



Greater Grand
Sudbury

Budget 15

Infrastructure Services

2015 Capital Budget

2016-2019

Capital Budget Outlook



CAPITAL BUDGET SUMMARY

Infrastructure Services

	Capital Envelope		Reserves		Capital		Reserves / Obligatory		Government		Financing		Third party		2015 Base Capital		2014 Capital		
	Envelope	Reserves	Reserves	Capital	Reserves	Obligatory	Funding / Obligatory	Reserves	Future Years	Recoveries	Base Capital	Budget	2014 Capital	Budget	Budget	Budget	Budget	Budget	
2015 APPROVED																			
Roads / Drainage	\$ 25,500,822	\$ -	\$ 1,873,250	\$ 3,750,000	\$ 9,965,966	\$ 1,873,250	\$ -	\$ 2,000,000	\$ 1,500,000	\$ 44,590,038	\$ -	\$ 38,251,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
LED Streetlight Conversion	\$ -	\$ 12,632,422	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -
Water	\$ 12,632,422	\$ -	\$ -	\$ 1,585,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,217,422	\$ -	\$ 17,292,422	\$ -	\$ -	\$ 14,217,422	\$ -	\$ -	\$ -	\$ -
Wastewater	\$ 10,772,735	\$ -	\$ -	\$ 400,000	\$ 1,960,000	\$ -	\$ -	\$ 2,900,000	\$ -	\$ 16,032,735	\$ -	\$ 15,722,106	\$ -	\$ -	\$ 16,032,735	\$ -	\$ -	\$ -	\$ -
Fleet	\$ -	\$ -	\$ -	\$ 2,669,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,669,000	\$ -	\$ 2,842,000	\$ -	\$ -	\$ 2,669,000	\$ -	\$ -	\$ -	\$ -
Transit	\$ 163,255	\$ -	\$ -	\$ 57,787	\$ 2,378,018	\$ -	\$ -	\$ -	\$ -	\$ 2,599,060	\$ -	\$ 1,003,481	\$ -	\$ -	\$ 2,599,060	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 49,069,234	\$ -	\$ 1,873,250	\$ 12,461,787	\$ 14,303,984	\$ 1,873,250	\$ -	\$ 4,900,000	\$ 1,500,000	\$ 84,108,255	\$ -	\$ 75,111,758	\$ -	\$ -	\$ 84,108,255	\$ -	\$ -	\$ -	\$ -



Roads / Drainage Summary

CATEGORY DESCRIPTION

(For detailed project listing see attached)

CATEGORY DESCRIPTION	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Roads					
Previous Council Approvals	\$ 800,000	\$ 1,355,000	\$ -	\$ -	\$ -
Arterials - New Construction/Widening/Intersection Improvements	\$ 8,884,697	\$ 8,484,697	\$ 9,284,697	\$ 8,284,697	\$ 8,284,697
Arterial - Collector Roads	\$ 10,855,000	\$ 10,625,000	\$ 11,475,000	\$ 13,150,000	\$ 12,140,000
Local Roads	\$ 5,775,000	\$ 5,475,000	\$ 4,535,000	\$ 5,175,000	\$ 5,175,000
Bridges/Culverts	\$ 4,245,000	\$ 4,075,000	\$ 4,910,000	\$ 4,000,000	\$ 5,000,000
Streetlighting	\$ 300,000	\$ 330,000	\$ 330,000	\$ 350,000	\$ 370,000
Traffic - New Lights	\$ 315,000	\$ 325,000	\$ 335,000	\$ 350,000	\$ 365,000
Sidewalk/Curb	\$ 760,000	\$ 775,000	\$ 790,000	\$ 810,000	\$ 830,000
Surface Treatment	\$ 1,155,000	\$ 1,000,000	\$ 1,025,000	\$ 1,050,000	\$ 1,075,000
Other Road Programs/Projects	\$ 5,372,741	\$ 4,289,374	\$ 4,411,797	\$ 4,452,478	\$ 4,918,715
Total Roads	\$ 38,462,438	\$ 36,734,071	\$ 37,096,494	\$ 37,622,175	\$ 38,158,412
Drainage					
Previous Council Approvals	\$ 500,000	\$ 150,000	\$ -	\$ -	\$ -
Municipal Drainage & Stormwater Management	\$ 5,627,600	\$ 2,372,300	\$ 2,567,700	\$ 2,614,100	\$ 2,661,300
Total Municipal Drainage & Stormwater Management	\$ 6,127,600	\$ 2,522,300	\$ 2,567,700	\$ 2,614,100	\$ 2,661,300
Capital Envelope Reduction	\$ -	\$ (2,250,539)	\$ (2,261,550)	\$ (2,272,781)	\$ (2,284,237)
PROJECT COSTS	\$ 44,590,038	\$ 37,005,832	\$ 37,402,644	\$ 37,963,494	\$ 38,535,475
PROJECT FINANCING					
Reserves: Capital	\$ (3,750,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)
Reserves: Obligatory	\$ (1,873,250)	\$ (850,000)	\$ (850,000)	\$ (850,000)	\$ (850,000)
Reserves: Obligatory - Federal Gas Tax	\$ (7,724,527)	\$ (7,724,527)	\$ (7,571,600)	\$ (7,571,600)	\$ (7,571,600)
Financing: Future Years	\$ (2,000,000)	\$ -	\$ -	\$ -	\$ -
Government Grants: Ontario Community Infrastructure Fund (OCIF)	\$ (2,241,439)	\$ (2,241,439)	\$ (2,241,439)	\$ (2,241,439)	\$ (2,241,439)
Third Party Recoveries	\$ (1,500,000)	\$ -	\$ -	\$ -	\$ -
CAPITAL ENVELOPE (Tax Levy)	\$ 25,500,822	\$ 26,039,866	\$ 26,589,605	\$ 27,150,455	\$ 27,722,436
LED Streetlight Conversions - Project Cost and Funding Source	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000

Note 1 - Funded from Capital Financing Reserve Fund - Roads

Priority Setting:

To determine projects in the first four (4) Product Categories (Major Roads, Minor Roads, New Roads, and Bridge Rehabilitation), an Overall Condition Index (OCI) criteria is utilized. The following criteria are used to develop the OCI:

- Condition Rating/Cost Benefit: Roads are physically examined for structural condition, ride smoothness, truck traffic, traffic volumes and drainage. A computerized Pavement Management System (Deighton), which generates recommended rehabilitation strategies and costs by road classification and at pre-established budget scenarios is one of the tools
- Safety: Are there any safety concerns that a project will solve.
- Associated with Water/Wastewater Projects: Where water/wastewater construction or rehabilitation is required, the road will be restored/upgraded if warranted.
- Economic Development Opportunity: Site specific in conjunction with proposed development (commercial and/or residential).
- Environment and Traffic Congestion Issues: It has been demonstrated that reducing bottlenecks and resulting idling can reduce carbon monoxide and carbon dioxide between 50% and 80%.



Roads Detail

PROJECT DESCRIPTION

PROJECT TYPE
R (Renewal)
E (Expansion)
N (New)

2015 APPROVED 2016 OUTLOOK 2017 OUTLOOK 2018 OUTLOOK 2019 OUTLOOK

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
PREVIOUS COUNCIL APPROVALS						
Second Avenue - Extend to First Avenue	E	\$ 800,000	\$ 855,000			
Flood Road from Kathleen Street to Schevchenko Avenue	R		\$ 500,000			
Flood Road from Schevchenko Avenue to Burton Avenue	R					
SUBTOTAL PREVIOUS COUNCIL APPROVALS		\$ 800,000	\$ 1,355,000	\$ -	\$ -	\$ -
Arterials - New Construction/Widening/Intersection Improvements						
Maley Drive (Contribution to Reserve Fund)	E	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697
Moonlight Avenue from Kingsway to Bancroft Drive	E	\$ 3,000,000				
Crean Hill Road from MR 4 to Victoria Mine (includes KGHM International Contribution)	E	\$ 2,600,000				
Elgin Greenway from Nelson Street to Cedar Street	E	\$ 1,000,000				
MR 35 from Notre Dame West to Highway 144 (2 Lanes)	E		\$ 6,200,000			
College Street Underpass	E			\$ 7,000,000		
Various Arterial Roads	E				\$ 3,000,000	
SUBTOTAL Arterials - New Construction/Widening/Intersection Improvements		\$ 8,884,697	\$ 8,484,697	\$ 9,284,697	\$ 8,284,697	\$ 6,000,000
Arterial - Collector Roads						
MR 15 from 1.6 km West of Martin Road to 4.6 km West of Martin Road	R	\$ 3,100,000				
Old Hwy 17 (MR 55) from Bridge at Eve Street to Gorman Avenue	R	\$ 2,550,000				
Old Hwy 17 (MR 55) from 1.4 km East of McCharles Lake Road to McCharles Lake Road	R	\$ 2,100,000				
MR 84 from Capreol Lake Road to Meehan Street	R	\$ 1,320,000				
Second Avenue (Coniston) Hwy 17 to Concession Street	R	\$ 885,000				
Mackenzie Street and College Street Drainage	R	\$ 500,000				
Skead Road (MR 86) from Nickel Rim Mine to Radar Road (Various Locations)	R	\$ 400,000				
Lorne Street from Martindale Road to Logan Avenue	R		\$ 3,400,000			
Skead Road (MR 86) from MR 89 to Old Skead Road North	R		\$ 2,750,000			
Long Lake Road from 0.65 km North of Sunnyside Road to Hwy 17	R		\$ 2,000,000			
Brady Street from Minto Street to Shaugnessy Street	R		\$ 500,000			
Elm Street from Flood Road to Elgin Street	R		\$ 275,000			
MR 84 from Capreol Lake Road to Suez Drive	R			\$ 2,275,000		
MR 15 from Belisle Drive to 2.2km West	R			\$ 1,750,000		
Old Hwy 17 (MR 55) from McCharles Lake Road to 1.75km West	R			\$ 1,390,000		
Beatty Street from Flood Road to Elm Street	R			\$ 1,170,000		
Walford Road from Regent Street to Paris Street	R			\$ 1,090,000		
Elm Street from Eihelbert Street to Big Nickel Mine Road	R			\$ 900,000		
Power Street from MR 55 to Collins Drive	R			\$ 525,000		
Marier Street from MR 35 to Notre Dame Street	R			\$ 360,000		
Kelly Lake Road from Copper Street to Sudbury Wastewater Treatment Plant	R			\$ 275,000		
Kingsway from Barry Downe Road to Falconbridge Highway	R				\$ 1,950,000	
Dominion Drive from Elmview Drive to MR 80	R				\$ 1,470,000	
Bancroft Drive from Bellevue Avenue to First Avenue	R				\$ 1,240,000	
Auger Avenue from Hawthorne Drive to Falconbridge Highway	R				\$ 860,000	
York Street from Regent Street to Paris Street	R				\$ 830,000	
Main Street East from MR 15 to Railway Tracks	R				\$ 650,000	
Brookside Road from Errington Avenue to St. Onge Street	R				\$ 455,000	
Dell Street from Morin Avenue to Snowden Avenue	R				\$ 410,000	
Melvin Avenue from Kathleen Street to Mabel Street	R				\$ 380,000	
MR24 from Caverzan Drive to CPR Tracks	R					\$ 200,000
MR15 from 4.6km west of Martin Road to 7.6km west of Martin Road	R					\$ 3,100,000



Roads Detail

PROJECT DESCRIPTION

PROJECT TYPE

R (Renewal)
E (Expansion)
N (New)

2015 APPROVED 2016 OUTLOOK 2017 OUTLOOK 2018 OUTLOOK 2019 OUTLOOK

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Ramps from Big Nickel Road to Lorne Street	R					\$ 2,500,000
MR55 from MR24 to Eve Street	R					\$ 1,970,000
Valleyview Road from Martin Road to Evans Road	R					\$ 1,430,000
MR84 from Cote Blvd to Linden Drive	R					\$ 1,200,000
Various Arterial and Collector Roads - Removal/Replacement/Rehabilitation	R		\$ 1,700,000	\$ 1,740,000	\$ 1,740,000	\$ 1,740,000
SUBTOTAL Arterial - Collector Roads		\$ 10,855,000	\$ 10,625,000	\$ 11,475,000	\$ 13,150,000	\$ 12,140,000
Local Roads						
Hines Street from Moonlight Avenue to Equinox Crescent (includes Developer Contribution)	R	\$ 630,000				
Elm Street (Val Caron) from Main Street to Larch Street	R	\$ 565,000				
Vaughan Avenue from Crescent Avenue to Shaw Street	R	\$ 350,000				
David Street from Bridge Street West to End	R	\$ 350,000				
Ronald Crescent from Blacklake Road to Thomas Street	R	\$ 315,000				
Louisa Drive from Muriel Crescent North to Muriel Crescent South	R	\$ 310,000				
Ghandi Lane and Patterson Street Drainage	R	\$ 300,000				
Leslie Street from Myles Street to Bridge	R	\$ 295,000				
Kipling Court from Westmount Avenue North to Westmount Avenue South	R	\$ 280,000				
Navanod Road from Fourth Avenue to 0.6km East	R	\$ 275,000				
Laura Street from MR 80 to Carmen Street	R	\$ 260,000				
Amanda Street from Second Avenue (Coniston) to East End	R	\$ 240,000				
Lamothe Street from Barry Downe Road to Leon Avenue	R	\$ 235,000				
Prevost Street from St. Agnes Street to Laurier Street	R	\$ 220,000				
Morris Street from Howey Drive to Anne Street	R	\$ 165,000				
Yale Street from Marcel Street to Regent Street	R	\$ 135,000				
Maureen Crescent from Gemmeil Street to Downland Avenue	R	\$ 130,000				
Patrick Street from Hawthorne Drive to Canterbury Street	R	\$ 130,000				
South Lane North from Highway 69 South to Pioneer Road (includes developer contribution)	R	\$ 130,000				
Carr Street from Falconbridge Highway to 0.4 km North	R	\$ 105,000				
Marcel Street from Bouchard Street to Yale Street	R	\$ 105,000				
Barbara Street from Yale Street to Arnold Street	R	\$ 90,000				
Traffic Calming	N	\$ 160,000				
Gutcher Avenue from Mary Street to Lorne Street	R		\$ 165,000	\$ 170,000	\$ 175,000	\$ 175,000
First Avenue from Balsam Street to 0.5 km South	R		\$ 480,000			
Minto Street from Larch Street to Elgin Street	R		\$ 465,000			
Paul Street from Graham Road to Caroline Street	R		\$ 436,000			
Crescent Avenue from Young Street to Dornie Street	R		\$ 430,000			
St. Nicholas Street from Edinburgh Street to Wembley Drive	R		\$ 275,000			
Ano Street from Sparks Street to 0.4 km North	R		\$ 240,000			
Normand Avenue from Leonard Avenue North to Arlington Drive	R		\$ 240,000			
Second Avenue from Torbay Road to Bayside Crescent	R		\$ 230,000			
Hesta Street from Arlington Drive to Riverside Drive	R		\$ 230,000			
Mary Street from Desmorest Street to Gutcher Avenue	R		\$ 220,000			
Carol Street from MR 80 to Suzanne Street	R		\$ 210,000			
Talon Street from Will Street to Josephine Street	R		\$ 175,000			
Carmen Street from LaSalle Boulevard to 0.4 km South	R		\$ 170,000			
Chenier Street from Oscar Street to MR 80	R		\$ 165,000			

Roads Detail

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
	R (Renewal) E (Expansion) N (New)					
Tremblay Street from Laval Street to Talon Street	R		\$ 155,000			
Clifford Crescent from Percy Avenue to Flake Street	R		\$ 150,000			
Barrington Street from Falconbridge Highway to End	R		\$ 115,000			
Nicole Street from Arington Drive to Riverside Drive	R		\$ 110,000			
Gregg Lane from Martindale Road to Gino Street	R		\$ 110,000			
Northway Avenue from LaSalle Boulevard to Palisade Place	R		\$ 110,000			
Mary Court from Orell Street to Orell Street	R		\$ 105,000			
Rene Street from Addy Crescent to Mederic Street	R		\$ 90,000			
Aurora Street from Monique Street to 0.1 km East	R		\$ 80,000			
Noble Street from Granite Street to Huron Street	R		\$ 65,000			
Hope Street from Huron Street to Granite Street	R		\$ 60,000			
Parkwood Street from Maple Street to North End	R		\$ 35,000			
Danforth Avenue from Fielding Street to Barrington Street	R			\$ 680,000		
Birch Street, Maple Street, Oak Street and Cedar Street	R			\$ 560,000		
Creighton Road from School Street to Godfrey Drive	R			\$ 445,000		
O'Neil Drive East from Penman Avenue to Margaret Street South	R			\$ 310,000		
Straithmere Court from Robinson Drive E to Robinson Dr W	R			\$ 300,000		
Leonard Street from Hwy 144 to North End	R			\$ 285,000		
Field Street from Algonquin Road to Larchwood Drive	R			\$ 280,000		
Bonin Street from Fire Route T to Montee Principal	R			\$ 240,000		
Lillian Street from Dominion Drive to 0.5 km North	R			\$ 220,000		
McAllister Avenue from Lasalle Blvd to South End	R			\$ 205,000		
Coleen Avenue from Gravel Drive to Ivan Street	R			\$ 205,000		
Glendale Court from Flake Street W to Flake Street East	R			\$ 190,000		
Loach's Road from Eden Point Drive to Cerelli Court	R			\$ 165,000		
Mont Adam Street from Lloyd Street to Cochrane Street	R			\$ 120,000		
Rita Street from Wilfred Street to 0.1 km East	R			\$ 80,000		
Bethune Avenue from Randolph Street to Richard Street	R			\$ 80,000		
Various Local Roads	R			\$ 80,000		
SUBTOTAL Local Roads		\$ 5,775,000	\$ 5,475,000	\$ 4,535,000	\$ 5,000,000	\$ 5,000,000
Bridges/Culverts					\$ 5,175,000	\$ 5,175,000
Various Bridge / Culvert Repairs	R	\$ 1,900,000	\$ 1,250,000	\$ 1,510,000	\$ 3,800,000	\$ 5,000,000
MR 55 (CPR Overhead)	R	\$ 1,000,000				
Vermillion River Bridge	R	\$ 750,000				
Hebert Street Culvert	R	\$ 320,000				
Bodson East Culvert	R	\$ 275,000				
Kalmo Road	R		\$ 1,600,000			
Elbow Creek Culvert	R		\$ 450,000			
Montpellier Road South Culvert	R		\$ 300,000			
Old Soo Road Culvert	R		\$ 275,000			
Bridge Inspections / Evaluations	R		\$ 200,000		\$ 200,000	
Kelly Lake Road	R			\$ 1,800,000		
Spanish River Bridge	R			\$ 1,600,000		
SUBTOTAL Bridges/Culverts		\$ 4,245,000	\$ 4,075,000	\$ 4,910,000	\$ 4,000,000	\$ 5,000,000



Roads Detail

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
	R (Renewal) E (Expansion) N (New)					
Streetlighting						
Miscellaneous Streetlight Upgrades	R	\$ 250,000	\$ 275,000	\$ 275,000	\$ 290,000	\$ 305,000
New Streetlights	N	\$ 50,000	\$ 55,000	\$ 55,000	\$ 60,000	\$ 65,000
SUBTOTAL Streetlighting		\$ 300,000	\$ 330,000	\$ 330,000	\$ 350,000	\$ 370,000
Traffic - New Lights						
Traffic System Improvements	R/N	\$ 315,000	\$ 325,000	\$ 335,000	\$ 350,000	\$ 365,000
SUBTOTAL Traffic - New Lights		\$ 315,000	\$ 325,000	\$ 335,000	\$ 350,000	\$ 365,000
Sidewalk/Curb						
Various Projects	R/N	\$ 760,000	\$ 775,000	\$ 790,000	\$ 810,000	\$ 830,000
SUBTOTAL Sidewalk/Curb		\$ 760,000	\$ 775,000	\$ 790,000	\$ 810,000	\$ 830,000
Surface Treatment						
Single Surface Treatment Various Locations	R	\$ 300,000				
Bay Street (1.5 km)	R	\$ 135,000				
Simmons Road (1.0 km)	R	\$ 90,000				
South Lane Road (1 km)	R	\$ 90,000				
St. Pothier Road (1 km)	R	\$ 90,000				
Spanish River Road (1.0 km)	R	\$ 90,000				
West Bay Road (various) (0.9 km)	R	\$ 81,000				
Morgan Road (0.9 km)	R	\$ 81,000				
Dryden Road (0.6 km)	R	\$ 54,000				
Valleyview Road (0.4 km)	R	\$ 37,800				
Vermillion Lake Road (0.4 km)	R	\$ 36,000				
Spencer Road (Wahnapiatae) (0.3 km)	R	\$ 27,000				
Lakeshore (0.2 km)	R	\$ 19,800				
Evans (0.2 km)	R	\$ 14,400				
Dupuis Drive (0.1 km)	R	\$ 9,000				
SUBTOTAL Surface Treatment		\$ 1,155,000	\$ 1,000,000	\$ 1,025,000	\$ 1,050,000	\$ 1,075,000
Other Road Programs/Projects						
Development Subdivision Surface Asphalt	N	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
Consulting Services - Future Projects	R	\$ 400,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Guide Rail Installations	N	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Pavement Management Updates	R	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Railway Crossings	R	\$ 200,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Crack Sealing	R	\$ 150,000	\$ 300,000	\$ 350,000	\$ 300,000	\$ 300,000
Barry Downe Bus Bay	N	\$ 140,000				
Automatic Vehicle Locators	N	\$ 100,000				
Computerized Maintenance Management Systems (CMMS)	N	\$ 75,000				
Rockfall Program	R	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Cycling Infrastructure	N	\$ 1,357,741				
Contingency	R	\$ 5,372,741	\$ 1,689,374	\$ 1,561,797	\$ 1,852,478	\$ 2,118,715
SUBTOTAL Other Road Programs/Projects		\$ 5,372,741	\$ 4,289,374	\$ 4,411,797	\$ 4,452,478	\$ 4,918,715
PROJECT COSTS		\$ 38,462,438	\$ 36,734,071	\$ 37,096,494	\$ 37,622,175	\$ 38,158,412



Roads Detail

PROJECT DESCRIPTION	PROJECT TYPE R (Renewal) E (Expansion) N (New)	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Notes:						
Capital Financing Reserve Fund - Roads						
1) Moonlight Avenue from Kingsway to Bancroft Drive		\$ 1,300,000				
21) Surface Asphalt Costs Which Exceed Developer's Surface Asphalt Deposit		\$ 300,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
21) Cycling Infrastructure		\$ 500,000				
OCIF Funding						
2) MR 15 from 1.6 km West of Martin Road to 4.6 km West of Martin Road		\$ 2,241,439				
Federal Gas Tax Funding						
3) Old Hwy 17 (MR 55) from Bridge at Eve Street to Gorman Avenue		\$ 1,850,000				
4) Old Hwy 17 (MR 55) from 1.4 km East of McCharles Lake Road to McCharles Lake Road		\$ 1,440,000				
5) MR 84 from Capreol Lake Road to Meehan Street		\$ 955,000				
6) Second Avenue (Coniston) Hwy 17 to Concession Street		\$ 630,000				
7) Mackenzie Street and College Street Drainage		\$ 350,000				
8) Hines Street from Moonlight Avenue to Equinox Crescent		\$ 330,000				
9) Elm Street (Val Caron) from Main Street to Larch Street		\$ 400,000				
10) Vaughan Avenue from Crescent Avenue to Shaw Street		\$ 250,000				
11) David Street from Bridge Street West to End		\$ 250,000				
12) Ronald Crescent from Blacklake Road to Thomas Street		\$ 225,000				
13) Louisa Drive from Muriel Crescent North to Muriel Crescent South		\$ 225,000				
14) Leslie Street from Myles Street to Bridge		\$ 220,000				
15) Kipling Court from Westmount Avenue North to Westmount Avenue South		\$ 220,000				
16) Navanod Road from Fourth Avenue to 0.6km East		\$ 200,000				
17) Laura Street from MR 80 to Carmen Street		\$ 179,527				
		\$ 7,724,527				
Obligatory Reserves						
18) Hines Street from Moonlight Avenue to Equinox Crescent		\$ 165,000				
19) South Lane North from Highway 69 South to Pioneer Road		\$ 8,250				
20) Developer's Subdivision Surface Asphalt Deposits		\$ 1,700,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000
		\$ 1,873,250				
Third Party Recoveries						
22) Crean Hill Road from MR 4 to Victoria Mine (includes KGHM International Contribution)		\$ 1,500,000				
Incremental Operating Costs:						
Moonlight Avenue from Kingsway to Bancroft Drive		\$ 3,084				
Hines Street from Moonlight Avenue to Equinox Crescent (includes Developer Contribution)		\$ 524				
MR 15 from 1.6 km West of Martin Road to 4.6 km West of Martin Road		\$ 9,424				
Old Hwy 17 (MR 55) from Bridge at Eve Street to Gorman Avenue		\$ 4,319				
MR 84 from Capreol Lake Road to Meehan Street		\$ 2,199				
Sidewalk/Curb		\$ 198				
Guide Rail Installations		\$ 5,688				
		\$ 25,436				

Portion of contingency funds may be used to cover variations in construction inspection costs. These costs can be impacted by a number of factors including weather and ground conditions among others that impart budgetary risks and therefore a contingency is warranted.



Unfunded Capital Projects

Roads

PROJECT DESCRIPTION	PROJECT TYPE	COST
	R (Renewal)	
	E (Expansion)	
	N (New)	
Maley Drive (Note 1)	N/E	\$ 105,150,000
MR 35 Widening from Azilda to Chelmsford	E	\$ 29,150,000
Kingsway Realignment	N	\$ 24,600,000
New University Link	N	\$ 15,800,000
Notre Dame Widening - Lasalle to Kathleen	E	\$ 15,450,000
Lasalle Barry Downe Intersection Improvements	E	\$ 5,100,000
Depot Upgrades (Note 2)	R	TBD
TOTAL UNFUNDED PROJECTS		\$ 195,250,000

TBD - To be determined

Note 1 - Unfunded portion above represents additional costs beyond the funding approved by Council in prior years and as well as funding within this Capital Budget.

Note 2 - Depot Needs study will identify future needs with estimated costs for upgrades to various depots.

Municipal Roads, Structures and Related Infrastructure - 10 Year Financial Plan

Based on the Municipal Roads, Structures and Related Infrastructure 10 Year Financial Plan as presented to Council on July 10, 2012, there is an immediate infrastructure deficit of \$700M. The required sustainable funding for capital is approximately \$75M annually. This represents a funding gap of approximately \$38M. In order to close this funding gap and address the impact of inflation, roads would require an additional \$7M per year over a 10 year phase in period.



Drainage Detail

PROJECT DESCRIPTION	PROJECT TYPE	OUTLOOK					2019 OUTLOOK
		2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK	
	N (New)						
	E (Expansion)						
PREVIOUS COUNCIL APPROVALS							
Paquette Whiston Stormwater Facility (Contribution to Reserve Fund)	N	\$ 350,000	\$ 150,000				
Horizon Stormwater Management Facility (Contribution to Reserve Fund)	N	\$ 50,000					
Countryside Stormwater Pond	N	\$ 100,000					
SUBTOTAL PREVIOUS COUNCIL APPROVALS		\$ 500,000	\$ 150,000				
Municipal Drainage & Stormwater Management							
Mountain Street Storm Outlet - Project Cost - Current Year	N	\$ 3,650,000	\$ 550,000	650,000	400,000	400,000	400,000
Mountain Street Storm Outlet - Future Financing		\$ (2,000,000)	\$ 550,000	650,000	400,000	400,000	400,000
Mountain Street Storm Outlet - Financing in Current Year		\$ 1,650,000	\$ 550,000	650,000	400,000	400,000	400,000
Minnow Lake Stormwater Treatment Station	N	\$ 1,400,000					
Miscellaneous Storm Sewer Improvements	N	\$ 95,000	\$ 75,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Upper Whiston River Flood Control	N	\$ 75,000	\$ 175,000	\$ 505,000	\$ 275,000	\$ 525,000	\$ 525,000
Dominion Drive/Concorde Stormsewer Outlet	N	\$ 75,000					
Miscellaneous Consulting Fees	N	\$ 55,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Paul Street Stormsewer Outlet (Azilda)	N	\$ 27,600	\$ 20,700				
East Branch Junction Creek Stormwater Management	N	\$ 600,000	\$ 600,000	\$ 350,000	\$ 450,000	\$ 200,000	\$ 200,000
Bancroft Stormwater Management Facility	N	\$ 285,000	\$ 100,000	\$ 100,000	\$ 75,000	\$ 100,000	\$ 100,000
Still Lake Stormwater Management Improvement	N	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Rodgers Road Storm Water Management	N	\$ 50,000	\$ 200,000	\$ 200,000	\$ 40,000	\$ 35,000	\$ 35,000
Rheal Stormwater Management Facility	N	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 100,000	\$ 100,000
David Street Storm Outlet Treatment Station	N	\$ 50,000	\$ 50,000	\$ 250,000	\$ 250,000	\$ 125,000	\$ 125,000
Trillium Municipal Drain Stormwater Management (Azilda)	N	\$ 40,000	\$ 40,000	\$ 119,100	\$ 119,100	\$ 300,000	\$ 300,000
Jacobsen - Cavarzan Storm Sewer	N	\$ 35,700	\$ 32,700	\$ 32,700	\$ 17,900	\$ 18,300	\$ 18,300
Upper Korpela Creek Stormwater Management Facility	N	\$ 21,300	\$ 80,000	\$ 80,000	\$ 40,000	\$ 48,000	\$ 48,000
Trillium Trunk Storm Sewer (West Azilda)	N	\$ 19,600	\$ 19,600	\$ 200,000	\$ 240,000	\$ 460,000	\$ 460,000
Capreol Storm Drainage Improvements - Phase 1	N						
Whiston River Tributary 3 Stormwater Management (Cheimsford)	N						
Josephine Street Outlet Stormsewer Oversizing (Val Caron)	N						
Subwatershed Planning Study (Contribution to Reserve Fund)	N	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
SUBTOTAL Municipal Drainage & Stormwater Management		\$ 5,627,600	\$ 2,372,300	\$ 2,567,700	\$ 2,614,100	\$ 2,661,300	\$ 2,661,300
PROJECT COSTS		6,127,600	2,522,300	2,567,700	2,614,100	2,661,300	2,661,300



Unfunded Capital Projects

Drainage

PROJECT DESCRIPTION	PROJECT TYPE		COST
	R (Renewal)	E (Expansion)	
Lake Ramsey West Watershed Stormwater Management	N		\$ 25,000,000
East Branch Junction Creek Stormwater Management Study& Improvements	N		\$ 10,000,000
Whitson River Tributary 3 Stormwater Management Control	N		\$ 6,000,000
Whitewater Lake Stormwater Management	N		\$ 5,500,000
Rodgers Road Storm Water Management	N		\$ 5,000,000
Upper Whitson River Flood Control Radar Hill Site	N		\$ 5,000,000
Upper Whitson River Flood Control Tributary 10 Site	N		\$ 2,300,000
Capreol Storm Drainage Improvements - Phase 1	N		\$ 2,200,000
Upper Whitson River Flood Control Falconbridge Branch Site	N		\$ 2,000,000
Ida Street Algonquin Watershed Stormwater Pond	N		\$ 1,800,000
Trillium Trunk Stormsewer (West Azilda)	N		\$ 1,800,000
Still Lake Stormwater Management Improvement	N		\$ 1,600,000
Upper Korpela Creek Stormwater Facility	N		\$ 1,600,000
Regent Street Loach's Road Storm Sewer Outlet	N		\$ 1,500,000
Mountain Street Storm Outlet	N		\$ 1,450,000
Bancroft Road Stormwater Management Facility	N		\$ 1,400,000
Rheal Street Stormwater Management Facility	N		\$ 1,250,000
Green Avenue Stormwater Treatment Centre	N		\$ 1,000,000
Ramsey Lake Road/Health Sciences North Stormwater Treatment Station	N		\$ 1,000,000
Jacobson-Cavarzan Stormsewer Outlet	N		\$ 875,000
Lake Nepahwin Stormwater Treatment Tank # 10	N		\$ 800,000
Jack Nicholas Stormwater Management	N		\$ 500,000
Madison Nickeldale Stormwater Pond	N		\$ 500,000
Mallard's Pond Refit/Rehabilitation	R		\$ 500,000
Valleystream Stormwater Management	N		\$ 500,000
Minnow Lake Stormwater Treatment Station	N		\$ 400,000
TOTAL UNFUNDED PROJECTS			\$ 81,475,000



Water Summary

CATEGORY DESCRIPTION

(For detailed project listing see attached)

	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Previous Council Approvals	\$ 1,821,371	\$ 1,486,753	\$ 1,359,368	\$ 700,738	\$ -
Water Distribution					
Condition Assessment - Watermains	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Watermain Replacement / Rehabilitation	\$ 1,470,000	\$ 1,400,000	\$ 1,400,000	\$ 1,400,000	\$ 1,400,000
Watermain Priority Projects	\$ 5,803,551	\$ 5,688,518	\$ 4,398,758	\$ 4,961,318	\$ 6,845,531
Network Looping	\$ -	\$ 2,500,000	\$ 250,000	\$ 250,000	\$ 250,000
Distribution System - Other	\$ 1,270,000	\$ 690,000	\$ 740,000	\$ 490,000	\$ 390,000
Water Plants					
Plants - Water Treatment Plants	\$ 800,000	\$ 1,600,000	\$ 475,000	\$ 2,275,000	\$ 400,000
Plants - Wells	\$ 900,000	\$ 850,000	\$ 1,525,000	\$ 2,300,000	\$ 1,500,000
Plants - Reservoirs / Tanks / Booster Stations	\$ 100,000	\$ 5,600,000	\$ 100,000	\$ 100,000	\$ 100,000
Plants - System Wide	\$ 750,000	\$ 475,000	\$ 625,000	\$ 475,000	\$ 540,000
Water Works - Strategic Initiatives	\$ 1,202,500	\$ 652,500	\$ 632,500	\$ 632,500	\$ 632,500
PROJECT COSTS	\$ 14,217,422	\$ 21,042,771	\$ 11,605,626	\$ 13,684,556	\$ 12,158,031
PROJECT FINANCING					
Reserves: Capital	\$ (1,585,000)	\$ -	\$ -	\$ -	\$ -
Reserves: Gas Tax	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Envelopes: Future Years or Debt Financing	\$ -	\$ (7,900,000)	\$ 1,800,000	\$ (10,817)	\$ 1,789,183
CAPITAL ENVELOPE (W/WW User Fees)	\$ 12,632,422	\$ 13,142,771	\$ 13,405,626	\$ 13,673,739	\$ 13,947,214

Priority Setting:

Watermain priority projects are determined based on a review of:

- A) Condition: The database of watermain breaks is ranked according to number and frequency of breaks per section of pipe. This ranking is combined with the pipe age, material and diameter to determine priority sections for replacement, either as a watermain priority project or in conjunction with a roads priority project.
- B) Capacity / Security of Supply: Fire flows and pressures are analysed for anticipated future developments, as well as opportunities for looping or upsizing the watermains, to improve the security of supply.

When a roads or sanitary sewer priority project is identified, all of the above criteria are reviewed to determine if associated watermain replacement / upgrades are required.

The following is the criteria considered for Prioritizing Water and Wastewater Facilities :

- Legislation / Compliance
- Health & Safety
- Protecting Public Health
- Maintenance / Renewal / Replacement of Existing Capital Assets
- Enhancing Productivity
- Protection of the Environment



Water Detail

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Lorne Street - Martindale Road to Logan Avenue Funding from Future Year Envelopes	R (Renewal)		\$ 1,430,000	\$ 1,000,000		
Lorne Street - Martindale Road to Logan Avenue - Financing in Budget Year	E (Expansion)		\$ (1,000,000)	\$ 1,000,000		
MR 35 - from Notre Dame West to Hwy 144	N (New)		\$ 430,000	\$ 1,000,000		
Gutcher Avenue - Mary Street to Lorne Street	R, N		\$ 925,000			
First Avenue (Coniston) - Balsam to 0.5 km South	R		\$ 675,000			
Arvo Street - Sparks Street to 0.4 km North	R		\$ 500,000			
St. Jerome Easement (behind Notre Dame)	R		\$ 400,000			
Mary Court (Garson) - Orell Street to Orell Street	R		\$ 300,000			
Parkwood (Maple to N. End) to Poplar	R		\$ 250,000			
MacLachlan Street (Spruce Street to South End)	R		\$ 200,000			
Dundas Street - Hargreaves Avenue to 75 m South West	R		\$ 100,000			
Maple Street (Eitelbert Street to East End)	R		\$ 100,000			
Maple (Parkwood to West End)	R		\$ 75,000			
Spruce Street - Regent Street to Traverse Street	R		\$ 75,000			
Fairburn Street - Barry Downe Road to East End	R, N		\$ 1,500,000			
Laberge Lane - North End to Bancroft Drive	R		\$ 485,000			
Lively-Backyard and Small Diameter W/M Replacement	R		\$ 210,000			
Avalon Road - Bancroft Drive to South End	R		\$ 400,000			
Maple Street (Between Reginald & Eitelbert)	R		\$ 165,000			
Lorne Street (Easement) - Dean to Sutherland (Combine with Dean)	R		\$ 150,000			
Margaret - Second Avenue to East End	R		\$ 150,000			
Belisle - MR15 to End	R		\$ 150,000			
Rita Street - Wilfrid Street to Grace Street	R		\$ 130,000			
Replacement / Relocation of Backyard Watermains (Various Locations):	R		\$ 100,000	\$ 400,000	\$ 500,000	\$ 500,000
Kelly Lake Road - Watermain with Culvert Replacement	R		\$ 100,000			
Mont Adam - Lloyd to Cochrane	R		\$ 100,000			
Stanley Street (Ash Street to 25 m South)	R		\$ 50,000			
Dean - Lorne Easement	R		\$ 50,000			
MR15 from Belisle Drive to 2.2 km west - Hydrant Relocation	R		\$ 25,000			
Various Watermain with Roads Priority Projects	R		\$ 3,500,000	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000
Various Watermain Priority Projects	R		\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,000,000
Replacement of 2 " Watermains (Various Locations):	R		\$ 130,000	\$ 130,000	\$ 130,000	\$ 370,000
Contingency - Watermain Priority Projects	R	\$ 256,199	\$ 283,518	\$ 278,758	\$ 206,318	\$ 250,531
SUBTOTAL - Watermain Priority Projects		\$ 5,803,551	\$ 5,688,518	\$ 4,398,758	\$ 4,961,318	\$ 6,845,531



Water Detail

PROJECT DESCRIPTION	PROJECT TYPE	OUTLOOK				
		2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
	R (Renewal)					
	E (Expansion)					
	N (New)					
Network Looping						
Valley Water System Looping - Construction (Four Contracts)	N		\$ 2,500,000			
Funding from Future Year Envelopes			\$ (2,000,000)	\$ 800,000	\$ 1,200,000	
Valley Water System Looping - Financing in Budget Year			\$ 500,000	\$ 800,000	\$ 1,200,000	
Water System Looping (Various Areas)	N		\$	\$ 250,000	\$ 250,000	\$ 250,000
SUBTOTAL - Network Looping		\$ -	\$ 2,500,000	\$ 250,000	\$ 250,000	\$ 250,000
Distribution System - Other						
Vermilion Water System Metering (Engineering & Construction)		\$ 550,000				
Distribution System Operational Optimization (incl. non-revenue water reduction)	R	\$ 400,000	\$ 400,000	\$ 400,000	\$ 250,000	\$ 250,000
Distribution Support - Contract Support	R	\$ 200,000	\$ 150,000	\$ 200,000	\$ 100,000	\$ 100,000
Water Meter Replacement	R	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Distribution Health & Safety Equipment (Lock Out / Tag Out / Trench Box / Confined Space Entry / Decontaminations)	N	\$ 20,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
SUBTOTAL - Distribution System - Other		\$ 1,270,000	\$ 690,000	\$ 740,000	\$ 490,000	\$ 390,000
Plants - Water Treatment Plants						
Vermilion WTP - Capital Contribution to Vale		\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000
Wanapitei WTP Reactivator Upgrades (Design 2015)		\$ 200,000				
Wanapitei WTP - Filter Media Replacement		\$ 125,000	\$ 125,000			
Wanapitei WTP - Various Plant Repairs / Equipment Replacement	R	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
David Street WTP - Various Plant Repairs / Equipment Replacement	R	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
Wanapitei WTP Reactivator Upgrades (Construction 2016)		\$	\$ 1,000,000			
Wanapitei WTP - Phase 3 Design & Contract Administration / Inspection	R		\$	\$ 1,800,000	\$	\$ 900,000
Funding from Future Year Envelopes			\$	\$ (900,000)	\$	\$ 900,000
Wanapitei WTP - Phase 3 - Financing in Budget Year			\$	\$ 900,000	\$	\$ 900,000
SUBTOTAL - Plants - Water Treatment Plants		\$ 800,000	\$ 1,600,000	\$ 475,000	\$ 2,275,000	\$ 400,000
Plants - Wells						
Well Building Repairs / Upgrades - Design & Construction	R	\$ 800,000	\$ 850,000	\$ 1,525,000	\$ 1,400,000	\$ 1,500,000
Well Facility Audit - Lionel, Riverside, Garson 1, 2 & 3		\$ 100,000				
Wells Inspection / Rehabilitation					\$ 900,000	
Funding from Future Year Envelopes (\$600,000 in 2020)					\$	\$ 300,000
Wells Inspection / Rehabilitation - Financing in Budget Year					\$ (900,000)	\$ 300,000
SUBTOTAL - Plants - Wells		\$ 900,000	\$ 850,000	\$ 1,525,000	\$ 2,300,000	\$ 1,500,000



Water Detail

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
	R (Renewal)					
	E (Expansion)					
	N (New)					
Plants - Reservoirs / Tanks / Booster Stations						
Storage Tank Inspection / Cathodic Protection / Rehab - Various Tanks	R	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Hammer Water Storage Tank and Piping (Construction)	N, E	\$ 5,500,000	\$ (4,900,000)		\$ 589,183	\$ 589,183
Funding from Future Year Envelopes (Debt Financing from 2018 to 2027)					\$ 589,183	\$ 589,183
Hammer Water Storage Tank and Piping (Construction) - Financed in Budget Year			\$ 600,000			
SUBTOTAL - Plants - Reservoirs / Tanks / Booster Stations		\$ 100,000	\$ 5,600,000	\$ 100,000	\$ 100,000	\$ 100,000
Plants - System Wide						
Annual SCADA / Communications Upgrades, All Facilities	R	\$ 250,000	\$ 265,000	\$ 250,000	\$ 250,000	\$ 315,000
SCADA, Controls & Instrumentation Systems Master Plan (50% W & WWW)	R	\$ 200,000				
Various Plant Repairs / Equipment Upgrades	R	\$ 150,000	\$ 50,000	\$ 200,000	\$ 100,000	\$ 100,000
Operating Manuals & As-Builts	R	\$ 75,000	\$ 60,000	\$ 75,000	\$ 50,000	\$ 50,000
Health and Safety Inspections and Upgrades (includes Prestart Health & Safety Reviews)	R	\$ 50,000	\$ 75,000	\$ 75,000	\$ 50,000	\$ 50,000
Security Improvements (Surveillance, Fencing, Alarms, Keys)	N	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
SUBTOTAL - Plants - System Wide		\$ 750,000	\$ 475,000	\$ 625,000	\$ 475,000	\$ 540,000
Water Works - Strategic Initiatives						
AMR (Automatic Meter Reading) Water Meters (Contribution to Reserve Fund)	R,N	\$ 1,000,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Source Protection Plan (incl. Modelling Scenarios)	N	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
GIS - Various Equipment & Software & W/WWW Business Plan	N	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
AVL (Automatic Vehicle Locator) Software & Capital Equipment (W / WWW - 50% / 50%)	N	\$ 20,000	\$ 20,000			
National W & WWW Benchmarking Initiative (Collection & Distribution and Plants)	N	\$ 25,000				
Contribution - Children's Water Festival	R	\$ 7,500				
Contribution to Operating (Benchmarking and Water Festival)			\$ 32,500	\$ 32,500	\$ 32,500	\$ 32,500
SUBTOTAL - Water Works - Strategic Initiatives		\$ 1,202,500	\$ 652,500	\$ 632,500	\$ 632,500	\$ 632,500
PROJECT COSTS		\$ 14,217,422	\$ 21,042,771	\$ 11,605,626	\$ 13,684,556	\$ 12,158,031

Notes:

- 1) Capital Financing Reserve Fund Water
- 2) In year budget approval of \$252,658 was made in May 2015 to approve a total project amount of \$450,000



Unfunded Capital Projects

Water

PROJECT DESCRIPTION	PROJECT TYPE	COST
Wanapitei WTP Alternate Trunk Watermain - Multiple Phases	N	\$ 37,000,000
Fielding Road Watermain Servicing	E	\$ 8,250,000
Well Building Repairs/Upgrades - Design & Construction	R	\$ 6,500,000
Watermain Replacement / Rehabilitation (to accommodate Roads Priority Projects in 2015/2016) (refer to Note 1 below)	R	\$ 16,500,000
Maley Drive Extension - Watermain	E	\$ 3,900,000
Boland, Lancaster, Windsor Booster (Construction - will include Watermain Upgrades)	R, N	\$ 2,500,000
Valley Water Looping	N	\$ 2,000,000
Ramsey Lake South Shore Servicing (Construction)	E	\$ 1,900,000
Kingsway Realignment	R	\$ 800,000
Falconbridge Water Tower Replacement Design / Contract Administration and Inspection	R	\$ 550,000
Whitefish Looping & Rechlorination Facilities - Rechlorination Project	N	\$ 325,000
Implementation of Booster Station Evaluation	R	\$ 300,000
Water Meters (AMRs)	R	\$ 2,000,000
TOTAL UNFUNDED		\$ 82,525,000

Note 1 - Listing of watermain replacement / rehabilitation projects for 2015/2016 only:

Yale Street - Marcel Street to Regent Street (1957 Cl) *	\$ 525,000
Leslie Street - Myles to the Bridge (1945 Cl) *	\$ 350,000
Minto - Larch to Elgin (1955 Cl) **	\$ 325,000
Maureen - Downland to Gemmel (1956 Cl) *	\$ 300,000
Lamothe Street - Barrydowne to Leon (additional loop to improve hydraulics) *	\$ 280,000
Carol Street - MR80 to Suzanne (1950 Cl) **	\$ 250,000
Chenier - Oscar to MR80 (1950 Cl) **	\$ 240,000
Marcel Street - Yale Street to Bouchard Street (1957 Cl) *	\$ 200,000
Northway - Lasalle to Palisade (1955 Cl) **	\$ 180,000
Patrick - Hawthorne to Cantebury (1956 Cl) *	\$ 175,000
Barrington - Falconbridge to end (1958 Cl) **	\$ 165,000
Rene - Addy to Mereric (1950 Cl) **	\$ 130,000
Aurore - Monique to 100m East (1950 Cl) **	\$ 100,000
Noble Street - Granite to Huron (1945 Cl) **	\$ 100,000
Hope - Huron to Granite (1945 Cl) **	\$ 100,000
	\$ 3,420,000

* - included in Roads Capital Budget as to be completed in 2015

** - included in Roads Capital Budget as to be completed in 2016

"Cl" represents cast iron watermain



Wastewater Summary

CATEGORY DESCRIPTION	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
<i>(For detailed project listing see attached)</i>					
Previous Council Approvals	\$ 4,147,563	\$ 512,563	\$ 462,563	\$ 462,563	\$ 462,563
Wastewater Collection					
Condition Assessment - Sewer System	\$ 285,558	\$ 800,000	\$ 600,000	\$ 800,000	\$ 600,000
Sewer System Rehabilitation	\$ 1,325,000	\$ 1,325,000	\$ 1,325,000	\$ 1,325,000	\$ 1,225,000
Sewer Priority Projects	\$ 4,389,614	\$ 12,738,158	\$ 785,736	\$ 3,395,825	\$ 1,041,141
Collection System - Other	\$ 230,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Wastewater Plants					
Wastewater Treatment Plants - North	\$ 600,000	\$ 450,000	\$ -	\$ 3,000,000	\$ -
Wastewater Treatment Plants - South	\$ 1,880,000	\$ 8,735,000	\$ 5,435,000	\$ 18,085,000	\$ 185,000
Plants - Lift Stations	\$ 1,060,000	\$ 9,770,000	\$ 1,220,000	\$ 1,500,000	\$ 1,200,000
Plants - System Wide	\$ 1,570,000	\$ 970,000	\$ 1,020,000	\$ 930,000	\$ 930,000
Wastewater General					
Wastewater - Strategic Initiatives	\$ 545,000	\$ 585,000	\$ 165,000	\$ 150,000	\$ 150,000
PROJECT COSTS	\$ 16,032,735	\$ 36,085,721	\$ 11,213,299	\$ 29,848,388	\$ 5,993,704
PROJECT FINANCING					
Reserves: Capital	\$ (400,000)	\$ -	\$ -	\$ -	\$ -
Reserves: Gas Tax	\$ (1,960,000)	\$ (1,960,000)	\$ (1,960,000)	\$ (1,960,000)	\$ (1,960,000)
Capital Envelopes: Future Years or Debt Financing	\$ (2,900,000)	\$ (22,816,800)	\$ 2,281,800	\$ (16,122,587)	\$ 7,967,413
CAPITAL ENVELOPE (W/WW User Fees)	\$ 10,772,735	\$ 11,308,921	\$ 11,535,099	\$ 11,765,801	\$ 12,001,117

Priority Setting:

Sanitary sewer priority projects are determined based on a review of:

- A) Condition: Camera inspections of the sanitary sewers are conducted to determine pipes that are in need of repair / replacement.
- B) Operational Issues: Groundwater Infiltration into aging infrastructure and sagged systems of sewer that require frequent maintenance are prioritized for repair / replacement.
- C) Capacity: Flow capacity is analysed for new and future growth conditions and upsizing is completed as required.

When a roads or watermain priority project is identified, all of the above criteria are reviewed to determine if associated sanitary sewer replacement / upgrades are required.

The following is the basis for prioritizing Water and Wastewater Facility Projects:

- Legislation / Compliance
- Health & Safety
- Protecting Public Health
- Maintenance / Renewal / Replacement of Existing Capital Assets
- Enhancing Productivity
- Protection of the Environment



Wastewater Detail

PROJECT DESCRIPTION

PROJECT TYPE
R (Renewal)
E (Expansion)
N (New)

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
PREVIOUS COUNCIL APPROVALS						
Walden WWTP Expansion Upgrades (Design & Contract Administration / Inspection)	R	\$ 3,660,000				
Sudbury WWTP Upgrades - Headhouse Construction & Standby Power Design (\$4,000,000 Internal Financing 2015 to 2023)	N,R,E	\$ 462,563	\$ 462,563	\$ 462,563	\$ 462,563	\$ 462,563
Computerized Maintenance Management System (CMMS) Contribution - Corporate Initiative	N	\$ 25,000	\$ 50,000			
SUBTOTAL PREVIOUS COUNCIL APPROVALS		\$ 4,147,563	\$ 512,563	\$ 462,563	\$ 462,563	\$ 462,563
Condition Assessment - Sewer System						
Sewer Inspection Program (Closed-Circuit Television, Zoom Camera, Cleaning)	R	\$ 185,558 ⁹	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Sanitary Rock Tunnel Inspections (Contribution to Reserve Fund)	R	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Inflow / Infiltration Assessment (Reduction)	R	\$ -	\$ 200,000			\$ 200,000
SUBTOTAL - Condition Assessment - Sewer System		\$ 285,558	\$ 800,000	\$ 600,000	\$ 800,000	\$ 600,000
Sewer System Rehabilitation						
Sanitary Sewer System Rehabilitation (Lining) and Repair (3 Year Contracts)	R	\$ 1,125,000 ¹	\$ 1,125,000	\$ 1,125,000	\$ 1,125,000	\$ 1,125,000
Consultant Services (Inspection & Contract Administration) for Rehabilitation Projects (3 Year Contracts)		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Rock Tunnel Maintenance & Repair		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
SUBTOTAL - Sewer System Rehabilitation		\$ 1,325,000	\$ 1,325,000	\$ 1,325,000	\$ 1,325,000	\$ 1,325,000
Sewer Priority Projects						
Gatchell Outfall Sewer - (Design, Contract Administration, Inspection & Property Acquisition)	R	\$ 1,000,000				
Funding from Future Years Envelopes		\$ (1,000,000)	\$ 1,000,000			
Gatchell Outfall Sewer Financing in Budget Year		\$ -	\$ 1,000,000			
Gatchell Outfall Sewer - (Construction)	R	\$ 6,000,000				
Funding from Future Years Envelopes		\$ (2,000,000)	\$ 2,000,000			
Funding from Future Year Envelopes (Internal Debt Financing 2018 - 2027)		\$ (4,000,000)			\$ 480,965	\$ 480,965
Gatchell Outfall Sewer (Construction) - Financing in Budget Year		\$ -	\$ -	\$ 2,000,000	\$ 480,965	\$ 480,965
Algonquin Road Sewer Upgrades (Design, Contract Administration & Inspection)	R	\$ 220,000				
Algonquin Road Sewer Upgrades (Construction) (Includes upsizing)	R	\$ -	\$ 1,000,000			
Funding from Future Years Envelopes		\$ -	\$ (764,000)	\$ 764,000		
Algonquin Road Sewer - Financing in Budget Year		\$ -	\$ 236,000	\$ 764,000		
Lively Sanitary Sewer Upgrades - Construction (design / geotech in 2015) (includes upsizing)	R	\$ 200,000	\$ 3,052,800	\$ 1,267,800	\$ 1,785,000	\$ 1,785,000
Funding from Future Year Envelopes		\$ -	\$ (3,052,800)	\$ 1,267,800	\$ 1,785,000	\$ 1,785,000
Lively Sanitary Sewer - Financing in Budget Year		\$ -	\$ -	\$ 1,267,800	\$ 1,785,000	\$ 1,785,000
Lively Forcemain		\$ -	\$ -	\$ -	\$ 2,238,720	\$ 2,238,720
Funding from Future Year Envelopes (\$500,000 in 2020)		\$ -	\$ -	\$ -	\$ -	\$ (1,625,000)
Lively Forcemain Financing in Current Year		\$ -	\$ -	\$ -	\$ 613,720	\$ 1,000,000
Access Road - Phase II Design & Construction (includes upsizing)	R	\$ 1,000,000 ²				
Moonlight Avenue - Bancroft Drive to Kingsway	R	\$ 650,000 ³				
System Improvements (Development Related)	R, E	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000



Wastewater Detail

PROJECT DESCRIPTION

PROJECT TYPE
R (Renewal)
E (Expansion)
N (New)

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Barry Downie Road - Westmount Avenue to Kingsway	R	\$ 250,000 ⁴				
Combined Sewer Investigation	R	\$ 100,000	\$ 125,000	\$ 100,000	\$ 100,000	\$ 100,000
Morin Avenue - Mabel Avenue to South End	R	\$ 100,000 ⁵				
Second Avenue (Coniston) - Hwy 17 to Balsam Street	R	\$ 100,000 ⁶				
Gutcher Avenue - Mary Street to Lorne Street (Lining in 2015; Repairs & Services in 2016)	R	\$ 95,000 ⁷	\$ 385,000			
St. Nicholas - Edinburgh to Wembley (Line in 2015; Services in 2016)	R	\$ 50,000	\$ 50,000			
Hines Street - Moonlight Avenue to Rheel	R	\$ 50,000				
Barbara Street - Yale Street to Arnold Street	R	\$ 50,000				
Charette Avenue Sewers (Detailed Design)	R	\$ 25,000				
Preliminary Design for Subsequent Years	R	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Dundas Street - Hargreaves Avenue to 75 m South West (Lining in 2015; Repairs & Services in 2016)	R	\$ 25,000	\$ 15,000			
Lorne Street - Martindale Road to Logan Avenue	R	\$ 1,000,000				
Funding from Future Years Envelopes		\$ (500,000)		\$ 500,000		
Lorne Street - Martindale Road to Logan Avenue - Financing in Budget Year		\$ 500,000				
Parkwood - Maple to North End	R	\$ 200,000				
First Avenue (Coniston) - Balsam to 0.5 km South	R	\$ 150,000				
Loach's Road - Eden Point to 300 m North (Lining in 2016)	R	\$ 100,000				
Mary Court (Garson) - Orell Street to Orell Street	R	\$ 75,000				
Maple (Parkwood to West End)	R	\$ 75,000				
Rita Street - Wilfred to Grace (Line Sewer in 2016)	R	\$ 65,000				
Arvo Street - Sparks Street to 0.4 km North	R	\$ 50,000				
Leslie Street - Notre Dame Avenue to Murray Street (Lining in 2016; Repairs)	R	\$ 45,000				
Mont Adam - Lloyd to Cochrane (Lining in 2016; Repairs & Services in 2017)	R	\$ 25,000		\$ 25,000		
Spruce Street - Regent Street to Traverse Street	R			\$ 200,000	\$ 200,000	\$ 100,000
Margaret - Second Avenue to East End	R			\$ 50,000		
Avalon Road - Bancroft Drive to South End	R			\$ 40,000		
Various Sewer with Roads Priority Projects	R			\$ 500,000	\$ 500,000	\$ 500,000
Contingency - Sewer with Watermain Priority Projects	R	\$ 149,614	\$ 20,358	\$ 45,736	\$ 32,105	\$ 16,141
SUBTOTAL - Sewer Priority Projects		\$ 4,389,614	\$ 12,738,158	\$ 785,736	\$ 3,395,825	\$ 1,041,141
Collection System - Other						
Collection Support - Contract Support	N	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Collection Health & Safety Equipment (Trench Box / Confined Space Entry / Depot Improvements)	N	\$ 30,000				
SUBTOTAL - Collection System - Other		\$ 230,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Wastewater Treatment Plants - North						
Chelmsford WWTP - UV Disinfection System Replacement	R	\$ 600,000				
Funding from Future Years Envelopes		\$ (300,000)				
Chelmsford WWTP - UV Disinfection System Replacement - Financing in Current Year		\$ 300,000	\$ 300,000			



Wastewater Detail

PROJECT DESCRIPTION

PROJECT TYPE

R (Renewal)
E (Expansion)
N (New)

	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Valley East WWTP Upgrades - Capital Needs - Design (2015), Contract Administration and Inspection (2017) Funding from Future Year Envelopes		\$ 450,000		\$ 3,000,000	\$ 1,000,000
Valley East WWTP Upgrades - Capital Needs - Financing in Budget Year				\$ (2,000,000)	\$ 1,000,000
SUBTOTAL - Wastewater Treatment Plants - North	\$ 600,000	\$ 450,000	\$ -	\$ 3,000,000	\$ -
Wastewater Treatment Plants - South					
Copper Cliff Wastewater System Upgrades (Design, Contract Administration and Inspection) Funding from Future Years Envelopes	\$ 1,600,000	\$ 1,600,000			
Copper Cliff Wastewater System Upgrades - Financing in Budget Year					
Copper Cliff Wastewater System Upgrades (Construction) (2016)		\$ 8,400,000			
Funded from Future year envelopes (Internal or Debt Financing 2018 - 2027)		\$ (8,400,000)		\$ 1,015,000	\$ 1,015,000
Copper Cliff Wastewater System Upgrades - Financing in Budget Year				\$ 1,015,000	\$ 1,015,000
Sudbury WWTP Equipment Upgrades (Tank Cleaning, equipment failure, Etc.)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Copper Cliff STP - Capital Contribution to Vale	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000
Sudbury WWTP - Parking Lot and Entrance Upgrades Design	\$ 70,000				
Wanapitei Lagoon - Cell #1 Cleaning	\$ 25,000	\$ 150,000			
Sudbury WWTP Upgrades - Standby Power/Parking Lot/RV Dump Str. (Construction) Funding from Future Year Envelopes			\$ 5,100,000	\$ 500,000	\$ 2,750,000
Sudbury WWTP Upgrades - Standby Power Construction - Financing in Budget Year			\$ (3,250,000)	\$ 500,000	\$ 2,750,000
Sudbury WWTP - Unit Process Audit - for Compliance			\$ 150,000		
Sudbury WWTP - Decking Rehabilitation				\$ 125,000	
Walden WWTP Expansion - Construction Funding from Future Envelopes				\$ 17,775,000	
Funding from Future Year Envelopes (Debt Financing - \$16,300,000 from 2020 to 2034 - \$1,389,201 Annually)				\$ (1,000,000)	\$ 1,000,000
Walden WWTP Expansion Construction - Financing in Budget Year				\$ (16,000,000)	
SUBTOTAL - Wastewater Treatment Plants - South	\$ 1,880,000	\$ 8,735,000	\$ 5,435,000	\$ 18,085,000	\$ 1,000,000
Plants - Lift Stations					
Lift Station Upgrades / Standby Power - Various Locations	\$ 1,060,000	\$ 1,770,000	\$ 1,220,000	\$ 1,500,000	\$ 1,200,000
Lift Station Upgrades - Pump Replacements					
Lift Station Upgrades - Inflow Protection					
St. Charles Lift Station Upgrades (Construction in 2016-2017; Financing from 2018 to 2027) Funding from Future Envelopes		\$ 8,000,000	\$ 1,000,000		\$ 721,448
Funding from Future Year Envelopes (Internal Debt Financing - \$6,000,000 from 2018 to 2025)		\$ (6,000,000)			\$ 721,448
St. Charles Lift Station Upgrades (Construction) - Financing in Budget Year		\$ 1,000,000	\$ 1,000,000	\$ 721,448	\$ 721,448
SUBTOTAL - Plants - Lift Stations	\$ 1,060,000	\$ 9,770,000	\$ 1,220,000	\$ 1,500,000	\$ 1,200,000



Wastewater Detail

PROJECT DESCRIPTION

PROJECT TYPE
 R (Renewal)
 E (Expansion)
 N (New)

	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Plants - System Wide					
Meatbird Transfer Station - Decommissioning	\$ 400,000	\$ 270,000	\$ 270,000	\$ 270,000	\$ 270,000
Annual SCADA/Communication Upgrades	\$ 270,000	\$ 270,000	\$ 270,000	\$ 270,000	\$ 270,000
SCADA, Controls & Instrumentation Systems Master Plan (50% W & WW)	\$ 250,000	\$ 270,000	\$ 270,000	\$ 270,000	\$ 270,000
Various Plant Repairs / Equipment Upgrades / Operational Support	\$ 200,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000
Upgrading Primary Systems (Lagoons) to Secondary Treatment (Transfer to Reserve)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Operating Manuals & Facility As-Built Updates	\$ 100,000	\$ 100,000	\$ 150,000	\$ 80,000	\$ 80,000
Roofing and Fencing	\$ 100,000	\$ 50,000	\$ 50,000	\$ 30,000	\$ 30,000
Security Improvements (Card Access, Surveillance etc.)	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Health and Safety Inspections and Upgrades (Pre-Start Health & Safety Reviews)	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
SUBTOTAL - Plants - System Wide	\$ 1,570,000	\$ 970,000	\$ 1,020,000	\$ 930,000	\$ 930,000
Wastewater - Strategic Initiatives					
Energy Saving Initiatives / Process Optimization (Collection & Distribution and Plants)	\$ 450,000	\$ 500,000	\$ 40,000	\$ 25,000	\$ 25,000
GIS - Various Equipment & Software	\$ 25,000	\$ 40,000	\$ 40,000	\$ 25,000	\$ 25,000
WWWW Business Plan (WWWW 50/50)	\$ 25,000	\$ 40,000	\$ 40,000	\$ 25,000	\$ 25,000
National W & WW Benchmarking Initiative (Distribution & Collection and Plants)	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Contribution to Operating (Benchmarking)	\$ 20,000	\$ 20,000	\$ 20,000	\$ 100,000	\$ 100,000
AVL (Automatic Vehicle Locator) Software and Capital Equipment (W & WW -- 50% / 50%)	\$ 20,000	\$ 20,000	\$ 20,000	\$ 100,000	\$ 100,000
Demand - Side Management (Wet Weather Flow Reduction)	\$ 20,000	\$ 20,000	\$ 20,000	\$ 100,000	\$ 100,000
SUBTOTAL - Wastewater - Strategic Initiatives	\$ 545,000	\$ 585,000	\$ 165,000	\$ 150,000	\$ 150,000
PROJECT COSTS	\$ 16,032,735	\$ 36,065,721	\$ 11,213,299	\$ 29,848,388	\$ 5,993,704

Notes:

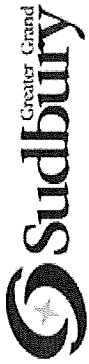
- Gas Tax Reserve
- 1) Sewer / Maintenance Hole Rehabilitation and Repair
- 2) Access Road - Phase II Design and Construction
- 3) Moonlight Avenue - Bancroft Drive to Kingsway
- 4) Barry Downe Road - Westmount Avenue to Kingsway
- 5) Morin Avenue - Mabel Avenue to South End
- 6) Second Avenue (Coniston) - Hwy 17 to Balsam Street
- 7) Gutcher Avenue - Mary Street to Lorne Street
- 8) Capital Financing Reserve Fund - Wastewater

1. Portion of contingency funds may be used to cover variations in construction inspection costs. These costs can be impacted by a number of factors including weather and ground conditions among others that impart budgetary risks and therefore a contingency is warranted.



Unfunded Capital Projects

PROJECT DESCRIPTION	PROJECT TYPE	COST
	R (Renewal)	
	E (Expansion)	
	N (New)	
Fielding Road Sewer Servicing and Walden WWTP Upgrades	E	\$ 9,250,000
Ramsey Lake South Shore Servicing (Construction)	E	\$ 3,000,000
Maley Drive Extension - Sanitary Sewer	R	\$ 1,500,000
Boland, Lancaster, Windsor Booster (Construction - will include Sanitary Sewer upgrades)	R	\$ 500,000
Sanitary Sewer Replacement / Rehabilitation - Lamothe Street - Barry Downe to Leon (to accommodate Roads Priority Projects)	R	\$ 120,000
TOTAL UNFUNDED PROJECTS		\$ 14,370,000



Fleet Summary

CATEGORY DESCRIPTION

(For detailed project listing see attached)

CATEGORY DESCRIPTION	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)	\$ 404,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)	\$ 545,000	\$ 374,793	\$ 227,790	\$ 227,790	\$ 287,450
Heavy Duty Trucks (Not Equipped for Winter Control)	\$ -	\$ 175,000	\$ 275,000	\$ 275,000	\$ 450,000
Heavy Duty Trucks (Equipped for Winter Control)	\$ 1,125,000	\$ 900,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
Heavy Duty Equipment (Graders, Loaders, Backhoes etc)	\$ 290,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 175,000
Specialty Equipment (Sweepers, Flushers, Vactors etc)	\$ 45,000	\$ 400,000	\$ 500,000	\$ 400,000	\$ 290,000
Zamboni	\$ 85,000	\$ -	\$ 85,000	\$ -	\$ 85,000
Vehicle/Equipment Rebuilding	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Fuel Site Upgrades	\$ 75,000	\$ -	\$ -	\$ -	\$ -
PROJECT COSTS	\$ 2,669,000	\$ 2,549,793	\$ 2,787,790	\$ 2,602,790	\$ 2,637,450

PROJECT FINANCING

Reserves: Capital

CAPITAL ENVELOPE (Tax Levy)

Annual Contribution to Reserve Fund	\$ 2,436,595	\$ 2,485,327	\$ 2,535,034	\$ 2,585,735	\$ 2,637,450
Additional Draw from Equipment and Vehicle Replacement Reserve Fund - Fleet	\$ 49,157	\$ 64,466	\$ 252,756	\$ 17,055	\$ -
Contribution from Insurance Reserve Fund to replace truck damaged by fire	\$ 183,248	\$ -	\$ -	\$ -	\$ -
Total Funding from Reserve Fund	\$ 2,669,000	\$ 2,549,793	\$ 2,787,790	\$ 2,602,790	\$ 2,637,450

Notes:

- 1 - City received \$183,248 insurance settlement for destroyed multi function truck (Heavy Duty Truck - Equipped for Winter Control). Additional funds of \$45,000 required for replacement vehicle from Equipment Replacement Reserve Fund - Fleet.
- 2 - The annual operating budget includes a contribution to the Equipment and Vehicle Replacement Reserve Fund - Fleet of \$2,436,595 in 2015 with an annual increase of 2% in future years.
- 3 - This 5 year capital budget includes an additional contribution from the Equipment and Vehicle Replacement Reserve Fund - Fleet of various amounts per year (from 2015 to 2018) to meet the fleet lifecycle replacement requirements.



Fleet Detail

PROJECT DESCRIPTION	PROJECT TYPE R (Renewal) N (New)	PROJECT TYPE				2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
		R (Renewal)	N (New)	R (Renewal)	N (New)					
Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)										
Cars	R	\$	191,000	\$	120,000	\$	100,000	\$	100,000	
1/2 Ton Pickups	R	\$	115,000	\$	80,000	\$	100,000	\$	100,000	
Mini Vans	R	\$	98,000	\$	50,000	\$	50,000	\$	50,000	
SUBTOTAL - Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)		\$	404,000	\$	250,000	\$	250,000	\$	250,000	
Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)										
1 Ton Dump	R	\$	90,000	\$	147,793	\$	100,000	\$	137,450	
3/4 Ton 4x4 Pickup / Crew Cabs	R	\$	240,000	\$	127,000	\$	75,000	\$	75,000	
Vans	R	\$	215,000	\$	100,000	\$	52,790	\$	75,000	
SUBTOTAL - Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)		\$	545,000	\$	374,793	\$	227,790	\$	287,450	
Heavy Duty Trucks (Not Equipped for Winter Control)										
Single Axle Dump Truck	R	\$	-	\$	175,000	\$	275,000	\$	450,000	
SUBTOTAL - Heavy Duty Trucks (Not Equipped for Winter Control)		\$	-	\$	175,000	\$	275,000	\$	450,000	
Heavy Duty Trucks (Equipped for Winter Control)										
Tandem Multi-Function	R	\$	1,125,000	\$	900,000	\$	1,000,000	\$	1,000,000	
SUBTOTAL - Heavy Duty Trucks (Equipped for Winter Control)		\$	1,125,000	\$	900,000	\$	1,000,000	\$	1,000,000	
Heavy Duty Equipment (Graders, Loaders, Backhoes etc)										
Grader / Loader	R	\$	-	\$	200,000	\$	200,000	\$	175,000	
Trackless MT5	R	\$	290,000	\$	150,000	\$	150,000	\$	-	
SUBTOTAL - Heavy Duty Equipment (Graders, Loaders, Backhoes etc)		\$	290,000	\$	350,000	\$	350,000	\$	175,000	
Specialty Equipment (Sweepers, Flushers, Vactors etc)										
Compressors	R	\$	45,000	\$	-	\$	-	\$	45,000	
Asphalt Equipment	R	\$	-	\$	165,000	\$	150,000	\$	145,000	
Boilers / Steamers	R	\$	-	\$	150,000	\$	75,000	\$	100,000	
Forklift	R	\$	-	\$	85,000	\$	-	\$	-	
Sidewalk Sweepers	R	\$	-	\$	-	\$	200,000	\$	-	
Loader Mounted Snowblower	R	\$	-	\$	-	\$	75,000	\$	-	
Vactor Truck	R	\$	-	\$	-	\$	-	\$	-	
SUBTOTAL - Specialty Equipment (Sweepers, Flushers, Vactors etc)		\$	45,000	\$	400,000	\$	500,000	\$	290,000	
Zamboni										
Vehicle / Equipment Rebuilds	R	\$	85,000	\$	-	\$	85,000	\$	85,000	
Legislated Modifications to Fuel Storage Sites	R	\$	100,000	\$	100,000	\$	100,000	\$	100,000	
	N	\$	75,000	\$	-	\$	-	\$	-	
PROJECT COSTS		\$	2,669,000 ¹	\$	2,549,793	\$	2,787,790	\$	2,637,450	

Note 1 - Equipment & Vehicle Replacement Reserve Fund - Fleet.
 Note 2 - Please refer to the next page for a detailed list of vehicles/equipment that are planned to be replaced during 2015.



Fleet - Planned Replacements

UNIT #	DESCRIPTION	REPLACEMENT VALUE	EXPECTED LIFE CYCLE
	Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)		7 Years
	17 Light Duty Vehicles to be replaced	\$ 404,000	Note 1
	Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)		7 Years
S016	1997 GMC 3500 Flat Deck with Mobile Welder	\$ 45,000	
S886	1999 Ford F450	\$ 45,000	
S050	2005 Chevrolet 2500 Pickup	\$ 45,000	
S090	2003 Ford F250 Pickup	\$ 50,000	
S507	2003 Ford F250 Pickup (EZ Dumper)	\$ 35,000	
S520	2003 Ford F250 Crew Cab	\$ 35,000	
S552	2004 Ford F250 4x4 Pickup with plow	\$ 40,000	
S556	2003 Ford F250	\$ 35,000	
S029	2003 Ford E250 Van	\$ 35,000	
S066	2005 Chevrolet Express 3500 Van	\$ 45,000	
S080	2004 Ford E250 Van	\$ 45,000	
S096	2004 Ford E350 Van	\$ 45,000	
S486	2003 Ford E350 Van	\$ 45,000	
		\$ 545,000	
	Heavy Duty Trucks (Equipped for Winter Control)		10 Years
S131	1995 GMC Top Kick Dump/Plow/Wing	\$ 225,000	
S604	2003 International 7400	\$ 225,000	
S605	2003 International 7400	\$ 225,000	
S606	2003 International 7400	\$ 225,000	
S133	1996 GMC Top Kick Dump/Plow/Wing	\$ 225,000	
		\$ 1,125,000	
	Heavy Duty Equipment (Graders, Loaders, Backhoes, etc)		12 Years
S236	2002 Trackless MT5T - Deep Reduction	\$ 150,000	
S237	2002 Trackless MT5T	\$ 140,000	
		\$ 290,000	
	Specialty Equipment (Sweepers, Flushers, Vactors, etc)		15 years
R252	1980 Compaire 160 CFM	\$ 15,000	
R525	1991 Lerol Dresser 175DJE	\$ 15,000	
R530	1997 Ingersoll Rand Compressor	\$ 15,000	
		\$ 45,000	
Zamboni			
R965	2002 Zamboni 520 Front Dump	\$ 85,000	12 years
Other			
Legislated Fuel Site Modifications		\$ 75,000	Legislated
Vehicle/Equipment Rebuilds		\$ 100,000	Extends life of existing units
	Total Funds for Fleet Capital - 2015	\$ 2,669,000	

Note 1 - A total of 17 light duty vehicles will be replaced during 2015. Vehicles assigned to operating departments are transferred to the "retired fleet pool (corporate fleet)". Fleet management determines actual replacements in the spring based on worst condition from the "retired fleet pool".



Unfunded Capital Projects

Fleet

PROJECT DESCRIPTION	PROJECT TYPE	COST
	R (Renewal)	
Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)	R	\$ 2,029,000
Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)	R	\$ 2,114,627
Heavy Duty Trucks (Not Equipped for Winter Control)	R	\$ 2,050,000
Heavy Duty Trucks (Equipped for Winter Control)	R	\$ 1,950,000
Heavy Duty Equipment (Graders, Loaders, Backhoes etc)	R	\$ 2,965,000
Speciality Equipment (Sweepers, Flushers, Vactors etc)	R	\$ 595,000
Zamboni and Ice Surfacing Equipment	R	\$ 340,000
Trailers	R	\$ 131,500
TOTAL UNFUNDED PROJECTS		\$ 12,175,127

Note - List above reflects the vehicles and equipment that are required to be replaced over the next five years, however are unfunded based on existing funding levels.

The estimated annual funding required to replace vehicles and equipment is approximately \$3.9 M (based on replacement value). Based on the current size of fleet and the estimated replacement value, the 2015 annual funding shortfall is approximately \$1.5 M.



Transit

PROJECT DESCRIPTION	PROJECT TYPE	2015 APPROVED	2016 OUTLOOK	2017 OUTLOOK	2018 OUTLOOK	2019 OUTLOOK
	R (Renewal) E (Expansion) N (New)					
Transit						
Bus Replacements	R	\$ 2,359,112 ¹	\$ 2,249,326	\$ 772,268	\$ -	\$ -
Bus Rebuilds	R	\$ 53,060	\$ 44,939	\$ 36,655	\$ 70,912	\$ 55,328
Bus Shelters (Contribution to Reserve Fund)	E	\$ 15,482	\$ 26,930	\$ 26,930	\$ 26,930	\$ 26,930
Licence Fees (Bus Passenger Counters)	E	\$ 15,000	\$ -	\$ -	\$ -	\$ -
Garage Improvements (Transit and Fleet Garage)	E	\$ 87,500 ²	\$ 87,500	\$ -	\$ -	\$ -
Transit Wayfinding (Signage)	N	\$ 50,000	\$ -	\$ -	\$ -	\$ -
Transit Route Option - St. Gabriel's Villa	E	\$ 18,906 ¹	\$ 77,710	\$ 79,264	\$ -	\$ -
Service Truck	R	\$ -	\$ -	\$ -	\$ 34,494	\$ 52,725
Vans	R	\$ -	\$ -	\$ -	\$ (12,149)	\$ (12,392)
Capital Envelope Reduction	R	\$ -	\$ (11,677)	\$ (11,910)	\$ -	\$ -
PROJECT COSTS		\$ 2,599,060	\$ 2,474,728	\$ 903,207	\$ 120,187	\$ 122,591
PROJECT FINANCING						
Reserves: Capital		\$ (57,787)	\$ (109,883)	\$ (13,108)	\$ -	\$ -
Reserves Obligatory: Provincial Gas Tax		\$ (2,378,018)	\$ (2,249,326)	\$ (772,268)	\$ -	\$ -
CAPITAL ENVELOPE (Tax Levy)		\$ 163,255	\$ 115,520	\$ 117,831	\$ 120,187	\$ 122,591

Notes:

- 1 - Provincial Gas Tax Reserve Fund
- 2 - Capital Financing Reserve Fund - Transit - \$57,787

Priority Setting:

There is a Transit long term financial plan for a 20 year period which is based on the estimated lifecycle of transit buses and need for replacement of other assets. The Capital Budget is prepared in accordance with this plan to ensure fiscal sustainability and excludes any future replacements/repairs to Transit/Fleet Garage at 1160 Lorne Street. Staff will update the plan and present to Council in 2015.