-year capital budget by category

Project Type	Infrastructure Renewal	Growth	New/ Enhanced
Roadways	\$239,251	\$50,975	\$15,435
Storm Water Management	\$30,700	\$25,091	-
Facilities & Buildings	\$112,113	-	-
Parks & Open Space	\$47,220	\$15,102	\$4,278
Parking	\$1,210	-	\$18,500
Fleet Vehicles	\$67,741	\$1,629	\$1,071
Information Technology	\$24,316	-	\$1,856
Local Boards	\$10,712	\$351	\$251
Total	\$533,262	\$93,147	\$41,391

**All values in thousands ('000)*

79.9%

13.9%

6.2%

The capital budget uses a variety of sources for funding the program. Tax supported funding (cash and debt funding from the operating budget) continues to be the largest component accounting for roughly half (53%) of the overall funding envelope. The budget continues to rely on the cash flow from development charge revenue to fund growth projects (6%) and the hydro reserve fund (3%) to fund infrastructure needs, park dedication reserve fund (4%) for parks & recreation programs and some utilization of the new information technology renewal reserve fund.

Debt

The proposed capital budget and forecast reflects *Responsible Debt Management* as the budget adheres to the city's debt policy limits while using debt in the most effective manner as per the city's long term financial plan. The city's debt policy limits the total debt charges and liabilities as a percentage of revenues to 12.5% (provincial legislated limit is 25%).

The overall debt capacity is projected to reach the city policy limit of 12.5% in 2017 and 2018 reducing thereafter. This projection includes additional debt proposed to finance the LED Street Light Conversion Program (\$5.6M) presented in this budget. Staff continues to monitor the debt capacity.

Development Charges

Strategic initiative 4.1.f states:

"New infrastructure needed to support growth is paid for by new development"

The proposed 2017 capital budget and forecast includes development charge funding of approximately 6% which is slightly lower than the 2016 budget where development charges represented 8% of the overall funding envelope. The proposed 2017 capital budget and forecast conforms to the policy that ensures that spending in any year does not exceed the uncommitted balance in the reserve fund at the end of the preceding year.

Senior Government Funding Programs

Recently, the city submitted applications to two senior government grants. Both programs required that submitted projects be incremental (advanced timing or not included) to the capital budget. At the time of writing of this report the city has not yet received the results of our applications.

Public Transit Infrastructure Fund (PTIF)

On August 23, 2016, the Federal and Provincial Governments announced a bilateral agreement that will provide more than \$2.97 billion in combined funding from the Government of Canada, Province of Ontario and municipalities for projects that will maintain and expand Ontario's transit systems.

The senior government funding will provide up to 50% of total eligible project costs incurred up to March 31, 2018. The total amount of funding was based mainly on ridership with Burlington's allocation amounting to \$3,413,960. This means that projects totaling \$6,827,920 for Burlington may be eligible.

Eligible capital investment categories included:

- rehabilitation, optimization and modernization of public transit infrastructure
- improve the efficiency, accessibility and/or safety of public transit infrastructure
- expenditures to support the asset management capacity of a public transit system
- expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures, studies and pilot projects related to innovative and transformative technologies
- projects for system expansion, which may include active transportation.

The City Manager and Directors developed a list of eligible projects for inclusion in the application to PTIF and submitted an application on October 18, 2016.

Provincial gas tax funding is eligible for the city's 50% share of transit projects. For active transportation projects that may be approved, the city's share would be funded from capital reserve funds.

Refer to Appendix B for a listing of projects submitted.

Clean Water and Wastewater Fund (CWWF)

The 2016 Federal Budget announced the establishment of a Clean Water and Wastewater Fund to invest up to \$569.6 million in the Province of Ontario for immediate improvements to water distribution and treatment infrastructure.

Under this program the City of Burlington is eligible to receive federal funding of \$1,532,035 (50% of eligible costs) and provincial funding of \$766,018 (25% of eligible costs) towards stormwater infrastructure. This means that projects totaling \$3,064,070 for Burlington may be eligible. All projects must be completed prior to March 31, 2018. The City of Burlington submitted an application for eligible projects on October 31, 2016. The city's share of 25% of eligible costs for these projects will be funded from capital reserve funds.

Refer to Appendix B for a listing of projects submitted.

Proposed Projects Aligned to the Strategic Plan

The following areas present highlights of notable items as part of the 2017 capital budget and forecast which are aligned to the city's new Strategic Plan.

A CITY THAT GROWS

Project	Alignment
Elgin Street Promenade Construction (RD-SW-1756)	This project is included in the Core Commitment Implementation Strategy to improve active transportation in the downtown and enhance pedestrian and cycling connections.

A CITY THAT MOVES

Project	Alignment
Integrated Transit / Mobility / Active Transportation Plan (RD-SW-1780)	This project will support Burlington Transit and Transportation staff working with neighbouring jurisdictions to promote seamless transportation service delivery in, around and out of Burlington.
Active Transportation Initiatives and Infrastructure (RD-SW-265)	This project addresses the need and justification for new active transportation facilities, minor improvements to existing infrastructure and city-led initiatives to realize the intent of the cycling master plan and helps to support the complete streets vision.

A HEALTHY AND GREENER CITY

Project	Alignment
LED Street Light Conversion Program (RD-ST-1763)	This project will reduce energy consumption and reduce the city's climate change impacts.
Community Garden (PO-PD-1562)	This project will increase the availability of community garden plots so that residents may grow their own fresh and healthy food.
Electric Vehicle Charging Stations	This project will assist with greening of the city's fleet by

(VE-VN-1775)	reducing greenhouse gas emissions for city operations.
Walkers Line and Number 2 Sideroad Improvements (RD-RA-1453)	The improvements at this intersection will support increased usability and safer access to the Bruce Trail.
New Vehicles and Equipment for Tree Service Enhancements (VE-VN-1777)	These new vehicles and equipment will support the management of the city's urban forest and tree canopy.
Stormwater Management Renewal (Various)	Continued funding is provided for storm water infrastructure improvements as previously recommended in the AMEC study. These projects ensure the rehabilitation and preservation of the city's creeks and streams.
Cumberland Ave Pedestrian – Railway Underpass (RD-RA-681)	This expansion to the city's trail system links to the city's park network, neighbourhoods and other forms of transportation. A number of new multi-use pathways and safe pedestrian / cycling linkages are proposed in the capital budget.
Multi-use Path - Hydro Corridor – Cumberland (PO-PD-1647)	
Multi-use Pathway - Alton Village (PO-PD-1648)	
Multi-use Pathway - Sheldon Creek (PO-PD-1733)	

AN ENGAGING CITY

Project	Alignment
Infrastructure Renewal Projects (Various)	79.9% of projects in the 10 year capital program support the renewal of the city's existing infrastructure. This aligns with the city's Asset Management Plan and ensures that infrastructure is in good condition and properly maintained.

Growth Related Projects (Various)	\$93.2 million of growth related projects have been included in the 10 year capital program. Cost recoveries from the Region and developers account for \$30.5M. Of the remaining \$62.6M of costs, \$47.6M are funded from development charges and park dedication.
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FUTURE MAJOR CAPITAL INITIATIVES

Skyway Arena Revitalization (FB-AA-1134)

The Capital Budget and Forecast includes an investment in the revitalization of Skyway Arena. This revitalization could include a larger ice surface, accessibility upgrades, and community space. Central Arena revitalization is forecasted outside the 10 year forecast for the following reasons:

- There is insufficient funding in the 10 year capital program to accommodate the revitalization of both Skyway and Central.
- The revitalization of Skyway is a priority due to the current state of the facility, aging mechanical systems and lack of amenities.
- Central has had numerous upgrades and the facility is in good condition. The facility will also be undergoing accessibility improvements through a Canada 150 funding grant in 2017.
- There is sufficient funding in previously approved capital accounts to accommodate minor improvements at Central Arena including the replacement of bleachers and upgrades to the multi-purpose space.
- Based on the current condition of Central Arena and recent renewal initiatives, staff are confident that delaying a major revitalization of this facility until after 2026 will not impact its operations, safety or programming.

Sherwood Forest Park Revitalization (FB-CC-1135 and PO-PD-1593)

The capital budget and forecast includes funding for the phased revitalization of Sherwood Forest Park and associated buildings. This is in alignment with the Sherwood Forest Park Revitalization Plan (Report CW-10-16) with the exception of timing for phase 4 implementation which is for the renewal of the west side of the park including the reconstruction of the Sherwood Community Centre to 2022.

LED Street Light Conversion Program (RD-ST-1763)

The Capital Budget and Forecast includes a project to convert the city's high pressure sodium (HPS) streetlight fixtures to light emitting diode (LED) technology. A number of other municipalities are undertaking this initiative. Highlights of this project include:

- LED technology provides environmental benefits. Assuming an energy savings of 55%, greenhouse gas emissions would be reduced by an estimated 424 tonnes, the equivalent of taking approximately 89 cars off of the road. This supports the city in achieving the strategic objective of a healthier environment and shows environmental and energy leadership.
- This initiative is aligned to the Environment and Energy Leadership Strategic Plan goal (3.2) focused on making the city operations net carbon neutral.
- The total project cost for the conversion is \$6.5 million. Based on the inventory estimates, the city is eligible for the Independent Electricity System Operator (IESO) rebate of approximately \$890,000, for a net project cost of \$5.6 million.
- Converting HPS fixtures to LED fixtures can result in energy savings of up to 60% and significant fixture-related maintenance costs.
- Based on preliminary assumptions including the estimated cost of the conversion, debt financing and energy rate changes, the estimated annual energy and maintenance savings to be achieved at full conversion is about \$900,000. This results in a projected net present value discounted payback of 9.1 years (simple payback is 7.5 years).
- The operational savings from this program will be redirected over time towards the repayment of the debt charges and future asset management needs of the streetlight infrastructure.

Customer Relationship Management (IT-CA-1020)

The budget submission includes the funding of the purchase of a Customer Relationship Management / Knowledge Base System (CRM/KB) that will build services for the community, focusing on the needs of our customers. This system will allow our customers to engage with the city and have access to information and services through the channel of their choice; phone, social media, city's website or email. Creating an integrated service delivery model available through multiple channels is only possible through the acquisition and implementation of such a system. Staff plan to consolidate service inquiries and requests and transform Service Burlington into a centralized customer contact centre.

This involves a large initial capital investment in software, training and configuration. The proposed budget includes an additional \$1.4M (\$560,000 prior approved) for the purchase of the customer relationship management and knowledge base system in 2017. With budget approval, staff plans to issue the RFP for the purchase of the software in 2017, with implementation in Service Burlington in 2017 and the rest of the organization in 2018. A business case for project staff will be submitted in the 2018 budget submission. A separate report on the project is scheduled for December 12, 2016.

Capital Prioritization Matrix

In January 2017, staff will conduct a workshop to discuss the evaluation of new capital projects or underfunded capital initiatives that may be eligible for senior government funding programs. The purpose of the workshop will be for Council to be in a better position to understand and communicate capital spending priorities and for staff to be able to react more readily when details of new programs are announced to ensure there are no missed funding opportunities. A capital project evaluation matrix will be brought forward in addition to a list of infrastructure projects.

Underfunded Capital Needs

- **Enterprise Systems - Replacement (IT-CA-1507)**

The project focuses on the second phase recommendations identified in the ERP Strategic Review (IT 01-13). This involves the development of an RFP to acquire and implement a consolidated ERP solution to support both HR and Financial functions. This work is anticipated to start in 2018. Total project cost ranges from \$9M to \$13M with \$7.4M accommodated within this capital budget resulting in a potential shortfall of \$1.4M to \$5.6M.

- **Community Trails Strategy**

The Community Trails strategy (November 2015) identified \$16.5M of recommendations to improve the city's trail network. The 10 year forecast includes funding of \$7.1M for these initiatives resulting in a potential shortfall of \$9.4M.

Discussion:

BUDGET PROCESS

The 2017 budget development process followed similar timelines to last year with Council approval scheduled for December 19, 2016. This allows earlier tendering in order to capture favourable pricing and the timely and efficient delivery of capital projects.

The budget process continues to incorporate changes which include:

- Cross functional teams of asset leads to conduct in depth panel reviews of the capital budget
- Capital Budget Leadership Team replaced Executive Committee. The Capital Budget Leadership Team is comprised of the City Manager, Executive Director of Capital Works, Director of Finance, Director of Information Technology Services (rotating member) and the Director of Parks and Recreation (rotating member)
- Review of existing open capital orders and proposed capital budget
- Enhanced communication with city staff and local boards

COUNCIL INFORMATION SESSION

As in prior years, the budget review process includes an information session to provide Council with the opportunity to ask questions on the proposed capital budget.

The budget information session for members of Council will be held on November 24, 2016, in Room 247, from 1:00p.m. - 4:00p.m. Capital budget asset categories will be scheduled in the time slots noted below:

November 24, 2016	Asset Category
1:00 p.m. – 2:00 p.m.	Roadways Storm Water Management Fleet Vehicles, Accessories & Equipment
2:00 p.m. – 2:45 p.m.	Facilities & Buildings Local Boards
3:00 p.m. – 4:00 p.m.	Parks & Open Space Parking Information Technology

Capital Budget Review Form

The capital budget review form will be provided to all members of council in an electronic format. Staff propose that each Council member use this form to highlight proposed amendments to the capital budget. The consolidated listing of the budget review forms will assist in budget review at the Community and Corporate Services budget meeting on December 8, 2016. Please return your completed form to the Director of Finance by November 29th, 2016 to allow time for consolidating the information and distributing the summary before the committee review date.

Financial Matters:

The 2017 capital budget is \$56.0 million, with a ten year program of \$667.8 million. There are a number of capital projects included in the 10 year forecast to support the city's new Strategic Plan.

The capital program focuses on the city's infrastructure requirements to address the much needed renewal of our aging infrastructure. The budget reflects incremental tax supported funding from the operating budget to support infrastructure requirements of the city while maintaining the long term financial objective of *Competitive Property Taxes* with base budget tax increases aligned with inflation.

The funding increase to the capital program for 2017 is:

- 1.25% (\$1.83M) dedicated to infrastructure renewal from 2015-2022
 - 0.12% (\$175,000) increase to debt charges to fund the \$5.6M of debt approved for LED Street Light Conversion Program
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Public Engagement Matters:

Staff will continue to use the city's website as a communication medium through videos, webcast and online surveys.

The City is continuously looking for ways to improve and increase transparency for the public. A revised version of Burlington Open Budget, on the city's website, will be available to the public to allow residents to view the city's 2017 budget data in an intuitive and illustrative form. Early public engagement in the form of online surveys during the summer / early fall were provided to the public. A report on the results of this community engagement is provided on the December agenda.

To provide the opportunity to inform the public, the public budget meeting regarding the proposed 2017 budget will be held December 7, 2016 from 7:00 – 9:00 pm at the Haber Recreation Centre.

2017 Budget Timelines:

November 21, 2016	Proposed 2017 Capital Budget overview at Community & Corporate Services Committee (C&CS)
November 24, 2016	Capital Budget – Council Information Session (1pm – 4pm)
November 29, 2016	Capital budget review forms due
December 7, 2016	Budget Information Public Meeting Haber Recreation Centre (7:00 – 9:00 pm)
December 8, 2016	Capital Budget Review and Approval and 2017 Proposed Operating Budget overview at C&CS Committee
December 15 , 2016	Operating Budget – Council Information Session (1pm – 4pm)
December 19 , 2016	Council Approval of the Capital Budget
December 21, 2016	Operating budget review forms due
January 19, 2017	Operating Budget Review and Approval at C&CS Committee
January 23, 2017	Council Approval of the Operating Budget

Conclusion:

The proposed 2017-2026 capital budget and forecast presents a balanced program aimed to deliver on the Strategic Plan and the city's commitment to the asset management plan.

Respectfully submitted,

Lori Jivan

Coordinator of Budgets and Policies

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Appendices:

- a. 2017 Capital Budget Recommendations
- b. Senior Government Grant Project Submissions

Report Approval:

All reports are reviewed and/or approved by Department Director, Director of Finance and Director of Legal. Final approval is by the City Manager.

Appendix A: 2017 Capital Budget Recommendations

Approve the 2017 capital budget for the City of Burlington, with a gross amount of \$56,045,434 and a debenture requirement of \$9,720,000, and the 2018-2026 capital forecast with a gross amount of \$611,754,174 and a debenture requirement of \$65,235,078 as outlined in report F-44-16 and as amended by the Community and Corporate Services Committee - Budget; and

Administer the debenture in the amount of \$9,720,000 in 2017 as tax supported debt; and

Authorize staff to proceed with the 2017 capital projects representing not more than 50% of the 2017 capital from current funding in advance of the 2017 operating budget approval; and

Declare that, in accordance with sis. 5(1)5 of the *Development Charges Act, 1997* and s. 5 of Ontario Regulation 82/98, it is Council's clear intention that the excess capacity provided by the above-referenced works will be paid for by future development charges.

Appendix B: Senior Government Grant Project Submissions

Public Transit Infrastructure Fund (PTIF)

The following projects were included in the application for PTIF funding which was submitted on October 18, 2016.

Project Title	Project Description	Total Project Cost (2016-17 to 2017-18)	Program Contribution (Eligible Expenditures)	Provincial Contribution (Eligible Expenditures)	Municipal Contribution (Eligible Expenditures)
Purchase New Two Way Radio Command Console	Purchase of new two way radio command console to improve dispatching buses and increase communication with drivers on routes in both conventional and specialized transit.	\$ 115,000	\$ 57,500	\$ 57,500	
Purchase Handivan Expansion Fleet (2 new buses)	Purchase of 2 (two) para transit vehicles for use in transporting those with mobility issues. This purchase will enhance the capacity of service offered to our para transit customers.	\$ 401,400	\$ 200,700	\$ 200,700	
Purchase Conventional Expansion Fleet (3 new buses)	Purchase of 3 (three) conventional transit vehicles for use in conventional public transit in Burlington. This purchase will increase the capacity of our fleet and enable future schedule enhancements.	\$ 1,539,600	\$ 769,800	\$ 769,800	
New Transit Workforce Management System Module	Our current smart transit system has a module available that would automate many manual operator and administrative related to time management. This will improve our smart transit system to automate time management functions. This will allow for enhanced schedule and route efficiency.	\$ 225,000	\$ 112,500	\$ 112,500	
Consulting for Transit Master Plan / Mobility Plan / Cycling Plan	The City is proposing to complete a detailed Transit Master Plan in 2017 to look at increasing coverage, frequency and operating hours for Burlington Transit as well as integrating cycling and active transportation with public transit. The funding would be used to retain a consultant to assist with the plan development.	\$ 350,000	\$ 175,000	\$ 175,000	

Project Title	Project Description	Total Project Cost (2016-17 to 2017-18)	Program Contribution (Eligible Expenditures)	Provincial Contribution (Eligible Expenditures)	Municipal Contribution (Eligible Expenditures)
Purchase Building Automation System Upgrade	BAS (Building Automation System) is the City's remote environmental system that controls the Heating and Air Conditioning for the facility spaces. This upgrade will improve the environmental conditions at the Transit facility and save on heating and cooling utility costs as well as reduce the environmental impact. The scope would include the installation of new control modules and sensors for the existing heating and air conditioning equipment.	\$ 70,000	\$ 35,000	\$ 35,000	
Purchase Bus Bays Lighting to LED	Currently the existing facility is utilizing T-12, T-8 and T-5 florescent light fixtures. The installation of LED lighting would provide a higher quality of light and provide less maintenance and operating costs for the facility and reduced environmental impact.	\$ 125,000	\$ 62,500	\$ 62,500	
Project to remove Asbestos Abatement	The Transit HQ facility currently has asbestos containing materials within the facility. The existing asbestos represents a potential health and safety risk for staff and the public. The scope of work includes remove and dispose of the existing asbestos containing rain water pipe material and replace with new piping throughout the 67,500 SQFT facility.	\$ 335,000	\$ 167,500	\$ 167,500	
Elgin Promenade - Phase 2	Downtown Burlington is identified as a Metrolinx Mobility Hub. The Elgin Promenade project will provide a safe, accessible connection from the east and west sides of the Downtown for Pedestrians and Cyclists to connect to the Downtown John Street Bus Terminal. This project will provide a direct, convenient and safe link for pedestrians and cyclists to cross the downtown and link with public transit. The first phase of this active transportation project is proceeding in 2017.	\$ 450,000	\$ 225,000		\$ 225,000
Elgin Promenade - Phase 3	This phase cannot be undertaken until phase two is completed in 2017.	\$ 876,920	\$ 438,460		\$ 438,460

Project Title	Project Description	Total Project Cost (2016-17 to 2017-18)	Program Contribution (Eligible Expenditures)	Provincial Contribution (Eligible Expenditures)	Municipal Contribution (Eligible Expenditures)
John Lucas Drive and Sutton Drive (Employment Area Multi Use Paths)	Construction of a concrete sidewalk on John Lucas Drive from North Service Road to Sutton Drive and on Sutton Drive from John Lucas Drive to Mainway. This will help facilitate public transit in the prosperity corridor by providing safe curbside access for the public and enable bus stops and shelters to be safely accessed.	\$ 480,000	\$ 240,000		\$ 240,000
South Service Road (Employment Area Multi Use Paths)	Construction of a concrete sidewalk on the South Service Road in Burlington to provide sidewalks in the employment areas. This will help facilitate public transit in the prosperity corridor by providing safe curbside access for the public to enable transit expansion.	\$ 850,000	\$ 425,000		\$ 425,000
Additional Wayfinding Signage	Increased electronic signage installed at key transit locations indicating the times when the next buses enhancing service for our customers.	\$ 100,000	\$ 50,000		\$ 50,000
Downtown Terminal Shelter Upgrade	Upgrades to our downtown terminal hub including improvements to bus shelters, benches and facilities for those using public transit.	\$ 225,000	\$ 112,500		\$ 112,500
BRT Study - Plains / Fairview Corridor	This detailed study would examine the feasibility of operating a BRT system through the high traffic area known as the Plains / Fairview corridor.	\$ 150,000	\$ 75,000	\$ 75,000	
Multi-Use Paths - Hydro Corridor	Paving of the existing gravel multi-use pathway as identified in the Council approved Cycling Master Plan will enable more active transportation in the city and enhance connections to existing Transit routes.	\$ 535,000	\$ 267,500		\$ 267,500
		\$6,827,920	\$ 3,413,960	\$ 1,655,500	\$ 1,758,460

Clean Water and Wastewater Fund (CWWF)

The following projects were included in the application for CWWF funding which was submitted on October 31, 2016.

Project Title	Project Description	Total Project Cost	Program Contribution (Eligible Expenditures)	Provincial Contribution (Eligible Expenditures)	Municipal Contribution (Eligible Expenditures)
Stormwater Quality Control Improvement	Involves the construction/installation of storm water quality devices in recommended locations to be identified in the upcoming study.	\$ 340,000	\$ 170,000	\$ 85,000	\$ 85,000
Stormwater Management Pond Refurbishment	The City's Stormwater Management Pond Refurbishment program typically includes the dredging of accumulated sediments from SWM ponds. Repairs at 8 different pond locations have been identified. These works include repair of inlet/outlet pipes, pipe orifice plate repairs, replacement of armour stone and rip rap erosion controls, repairs of overflow wiers, replacement of Hickenbottom pipe. It also includes the dredging of Pond 25.	\$ 100,000	\$ 50,000	\$ 25,000	\$ 25,000
Appleby Creek Environmental Assessment and Detailed Design	Appleby Creek between Fairview Street and Pinedale Avenue experienced flooding during the August 4, 2014 event. Enhanced flood mitigation in the lower reaches of Appleby Creek watershed and a culvert upgrade at Pinedale Avenue is required. The first phase of this work is the initiation of a Municipal Class EA and Detailed Design.	\$ 250,000	\$ 100,000	\$ 50,000	\$ 50,000
Roseland Creek Erosion Protection	A Class EA was initiated in 2012 to address erosion concerns in Roseland Creek from Guelph Line to Upper Middle Road. Detailed Design is complete and Conservation Authority approval is expected in late 2016. The funding identified applies to Phase 2 of this project.	\$ 1,326,000	\$ 663,000	\$ 331,500	\$ 331,500

Project Title	Project Description	Total Project Cost	Program Contribution (Eligible Expenditures)	Provincial Contribution (Eligible Expenditures)	Municipal Contribution (Eligible Expenditures)
Plains Road Storm Sewer Replacement	This project is for the construction of a replacement storm sewer to drain the Plains Rd underpass at the CN Grade Separation. This sewer was designed to drain to the Upper Hager Creek located to the South but is currently failing and filling with sediment/draining to the existing sandy soil in the area. Originally planned to be constructed with the CN Bridge structure, this project would be able to be advanced and constructed as a stand alone project as the structure repair is outside of the 10 year Capital Forecast.	\$ 325,000	\$ 162,500	\$ 81,250	\$ 81,250
Rail Crossing Culvert Inspection, Design and Rehabilitation	The City has agreements in place that specify the location and municipal maintenance and capital responsibility for fourteen (14) storm sewer assets crossing under the CN tracks in the rail corridors. The crossings consist of corrugated steel, concrete pipes and concrete box culverts. In keeping with the City's asset management strategy for storm water conveyance, these structures will require detailed condition assessments with recommended actions, as well as design and rehabilitation to carry out the proposed works.	\$ 500,000	\$ 250,000	\$ 125,000	\$ 125,000
Plains Road Culvert Replacement	A series of CSP culverts along Plains Road West are clogged with debris and have reached the end of their useful lives. The culverts are located in the boulevard on the north side of the road, and drain into Grindstone Creek. This project will involve the removal and replacement of the culverts and any associated works required.	\$ 100,000	\$ 50,000	\$ 25,000	\$ 25,000
Woodward Avenue Storm Sewer Replacement	Localized storm sewer replacements along Woodward Ave and Castleguard Crescent. While originally scheduled outside of the 10 year Capital Forecast as this work would have been completed with the Region of Halton Sanitary and Watermain repairs, this work can proceed on its own as its localized in nature and will improve the overall capacity of the system until the entire system is due for replacement.	\$ 175,000	\$ 87,500	\$ 43,750	\$ 43,750
		\$ 3,116,000	\$ 1,533,000	\$ 766,500	\$ 766,500