

Appendix C
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between October 1, 2017 & March 31, 2018

Note - For all projects below, transfers have been completed in accordance with the Capital Budget Policy and variances greater than \$50,000 have been explained.

Division	Project Description	Year Started	Total Original Budget	Final Cost	Variance	Notes
Growth & Infrastructure						
Roads	Roads Contingency					
	2014 Capital Budget	2014	1,267,352	762,572	504,780	1
	Various Subdivisions					
	2015 Capital Budget	2015	2,000,000	1,043,781	956,219	2
	Traffic System Improvements					
	2016 Capital Budget	2016	500,000	199,110	300,890	3
	Various Subdivisions					
	2016 Capital Budget	2016	1,000,000	715,244	284,756	4
	Gutcher Avenue from Mary Street to Lorne Street					
	2016 Capital Budget	2016	480,000	485,738	(5,738)	
	Roads Contingency					
	2016 Capital Budget	2016	500,000	87,365	412,635	5
	Sidewalk Plows					
	Resolution FA2016-43-A10	2017	310,000	331,647	(21,647)	
Drains	Property Acquisition					
	By-Law 2018-14	2017	230,000	230,000	-	

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Water	Second Avenue (Sudbury) Resolution CC2014-111	2017	700,000	709,245	(9,245)	
	Dundas Street 2016 Capital Budget	2016	225,000	199,252	25,748	
	Arvo Street 2016 Capital Budget	2016	525,000	754,155	(229,155)	6
	Well Building Upgrades 2012 Capital Budget	2012	200,000	119,632	80,368	7
Wastewater	Sanitary Sewer System Rehabilitation (Lining) and Repair 2014 Capital Budget 2015 Capital Budget	2014	200,000 1,125,000 <hr/> 1,325,000	1,413,621	(88,621)	8
	Garson Lagoon Garson Lagoon - 2010 Capital Budget Garson Lagoon - 2011 Capital Budget O'Neil Lift Station Upgrades - 2011 Capital Budget	2010	250,000 250,000 200,000 <hr/> 700,000	451,140	248,860	9
	Heino Road By-Law 2017-195	2017	390,000	399,105	(9,105)	
Community Development CD Facilities	Sudbury Community Arena Dehumidifiers 2016 Capital Budget	2016	200,000	187,889	12,111	
	MacKenzie Library Roof 2017 Capital Budget	2017	250,000	284,329	(34,329)	

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Transit	Replacement Buses		2,060,115			
	2016 Capital Budget		1,170,967			
	Insurance Proceeds	2016	<u>3,231,082</u>	3,209,614	21,468	
Community Safety						
EMS	Penless Technology					
	2007 Capital Budget		20,000			
	2008 Capital Budget		15,000			
	2009 Capital Budget		35,000			
	2010 Capital Budget		<u>207,055</u>			
		2007	<u>277,055</u>	147,149	129,906	10
	Medical Equipment - Defibrillators x15					
	2016 Capital Budget	2016	511,268	469,338	41,930	
	Ambulance Type III					
	2017 Capital Budget		465,679			
	Insurance Proceeds		<u>178,041</u>			
		2017	<u>643,720</u>	617,741	25,980	
Corporate Services						
Information Technology	VMWare Cluster Servers and Licensing (Central Site)					
	2017 Capital Budget	2017	300,000	349,445	(49,445)	
Tom Davies Square	Brady Street Stair Repairs at Two Exit Doors					
	2015 Capital Budget	2015	160,000	270,564	(110,564)	11
Fleet	Tandem Multi-Function					
	2016 Capital Budget		1,000,000			
	2017 Capital Budget		1,000,000			
	Insurance Proceeds		<u>256,428</u>			
		2017	<u>2,256,428</u>	2,429,447	(173,019)	12

Division	Project Description	Year Started	Total Original Budget	Final Cost	Variance	Notes
	Garbage Packers 2017 Capital Budget	2017	800,000	628,573	171,427	13
	Fuel System Upgrade 2015 Capital Budget 2017 Capital Budget	2017	75,000 115,000 <hr/> 190,000	<hr/> 324,707	<hr/> (134,707)	14
Cancelled Projects						
Community Development						
Leisure Services	Tractor Attachment 2017 Capital Budget		40,000			15
	Yard Rakes 2017 Capital Budget		30,000			15
	Groomers 2017 Capital Budget		30,000			15
CD Facilities	Minnow Lake Place Roof Repairs 2017 Capital Budget		25,000			16
Transit	Pedestrian Crosswalk Upgrades to Terminal 2017 Capital Budget		25,000			17

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Corporate Services						
199 Larch Street	Elevator Machine Room Temperature Control 2017 Capital Budget		65,000			18
Tom Davies Square	Building Automation System Control Equipment Upgrade 2015 Capital Budget		125,000			19
	Air Quality Upgrades (190 & 200 Brady) - Design and Installation 2015 Capital Budget		50,000			20
	Electrical Systems - Distribution Audit and Review, Arc + Coord Study 2015 Capital Budget		30,000			21
	Spandrel Connection Review and Thermography for Exterior Walls 2016 Capital Budget		30,000			22
	Stair Repairs and Restoration Phase 2 2017 Capital Budget		150,000			23
Assets	Downtown Terminal - Door Upgrade and Replacement 2017 Capital Budget		200,000			24
	Stair Railings and Guards 2017 Capital Budget		15,000			25
Fleet	1 Ton Dump 2017 Capital Budget		100,000			26

Division	Project Description	Year Started	Total Original Budget	Final Cost	Variance	Notes
Notes						
						<p>Actual expenditures were lower than budgeted as the variance funds were transferred to fund overexpenditures in the following projects/accounts: Little Panache Lake Bridge (\$185K); Mary Court Garson (\$130K); MR 15 Bridge (\$121K); St. Nicholas (\$84K); Dollard (\$75K); Asphalt Consulting (\$55K); Normand Ave (\$52K); and various other projects. The actual expenses include the City's contribution for Maclsaac Road of \$237K which was funded from the proceeds of sale of Old Burwash Road (per City Council resolution #2010-188). Little Panache Lake Bridge work scope was increased due to additional steel column repairs identified during construction. Mary Court Garson work scope was increased due to site conditions determined during construction. MR15 Bridges work scope was increased during construction due to additional repairs identified during construction and this work is not complete. St Nicholas work scope was increased during construction that was identified to be completed in conjunction with School Board site plan work. Dollard Street original budget estimate was lower than final detailed design estimate and scope was increased during construction due to field conditions. Consultant fees for construction administration and inspection were higher than expected because the level of effort required was greater than anticipated. Normand Avenue work scope was increased due to existing asphalt thickness being less than anticipated.</p>
						<p>Actual expenditures were lower than budgeted due to the number of new subdivisions to receive surface asphalt was lower than expected.</p> <p>The surplus funds were transferred back to Capital Financing Reserve Fund - Roads uncommitted and available for funding of Roads capital projects as approved by Council in the future.</p>
						<p>Actual expenditures were lower than budgeted as portion of the budget were moved to fund deficits in 2015 Traffic System Improvements account (\$17K) as well as the Intelligent Transportation System (\$9K). The remaining surplus was combined with the 2017 budget account for Traffic System Improvements to fund related costs in future years.</p>
						<p>Actual expenditures were lower than budgeted due to the number of new subdivisions to receive surface asphalt was lower than expected.</p> <p>The surplus funds were transferred back to Capital Financing Reserve Fund - Roads uncommitted and available for funding of Roads capital projects as approved by Council in the future.</p>
						<p>Actual expenditures were lower than budgeted as the variance funds were used to fund a deficit in Riverside Bridge account (\$95K) and the remaining surplus was combined with the 2017 budget account for Roads Contingency to fund related costs in future years.</p>

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6	<p>Actual expenditures are higher than budgeted due to fact that the budgeted scope of work included a 2/3 resurfacing and 1/3 reconstruction of Arvo Avenue based on the anticipated pipe replacement work. During detailed design it was determined that the proposed sections to be resurfaced should instead be reconstructed to accommodate the pipe trenches and provide a better long term road structure. The additional costs to reconstruct the road were allocated to the watermain and sanitary sewer accounts accordingly. As well, there was additional watermain replacement required within the construction limits, in excess of the original budget estimate.</p> <p>The overexpenditure has been funded from the following projects: Lamothe Street (\$100K); Moonlight Avenue (\$85K); and MacLachlan Street (\$45K).</p>					
7	<p>Actual expenditures are lower than budgeted due to reduction in scope with the intention of requesting additional funding in future budgets to execute full extent of the scope.</p> <p>The underexpenditure has been used to fund overexpenditures in the following projects: Former Transit Depot Garage (\$200K) as per Finance & Administration Committee Report presented on July 11, 2017 in order to fund retrofits to the former Transit Depot Garage and Administration building to accommodate permanent storage requirements and temporary administration facilities; Onaping Wells (\$78K); as well as the 2017 Well Building Upgrades account (\$15K) which was offset by transfer of surplus funds from Ramsey Lake Outfall account (\$213K).</p>					
8	<p>Actual expenditures are higher than budgeted due to unanticipated excavation work required in certain locations to accommodate the lining process and subsequent reinstatement of those excavations.</p> <p>The overexpenditures has been funded from Consultant Sewer System (\$47K) and from Access Road (\$41K).</p>					
9	<p>The budget estimate was derived as part of the associated Environmental Assessment and was a high level estimate, which included for some significant unknowns. During the detailed design, the scope was reduced due to the elimination of some of the unknowns, which reduced the project costs. Also, at the time of tendering the price came in significantly lower.</p> <p>The surplus from the underexpenditures were transferred to fund overexpenditures in the following projects: Sudbury WWTP Headhouse project (\$45K); Heino Road (\$9.1K); with the remaining amount transferred to the Capital Financing Reserve Fund - Wastewater that can be used for future projects.</p>					
10	<p>Actual expenditures were lower than budgeted due to changing demand for penless technology within Paramedic Services and the ability to leverage a single technology provider to meet the Services on-going needs. Another contributing factor was the ability to negotiated favourable pricing with the existing vendor.</p> <p>The surplus was transferred to the Capital Financing Reserve Fund - Emergency Medical Services (EMS) Uncommitted that will be used for future EMS related capital projects when approved by Council.</p>					

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11	Actual expenditures were higher than budgeted due to site conditions (existing concrete deterioration) due to use of salt, and the base tender bid results came in over budget. The overexpenditure were funded from the following projects: Automation System (\$79K); Structural Report Repairs (\$15K); and Assets Contingency (\$15K).					
12	Actual expenditures were higher than budgeted due to price estimates/budgets which are largely based on purchase prices from previous years. Prices of heavy equipment are greatly influenced by the US dollar (USD) exchange rates and the most recent purchase of this type of unit was in 2015 when the USD conversion rate was \$1.25. When the units were tendered in 2017, the rate for the USD was approximately \$1.35, causing average truck prices to rise approximately 8%. The variance in this case was 7.6%. The overexpenditures were funded from the following projects: Fleet Management Software (\$70K); Wheel Loader (\$35K); Hybrid Cars (\$32K); Trackless MT5 (\$19K); Vans (\$6K); and various other projects.					
13	Actual expenditures were lower than budgeted due to the fact that price estimates and therefore budgets are largely based on purchase prices from previous years. In this case, no new Packers had been purchased since 2007 and the budgeted estimate tried to accommodate for the increase in market prices over 10 years. In this case the variance was well under budget. With this more recent price information, the 2018 and 2019 estimates versus actuals will be much more accurate. The underexpenditures were used to fund the following projects: Fuel System Upgrades (\$140K); and Trackless MT5 (\$7K) and remaining surplus to be distributed before the 2018 year end.					
14	Actual expenditures were higher than budgeted due to the fact that a fuel system failure at St. Clair site required an increase in project scope in order to satisfy operational and environmental concerns. The overexpenditures were funded from the Garbage Packers (\$140K) and offset by transfer to fund overexpenditures for Zamboni (\$4K).					
15	These projects were cancelled to fund the purchase of a Loader as the old Loader equipment failed, was no longer able to be repaired and presented potential safety issues with simply repairing. Loader is a essential piece of equipment to provide Park services.					

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16	<p>This project was cancelled to provide additional funding required for the Lively Citizen Service Centre Roof project and the Health & Safety Retrofits account. Roof repairs for the Minnow Lake Place is still required and will be included in a future budget request.</p> <p>The funds were used to fund overexpenditures in the following accounts: Lively Citizen Service Centre Roof (\$16K) and Health and Safety Retrofits (\$9K).</p>					
17	<p>The project was cancelled as these funds were not required to complete the work carried out by the Roads division.</p> <p>The funds were used to fund overexpenditures in the Transit Branding account.</p>					
18	<p>This project was cancelled as this work was completed and funded within an operating account.</p> <p>The funds will be used to fund anticipated overexpenditures in an HVAC account.</p>					
19	<p>This project was cancelled due to Occupational Health & Safety (OH&S) reasons with the three major construction projects on-going at TDS in 2017 & 2018, and that the current account has insufficient funds available to complete the scope. This work is still required, but will be prioritized with other mechanical work at TDS and included in a future budget.</p> <p>The funds were used to fund overexpenditures in the following accounts: Elevator Upgrades (\$46K); and Exterior Stairs (\$79K).</p>					
20	<p>Funds for this project was cancelled as costs for Air Quality were incurred within another existing account (with a portion of this budget transferred to fund those costs).</p> <p>The funds were used to fund overexpenditures in the Air Quality Upgrades account (\$12K) with the remainder transferred back to the Capital Financing Reserve Fund - Buildings which was used as funding for new projects in the 2018 Capital Budget as approved by Council.</p>					
21	<p>Funds for this project was cancelled due to the work being completed within another existing account (with a portion of this budget transferred to fund those costs).</p> <p>The funds were used to fund overexpenditures in the Electrical Distribution Harmonization account (\$17K) with the remainder transferred back to the Capital Financing Reserve Fund - Buildings which was used as funding for new projects in the 2018 Capital Budget as approved by Council.</p>					

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	Funds for this project was cancelled due to being completed within budget from a different existing account.					
22	The funds were transferred back to the Capital Financing Reserve Fund - Buildings which was used as funding for new projects in the 2018 Capital Budget as approved by Council.					
	This project is being reviewed and will be included in a future budget year. Additional funds were required for the on-going TDS Courtyard project and were required to be reallocated.					
23	The funds were transferred back to the Capital Financing Reserve Fund - Buildings, which was used as funding of additional funds for TDS courtyard in the 2018 Capital Budget as approved by Council.					
	The funds were not fully required as staff reviewed options for sliding and revolving doors, and decided upon replacement of existing sliding doors due to nature of patron flow. The work was completed within another existing account for the terminal (with a portion of this budget transferred to fund these costs).					
24	The funds were used to fund overexpenditures in the following accounts: Transit Terminal Improvements (\$39K to fund the reduced scope of door replacement); LEL Centre HVAC (\$32K); Elevator Upgrades (\$19K); Building Condition Assessments (\$12K); and various other projects. There was a remaining amount of \$85K that was transferred back to the Capital Financing Reserve Fund - Buildings that was used as funding for new projects in the 2018 Capital Budget as approved by Council.					
	The funding for this project was cancelled as the work was completed by the LEL operating department and funded within an existing operating account.					
25	The funds were used to fund overexpenditures in the Elevator Upgrades account.					
	This project was postponed until the 2018 Capital Budget to fund a potential deficit in 1/2 Ton Pickups. It was included in the 2018 Capital Budget approved by Council.					
26	The funds were used to fund overexpenditures in the following accounts: 1/2 Ton Pickups (\$50K); and 3/4 Ton Pickup Trucks (\$50K).					