

APPENDIX 'A'

#18041

Chair and Members
Civic Works Committee

March 19, 2018
(Award Contract)

RE: 2018 Infrastructure Renewal Program - Egerton Street and King Street Phase 1 Reconstruction Project
(Subledger WS15C00A)
Capital Project ES241418 - Sewer Infrastructure Lifecycle Renewal
Capital Project ES246418 - Combined Sewer Separation
Capital Project EW3624 - Burbrook Watermain Upgrade Ph II
Capital Project EW376518 - Water Infrastructure Lifecycle Renewal
Capital Project TS144618 - Road Networks Improvements
Capital Project TS173918 - Cycling Facilities
Capital Project TS301418 - Road Network Improvements (Local & Rural)
Capital Project TS406718 - Traffic Signals - Mtce
Capital Project TS512318 - Street Light Maintenance
Blue-Con Construction - \$5,799,999.00 (excluding H.S.T.)
Archibald, Gray & McKay Engineering Ltd. (AGM) - \$480,656.00 (excluding H.S.T.)

FINANCE & CORPORATE SERVICES REPORT ON THE SOURCES OF FINANCING:

Finance & Corporate Services confirms that the cost of this project can be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Managing Director, Environmental & Engineering Services & City Engineer, the detailed source of financing for this project is:

SUMMARY OF ESTIMATED EXPENDITURES	Approved Budget	Revised Budget	Committed to Date	This Submission	Balance for Future Work
<u>ES241418-Sewer Infrastructure Lifecycle Renewal</u>					
Engineering	\$1,728,809	\$1,728,809	\$5,000	\$156,517	\$1,567,292
Construction	10,297,079	10,297,079		1,771,648	8,525,431
Construction (PDC Portion) 2)		10,000		10,000	0
Construction (Utilities) 2)		651,031		651,031	0
City Related Expenses	15,000	15,000			15,000
	<u>12,040,888</u>	<u>12,701,919</u>	<u>5,000</u>	<u>2,589,196</u>	<u>10,107,723</u>
<u>ES246418-Combined Sewer Separation</u>					
Engineering	600,000	600,000		48,912	551,088
Construction	2,800,000	2,800,000	384,140	385,763	2,030,097
Construction (PDC Portion)	18,800	18,800	18,800		0
	<u>3,418,800</u>	<u>3,418,800</u>	<u>402,940</u>	<u>434,675</u>	<u>2,581,185</u>
<u>EW3624-Burbrook Watermain Upgrade Ph II</u>					
Engineering	297,910	275,371	275,371		0
Construction	4,382,728	4,395,048	3,769,175	625,873	0
City Related Expenses	19,362	29,581	29,581		0
	<u>4,700,000</u>	<u>4,700,000</u>	<u>4,074,127</u>	<u>625,873</u>	<u>0</u>
<u>EW376518-Water Infrastructure Lifecycle Renewal</u>					
Engineering	1,250,000	1,250,000		171,191	1,078,809
Construction	7,222,019	7,222,019	934,784	1,123,760	5,163,475
	<u>8,472,019</u>	<u>8,472,019</u>	<u>934,784</u>	<u>1,294,951</u>	<u>6,242,284</u>
<u>TS144618-Road Networks Improvements</u>					
Engineering	1,000,000	1,000,000		39,129	960,871
Construction	11,661,996	11,661,996		563,499	11,098,497
	<u>12,661,996</u>	<u>12,661,996</u>	<u>0</u>	<u>602,628</u>	<u>12,059,368</u>
<u>TS173918-Cycling Facilities</u>					
Engineering	100,000	100,000			100,000
Construction	682,850	682,850		117,923	564,927
	<u>782,850</u>	<u>782,850</u>	<u>0</u>	<u>117,923</u>	<u>664,927</u>
<u>TS301418-Road Network Improvements</u>					
Engineering	100,000	100,000		12,227	87,773
Construction	9,294,985	9,294,985	1,639,492	482,457	7,173,036
	<u>9,394,985</u>	<u>9,394,985</u>	<u>1,639,492</u>	<u>494,684</u>	<u>7,260,809</u>
<u>TS406718-Traffic Signals - Mtce</u>					
Engineering		92,262	43,350	48,912	0
Construction	3,970,995	3,878,733		118,491	3,760,242
	<u>3,970,995</u>	<u>3,970,995</u>	<u>43,350</u>	<u>167,403</u>	<u>3,760,242</u>
<u>TS512318-Street Light Maintenance</u>					
Engineering	100,000	100,000	14,450	12,227	73,323
Construction	2,312,498	2,210,738	8,120	40,176	2,162,442
Traffic Lights		101,760	101,760		0
	<u>2,412,498</u>	<u>2,412,498</u>	<u>124,330</u>	<u>52,403</u>	<u>2,235,765</u>
NET ESTIMATED EXPENDITURES	<u>\$57,855,031</u>	<u>\$58,516,062</u>	<u>\$7,224,023</u>	<u>\$6,379,736</u> 1)	<u>\$44,912,303</u>

SUMMARY OF FINANCING:

<u>ES241418-Sewer Infrastructure Lifecycle Renewal</u>					
Capital Sewer Rates	\$7,093,000	\$7,093,000			\$7,093,000
Drawdown from Sewage Works Reserve Fund	447,888	447,888			447,888
Federal Gas Tax	4,500,000	4,500,000	5,000	1,928,165	2,566,835
Cash Recovery from Property Owners (PDC Portion) 2)		10,000		10,000	0
Other Contributions (Utilities) 2)		651,031		651,031	0
	<u>12,040,888</u>	<u>12,701,919</u>	<u>5,000</u>	<u>2,589,196</u>	<u>10,107,723</u>
<u>ES246418-Combined Sewer Separation</u>					
Capital Sewer Rates	1,168,000	1,168,000	384,140	434,675	349,185
Drawdown from Sewage Works Reserve Fund	2,232,000	2,232,000			2,232,000
Cash Recovery from Property Owners (PDC Portion)	18,800	18,800	18,800		0
	<u>3,418,800</u>	<u>3,418,800</u>	<u>402,940</u>	<u>434,675</u>	<u>2,581,185</u>
<u>EW3624-Burbrook Watermain Upgrade Ph II</u>					
Drawdown from Capital Water Reserve Fund	4,700,000	4,700,000	4,074,127	625,873	0

APPENDIX 'A'

#18041

Chair and Members
Civic Works Committee

March 19, 2018
(Award Contract)

RE: 2018 Infrastructure Renewal Program - Egerton Street and King Street Phase 1 Reconstruction Project
(Subledger WS15C00A)
Capital Project ES241418 - Sewer Infrastructure Lifecycle Renewal
Capital Project ES246418 - Combined Sewer Separation
Capital Project EW3624 - Burbrook Watermain Upgrade Ph II
Capital Project EW376518 - Water Infrastructure Lifecycle Renewal
Capital Project TS144618 - Road Networks Improvements
Capital Project TS173918 - Cycling Facilities
Capital Project TS301418 - Road Network Improvements (Local & Rural)
Capital Project TS406718 - Traffic Signals - Mtce
Capital Project TS512318 - Street Light Maintenance
Blue-Con Construction - \$5,799,999.00 (excluding H.S.T.)
Archibald, Gray & McKay Engineering Ltd. (AGM) - \$480,656.00 (excluding H.S.T.)

	Approved Budget	Revised Budget	Committed to Date	This Submission	Balance for Future Work
SUMMARY OF FINANCING: (continued)					
EW376518-Water Infrastructure Lifecycle Renewal					
Capital Water Rates	6,502,100	6,502,100	934,784	1,294,951	4,272,365
Drawdown from Capital Water Reserve Fund	1,969,919	1,969,919			1,969,919
	<u>8,472,019</u>	<u>8,472,019</u>	<u>934,784</u>	<u>1,294,951</u>	<u>6,242,284</u>
TS144618-Road Networks Improvements					
Capital Levy	3,308,422	3,308,422		602,628	2,705,794
Debenture Quota 3)	847,844	847,844			847,844
Drawdown from Capital Infrastructure Gap R.F.	535,720	535,720			535,720
Federal Gas Tax	7,970,010	7,970,010			7,970,010
	<u>12,661,996</u>	<u>12,661,996</u>	<u>0</u>	<u>602,628</u>	<u>12,059,368</u>
TS173918-Cycling Facilities					
Capital Levy	391,425	391,425		58,961	332,464
Drawdown from City Services - Roads Reserve Fund (Development Charges) 4)	391,425	391,425		58,962	332,463
	<u>782,850</u>	<u>782,850</u>	<u>0</u>	<u>117,923</u>	<u>664,927</u>
TS301418-Road Network Improvements					
Capital Levy	8,993,195	8,993,195	1,639,492	494,684	6,859,019
Drawdown from Capital Infrastructure Gap R.F.	401,790	401,790			401,790
	<u>9,394,985</u>	<u>9,394,985</u>	<u>1,639,492</u>	<u>494,684</u>	<u>7,260,809</u>
TS406718-Traffic Signals - Mtce					
Capital Levy	3,837,065	3,837,065	43,350	167,403	3,626,312
Drawdown from Capital Infrastructure Gap R.F.	133,930	133,930			133,930
	<u>3,970,995</u>	<u>3,970,995</u>	<u>43,350</u>	<u>167,403</u>	<u>3,760,242</u>
TS512318-Street Light Maintenance					
Capital Levy	2,345,533	2,345,533	124,330	52,403	2,168,800
Drawdown from Capital Infrastructure Gap R.F.	66,965	66,965			66,965
	<u>2,412,498</u>	<u>2,412,498</u>	<u>124,330</u>	<u>52,403</u>	<u>2,235,765</u>
TOTAL FINANCING	<u>\$57,855,031</u>	<u>\$58,516,062</u>	<u>\$7,224,023</u>	<u>\$6,379,736</u>	<u>\$44,912,303</u>

1) Financial Note: (CONSTRUCTION)	Utilities				
	ES241418	ES241418	ES246418	EW3624	EW376518
Contract Price	\$1,750,834	\$651,031	\$379,091	\$615,048	\$1,104,324
Add: HST @13%	227,608	84,634	49,282	79,956	143,562
Total Contract Price Including Taxes	<u>1,978,442</u>	<u>735,665</u>	<u>428,373</u>	<u>695,004</u>	<u>1,247,886</u>
Less: HST Rebate	196,794	84,634	42,610	69,131	124,126
Net Contract Price	<u>\$1,781,648</u>	<u>\$651,031</u>	<u>\$385,763</u>	<u>\$625,873</u>	<u>\$1,123,760</u>

Financial Note (CONSTRUCTION continued)					
	TS144618	TS173918	TS301418	TS406718	TS512318
Contract Price	\$553,753	\$115,883	\$474,112	\$116,442	\$39,481
Add: HST @13%	71,988	15,065	61,635	15,137	5,133
Total Contract Price Including Taxes	<u>625,741</u>	<u>130,948</u>	<u>535,747</u>	<u>131,579</u>	<u>44,614</u>
Less: HST Rebate	62,242	13,025	53,290	13,088	4,438
Net Contract Price	<u>\$563,499</u>	<u>\$117,923</u>	<u>\$482,457</u>	<u>\$118,491</u>	<u>\$40,176</u>

Financial Note (CONSTRUCTION continued)					
	CONSTRUCTION TOTAL				
Contract Price	\$5,799,999				
Add: HST @13%	754,000				
Total Contract Price Including Taxes	<u>6,553,999</u>				
Less: HST Rebate	663,378				
Net Contract Price	<u>\$5,890,621</u>				

Financial Note: (ENGINEERING)					
	ES241418	ES246418	EW376518	TS144618	TS301418
Contract Price	\$153,810	\$48,066	\$168,230	\$38,452	\$12,016
Add: HST @13%	19,995	6,249	21,870	4,999	1,562
Total Contract Price Including Taxes	<u>173,805</u>	<u>54,315</u>	<u>190,100</u>	<u>43,451</u>	<u>13,578</u>
Less: HST Rebate	17,288	5,403	18,909	4,322	1,351
Net Contract Price	<u>\$156,517</u>	<u>\$48,912</u>	<u>\$171,191</u>	<u>\$39,129</u>	<u>\$12,227</u>

Financial Note (ENGINEERING continued)					
	ENGINEERING TOTAL				
Contract Price	\$480,656				
Add: HST @13%	62,486				
Total Contract Price Including Taxes	<u>543,142</u>				
Less: HST Rebate	54,027				

APPENDIX 'A'

#18041

Chair and Members
Civic Works Committee

March 19, 2018
(Award Contract)

**RE: 2018 Infrastructure Renewal Program - Egerton Street and King Street Phase 1 Reconstruction Project
(Subledger WS15C00A)**

- Capital Project ES241418 - Sewer Infrastructure Lifecycle Renewal
- Capital Project ES246418 - Combined Sewer Separation
- Capital Project EW3624 - Burbrook Watermain Upgrade Ph II
- Capital Project EW376518 - Water Infrastructure Lifecycle Renewal
- Capital Project TS144618 - Road Networks Improvements
- Capital Project TS173918 - Cycling Facilities
- Capital Project TS301418 - Road Network Improvements (Local & Rural)
- Capital Project TS406718 - Traffic Signals - Mtce
- Capital Project TS512318 - Street Light Maintenance
- Blue-Con Construction - \$5,799,999.00 (excluding H.S.T.)
- Archibald, Gray & McKay Engineering Ltd. (AGM) - \$480,656.00 (excluding H.S.T.)

Net Contract Price	\$48,912	\$12,227	\$489,115
TOTAL CONSTRUCTION & ENGINEERING			\$6,379,736

2) The expenditures have increased to accommodate the PDC (Private Drain Connections) funding, Bell Canada and London Hydro contribution towards this project.

NOTE TO CITY CLERK:

3) Administration hereby certifies that the estimated amounts payable in respect of this project does not exceed the annual financial debt and obligation limit for the Municipality of Municipal Affairs in accordance with the provisions of Ontario Regulation 403/02 made under the Municipal Act, and accordingly the City Clerk is hereby requested to prepare and introduce the necessary authorizing by-laws.

An authorizing by-law should be drafted to secure debenture financing for project TS144618 - Road Networks Improvements for the net amount to be debentured of \$847,844.00.

4) Development Charges have been utilized in accordance with the underlying legislation and the Development Charges Background Studies completed in 2014.

5) Additional annual operating costs of \$200 for Sewer Operations and \$9,180 - \$10,860 for Transportation Operations, attributed to new infrastructure installation.

JG

Jason Davies
Manager of Financial Planning & Policy