

# Appendix 5 – Capital Forecast Summary 2012-2021

Business Plan & Budget Book 2012-2014

## 2012 - 2021 City Wide Capital Budget - Recommended Funding Summary

(\$000's)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Gross Cost</b>	156,331	267,978	199,255	170,710	251,443	247,020	216,446	204,687	184,558	200,556	<b>2,098,985</b>
<b>Recovery/Subsidy</b>	8,051	15,247	2,735	4,138	122	0	0	0	1,245	2,000	<b>33,538</b>
<b>Net Cost</b>	<b>148,280</b>	<b>252,731</b>	<b>196,520</b>	<b>166,572</b>	<b>251,321</b>	<b>247,020</b>	<b>216,446</b>	<b>204,687</b>	<b>183,313</b>	<b>198,556</b>	<b>2,065,447</b>
<b>Net Cost Funding Sources</b>											
Tax	84,697	575	47,422	37,713	41,611	45,239	47,834	51,079	54,255	58,442	<b>468,867</b>
Reserves	750	800	250	0	0	0	0	250	0	0	<b>2,050</b>
Federal Contributions	5,790	34,873	14,727	27,238	64,382	54,190	45,367	34,253	29,853	28,617	<b>339,289</b>
Provincial Contributions	11,257	4,800	0	0	0	0	0	0	0	0	<b>16,057</b>
External Debt	20,735	78,661	31,464	40,352	36,872	34,393	31,642	28,419	24,612	20,830	<b>347,981</b>
Contributions	4,063	33,962	13,557	12,144	15,789	10,636	17,822	11,458	11,872	17,822	<b>149,126</b>
Developer Charges	20,988	46,060	62,100	21,125	50,667	70,563	43,781	40,229	38,721	32,845	<b>427,078</b>
Capital Reductions	0	53,000	27,000	28,000	42,000	32,000	30,000	39,000	24,000	40,000	<b>315,000</b>
<b>Total Funding Sources</b>	<b>148,280</b>	<b>252,731</b>	<b>196,520</b>	<b>166,572</b>	<b>251,321</b>	<b>247,020</b>	<b>216,446</b>	<b>204,687</b>	<b>183,313</b>	<b>198,556</b>	<b>2,065,447</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### 2012 - 2021 City Wide Capital Budget Gross Capital Recommended Funding Summary (\$000's)

Service	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Roads, Storm Drainage &amp; Watercourses</b>											
Bridge & Structure Rehabilitation	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	<b>45,000</b>
Major Roads	5,625	11,755	10,405	1,045	20,645	40,837	21,677	15,225	8,683	13,995	<b>149,892</b>
Other Engineering	32,113	63,098	21,545	16,976	30,212	32,013	15,758	16,463	18,711	11,328	<b>258,219</b>
Roadway Rehabilitation	14,774	16,224	23,900	24,450	23,900	23,850	24,500	23,850	23,900	24,450	<b>223,798</b>
Storm Drainage	9,900	7,290	29,790	8,920	3,310	5,433	5,960	10,150	6,770	6,290	<b>93,813</b>
<b>Total - Roads, Storm Drainage and Watercourses</b>	<b>66,912</b>	<b>102,867</b>	<b>90,140</b>	<b>55,891</b>	<b>82,567</b>	<b>106,633</b>	<b>72,395</b>	<b>70,188</b>	<b>62,564</b>	<b>60,563</b>	<b>770,722</b>
<b>Fire &amp; Emergency Services</b>											
Stations & Auxiliary Buildings	1,330	3,578	5,740	4,292	5,352	4,036	1,272	0	0	45	<b>25,645</b>
Vehicles & Equipment	3,452	4,456	3,472	5,353	2,789	1,402	2,425	3,848	3,646	4,522	<b>35,365</b>
<b>Total - Fire &amp; Emergency Services</b>	<b>4,782</b>	<b>8,034</b>	<b>9,212</b>	<b>9,645</b>	<b>8,141</b>	<b>5,438</b>	<b>3,697</b>	<b>3,848</b>	<b>3,646</b>	<b>4,567</b>	<b>61,010</b>
<b>Mississauga Transit</b>											
Buildings	40	40	2,640	10,040	30,040	20,040	40	40	40	40	<b>63,000</b>
Buses	3,668	19,764	14,018	19,783	20,629	21,054	28,387	17,173	32,773	28,427	<b>205,676</b>
Higher Order Transit	34,408	44,565	8	0	0	0	0	0	0	0	<b>78,981</b>
On-street Facilities	325	375	190	140	20,290	20,275	20,275	20,240	140	140	<b>82,390</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### 2012 - 2021 City Wide Capital Budget Gross Capital Recommended Funding Summary (\$000's)

Service	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Other Transit	1,900	1,600	0	2,100	2,500	100	0	100	0	100	<b>8,400</b>
Vehicles and Equipment	855	750	460	640	1,280	715	720	415	675	355	<b>6,865</b>
<b>Total - Mississauga Transit</b>	<b>41,196</b>	<b>67,094</b>	<b>17,316</b>	<b>32,703</b>	<b>74,739</b>	<b>62,184</b>	<b>49,422</b>	<b>37,968</b>	<b>33,628</b>	<b>29,062</b>	<b>445,312</b>
<b>Recreation &amp; Parks</b>											
City Wide Facilities	5,024	9,924	12,395	6,482	4,727	8,704	8,441	4,525	5,702	4,663	<b>70,587</b>
City Wide Recreation	460	6,471	11,200	9,512	8,729	7,094	8,543	0	0	8,000	<b>60,009</b>
Facility Renovations & Rehabilitation	438	438	438	438	438	438	438	438	438	438	<b>4,380</b>
Park Facility Installation	1,012	1,180	0	230	1,295	564	0	1,604	0	0	<b>5,885</b>
Park Redevelopment	2,964	1,766	2,607	1,854	1,708	1,657	2,146	2,465	1,386	2,883	<b>21,436</b>
Parkland Acquisition	0	27,315	6,500	3,500	10,344	5,000	10,000	10,000	10,700	9,000	<b>92,359</b>
Parkland Development	318	863	1,882	327	2,858	2,866	3,946	2,072	8,240	8,823	<b>32,194</b>
Parks Maintenance	1,064	738	598	943	487	522	539	882	591	526	<b>6,890</b>
Sports Field Maintenance	623	873	1,780	593	444	392	1,242	322	393	1,441	<b>8,103</b>
Urban Forestry	1,848	1,672	1,784	1,672	1,784	1,672	1,784	1,672	1,784	1,672	<b>17,344</b>
Vehicles, Equipment	1,762	1,382	1,217	1,007	1,187	1,010	1,017	967	1,257	967	<b>11,773</b>
<b>Total - Recreation &amp; Parks</b>	<b>15,513</b>	<b>52,622</b>	<b>40,402</b>	<b>26,557</b>	<b>34,001</b>	<b>29,919</b>	<b>38,096</b>	<b>24,947</b>	<b>30,491</b>	<b>38,413</b>	<b>330,960</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### 2012 - 2021 City Wide Capital Budget Gross Capital Recommended Funding Summary (\$000's)

Service	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Library Services</b>											
Buildings	261	3,367	2,946	52	2,112	848	891	62	65	75	<b>10,678</b>
Materials & Equipment	331	777	1,016	1,071	726	126	126	576	595	1,160	<b>6,501</b>
<b>Total - Library Services</b>	<b>592</b>	<b>4,144</b>	<b>3,962</b>	<b>1,122</b>	<b>2,837</b>	<b>973</b>	<b>1,016</b>	<b>637</b>	<b>660</b>	<b>1,235</b>	<b>17,178</b>
<b>Land Development Services</b>											
Policy Planning	538	239	47	0	0	0	0	0	0	0	<b>824</b>
<b>Total - Land Development Services</b>	<b>538</b>	<b>239</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>824</b>
<b>Legislative Services</b>											
Office of the City Clerk	14	39	0	0	0	0	0	0	0	0	<b>53</b>
Print Shop	36	25	155	7	10	53	30	48	140	56	<b>560</b>
<b>Total - Legislative Services</b>	<b>50</b>	<b>64</b>	<b>155</b>	<b>7</b>	<b>10</b>	<b>53</b>	<b>30</b>	<b>48</b>	<b>140</b>	<b>56</b>	<b>613</b>
<b>Arts &amp; Culture</b>											
Buildings	83	433	6,333	9,233	2,483	2,083	83	833	3,083	3,083	<b>27,730</b>
Materials & Equipment	228	258	258	228	218	218	218	218	218	218	<b>2,280</b>
<b>Total - Arts &amp; Culture</b>	<b>311</b>	<b>691</b>	<b>6,591</b>	<b>9,461</b>	<b>2,701</b>	<b>2,301</b>	<b>301</b>	<b>1,051</b>	<b>3,301</b>	<b>3,301</b>	<b>30,010</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### 2012 - 2021 City Wide Capital Budget Gross Capital Recommended Funding Summary (\$000's)

Service	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Regulatory Services</b>											
Vehicles, Equipment and Other	100	270	33	0	0	33	0	0	33	0	469
<b>Total - Regulatory Services</b>	<b>100</b>	<b>270</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>469</b>
<b>Facilities &amp; Property Management</b>											
Capital Construction & Improvement	919	500	500	500	2,000	4,000	10,500	10,500	3,420	3,658	36,497
Facility Services	530	747	756	719	722	726	729	715	739	732	7,115
Lifecycle Maintenance	11,271	11,976	21,559	24,897	35,204	22,319	30,251	46,059	37,746	49,959	291,240
Space Planning	2,361	780	780	480	442	780	780	780	777	780	8,740
Vehicles & Equipment	117	42	39	42	78	50	43	50	51	48	560
<b>Total - Corporate Assets</b>	<b>15,198</b>	<b>14,045</b>	<b>23,633</b>	<b>26,638</b>	<b>38,446</b>	<b>27,874</b>	<b>42,303</b>	<b>58,104</b>	<b>42,733</b>	<b>55,177</b>	<b>344,152</b>
<b>Strategic Policy</b>											
Strategic Community Initiatives	1,596	7,159	600	0	0	0	0	0	0	0	9,355
<b>Total - Strategic Policy</b>	<b>1,596</b>	<b>7,159</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,355</b>
<b>Information Technology</b>											
Applications	2,145	2,786	2,125	5,066	5,437	7,998	4,422	4,907	4,994	4,793	44,673
Infrastructure	5,350	4,575	3,110	2,010	1,550	2,250	2,650	1,925	1,280	2,250	26,950
PC Replacement & Peripherals	886	1,153	819	896	1,000	1,050	1,000	1,050	1,075	1,125	10,055
<b>Total - Information Technology</b>	<b>8,381</b>	<b>8,514</b>	<b>6,054</b>	<b>7,972</b>	<b>7,987</b>	<b>11,298</b>	<b>8,072</b>	<b>7,882</b>	<b>7,349</b>	<b>8,168</b>	<b>81,679</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### 2012 - 2021 City Wide Capital Budget Gross Capital Recommended Funding Summary

(\$000's)

Service	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Business Services</b>											
Finance	600	1,100	300	700	0	300	1,100	0	0	0	<b>4,100</b>
Communications	0	440	420	0	0	0	0	0	0	0	<b>860</b>
Revenue and Materials Management	563	695	390	14	14	14	14	14	14	14	<b>1,741</b>
<b>Total - Business Services</b>	<b>1,163</b>	<b>2,235</b>	<b>1,110</b>	<b>714</b>	<b>14</b>	<b>314</b>	<b>1,114</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>6,701</b>
<b>Total City</b>	<b>156,331</b>	<b>267,978</b>	<b>199,255</b>	<b>170,710</b>	<b>251,443</b>	<b>247,020</b>	<b>216,446</b>	<b>204,687</b>	<b>184,558</b>	<b>200,556</b>	<b>2,098,985</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

Roads, Storm Drainage and Watercourses  
 2012 - 2021 Net Capital Expenditures By Program  
 (000's)

Roads, Storm Drainage and Watercourses	2012 Budget	2013 Budget	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Bridge and Structure Rehabilitation	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	45,000
Major Roads	5,625	11,755	10,405	1,045	20,645	40,837	21,677	15,225	8,683	13,995	149,892
Other Engineering	32,113	48,098	21,545	16,976	30,212	32,013	15,758	16,463	18,711	11,328	243,219
Roadway Rehabilitation	14,774	16,224	23,900	24,450	23,900	23,850	24,500	23,850	23,900	24,450	223,798
Storm Drainage	9,900	7,290	29,790	8,920	3,310	5,433	5,960	10,150	6,770	6,290	93,813
<b>Total Net Expenditures</b>	<b>66,912</b>	<b>87,867</b>	<b>90,140</b>	<b>55,891</b>	<b>82,567</b>	<b>106,633</b>	<b>72,395</b>	<b>70,188</b>	<b>62,564</b>	<b>60,563</b>	<b>755,722</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Bridges & Structure Rehabilitation	2012 Budget	2013 Budget	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Bridge and Structure Rehabilitation	4,200	3,900	3,200	0	1,000	100	0	0	0	0	12,400
Bridge Repairs	100	400	1,100	4,100	3,300	4,200	4,300	4,100	4,300	4,300	30,200
Bridge and Culvert Appraisal & Improvement Priority	0	0	0	200	0	0	0	200	0	0	400
Inspection & Design	200	200	200	200	200	200	200	200	200	200	2,000
<b>Total Net Expenditures</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>4,500</b>	<b>45,000</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Bridge and Structure Rehabilitation

##### Bridge & Structure Rehabilitation

Year	Project	Pavement	Deck	Girders	Sub Structure	Expansion Joints	Sidewalk	Handrail	Other	Net Cost ('000's)
2012	Donnelly Drive Over Mary Fix Creek	X							X	80
2012	Dundas Street East over Cooksville Creek	X			X		X	X	X	4,000
2012	Meadow Wood Road Over Sheridan Creek Tributary	X							X	120
2013	Barbertown Road over Carolyn Creek	X							X	400
2013	Birchwood Drive over East Branch of Birchwood Creek	X							X	300
2013	Burnhamthorpe Road West over Pedestrian Trail	X			X		X	X	X	700
2013	CNR Rail (Metro Linx) Goreway Drive	X			X		X	X	X	800
2013	Dundas Street West over Loyalist Creek	X							X	900
2013	Mineola Road West over Mary Fix Creek	X	X				X		X	300
2013	Pedestrian Overpass Ogden Avenue to North Service Road	X	X	X	X	X		X	X	500
2014	Paisley Boulevard East over Cooksville Creek	X					X	X	X	1,700
2014	Pinetree Cres over Stavebank Creek	X							X	200
2014	Second Line West over Fletchers Creek	X							X	1,300
2016	Bloor Street over East Etobicoke Creek	X	X	X	X	X	X	X	X	1,000
2017	King Street East over Cooksville Creek	X	X				X	X	X	100
<b>Total</b>										<b>12,400</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Bridge and Structure Rehabilitation

##### Bridge Repairs

Year	Project	Description	Net Cost ('000's)
2012	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	100
2013	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	400
2014	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	1,100
2015	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	4,100
2016	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	3,300
2017	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	4,200
2018	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	4,300
2019	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	4,100
2020	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	4,300
2021	Bridge Repairs	Funding for bridge repairs that are determined during the yearly appraisal	4,300
<b>Total</b>			<b>30,200</b>

##### Bridge/Culvert Appraisal & Improvement Priority

Year	Project	Description	Net Cost ('000's)
2015	Bridge/Culvert Appraisal & Improvement Priority	Funding for bridge repairs that are determined during the yearly appraisal	200
2019	Bridge/Culvert Appraisal & Improvement Priority	Funding for bridge repairs that are determined during the yearly appraisal	200
<b>Total</b>			<b>400</b>

##### Inspection & Design

Year	Project	Description	Net Cost ('000's)
2012	Inspection & Design	Design and inspection costs to carry out the required bridge repairs	200
2013	Inspection & Design	Design and inspection costs to carry out the required bridge repairs	200
2014	Inspection & Design	Design and inspection costs to carry out the required bridge repairs	200
2015 - 2021	Inspection & Design	Design and inspection costs to carry out the required bridge repairs	1,400
<b>Total</b>			<b>2,000</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

Roads, Storm Drainage and Watercourses  
 2012 - 2021 Net Capital Expenditures By Sub-Program  
 (000's)

Major Roads	2012 Budget	2013 Budget	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Grade Separation	0	0	0	0	0	8,000	6,000	5,000	0	0	19,000
Intersection Improvements	495	495	495	495	495	495	495	495	495	495	4,950
Road Improvements	5,130	11,260	9,910	550	20,150	32,342	15,182	9,730	8,188	13,500	125,942
<b>Total Net Expenditures</b>	<b>5,625</b>	<b>11,755</b>	<b>10,405</b>	<b>1,045</b>	<b>20,645</b>	<b>40,837</b>	<b>21,677</b>	<b>15,225</b>	<b>8,683</b>	<b>13,995</b>	<b>149,892</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Major Roads

##### Grade Separation

Year	Project	Description	Net Cost ('000's)
2017	Grade Separation	Drew Road Grade Separation - Phase One	8,000
2018	Grade Separation	Drew Road Grade Separation - Phase Two	6,000
2019	Grade Separation	Ninth Line/Tenth Line Grade Separation	5,000
<b>Total</b>			<b>19,000</b>

##### Intersection Improvements

Year	Project	Description	Net Cost ('000's)
2012	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2013	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2014	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2015	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2016	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2017	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2018	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2019	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2020	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
2021	Intersection Improvements	Funding to improve operation deficiencies of intersections throughout the City	495
<b>Total</b>			<b>4,950</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Major Roads

#### Road Improvements - 2015 to 2021

Year	Project	Description	Net Cost ('000's)
2015	Road Improvements	Preliminary Engineering Studies	100
2015	Road Improvements	Sheridan Park Drive - West Leg Speakman to East Leg Speakman	250
2015	Road Improvements	Transportation Master Plan Study	200
2016	Road Improvements	Belgrave Drive from Cantay Road to North Terminus and Highway 401	250
2016	Road Improvements	Burnhamthorpe Road - Hurontario Street to Confederation Parkway	12,500
2016	Road Improvements	City Centre Drive from Duke of York to Kariya Gate	150
2016	Road Improvements	Drew Road - Dixie Road to Tomken Road Design	500
2016	Road Improvements	Drew Road - From 660m East of Torbram Road to Airport Road	1,350
2016	Road Improvements	Drew Road Widening - Torbram Road to 660m Easterly	1,790
2016	Road Improvements	Highway 401 Westbound Off Ramp - Highway 401 to Enterprise Road	3,510
2016	Road Improvements	Preliminary Engineering Studies	100
2017	Road Improvements	Belgrave Drive from Cantay Road to North Terminus and Highway 401	1,560
2017	Road Improvements	Britannia Road Extension - Burnside Court to Britannia Terminus	150
2017	Road Improvements	Burnhamthorpe Road - Confederation Parkway to Mavis Road	17,500
2017	Road Improvements	Creekbank Road Extension - Enterprise Road to Shawson Drive	1,348
2017	Road Improvements	Creekbank Road Extension - Shawson Drive to Britannia Road East	1,018
2017	Road Improvements	Drew Road - Dixie Road to Tomken Road - Phase 1	6,000
2017	Road Improvements	Highway 401 Eastbound Ramp Extension - Mavis Road to Belgrave Drive	2,110

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Major Roads

#### Road Improvements - 2015 to 2021

Year	Project	Description	Net Cost ('000's)
2017	Road Improvements	Preliminary Engineering Studies	100
2017	Road Improvements	Sheridan Park Drive - West Leg Speakman to East Leg Speakman	2,556
2018	Road Improvements	Courtneypark Drive East - Tomken Road to Dixie Road	3,770
2018	Road Improvements	Creekbank Road Extension - Highway 401 Bridge to Enterprise Road	2,362
2018	Road Improvements	Drew Road - Dixie Road to Tomken Road - Phase 2	8,500
2018	Road Improvements	Edwards Boulevard Extension to Highway 407	450
2018	Road Improvements	Preliminary Engineering Studies	100
2019	Road Improvements	Centreview Drive Widening - Duke of York to Rathburn Road West	1,270
2019	Road Improvements	Creditview Road - Argentia Road to Old Creditview Road (Including Creditview Road Bridge)	6,430
2019	Road Improvements	DCA Study (Major Roads)	200
2019	Road Improvements	Edwards Boulevard Extension - North of Topflight Drive to Highway 10/Highway 407	1,280
2019	Road Improvements	Mavis Road - 220m North of tracks to Burnhamthorpe Road	250
2019	Road Improvements	Official Plan Study	200
2019	Road Improvements	Preliminary Engineering Studies	100
2020	Road Improvements	Burnhamthorpe Road East from Cawthra Road to Dixie Road	400
2020	Road Improvements	Dundas Street West Widening - Winston Churchill Boulevard to Glen Erin	400
2020	Road Improvements	Hurontario Ramp Terminal - Highway 401 to Britannia Road	400
2020	Road Improvements	Mavis Road - 220m North of tracks to Burnhamthorpe Road	3,130
2020	Road Improvements	Ninth Line Widening - Eglinton Avenue West to Britannia Road West	400
2020	Road Improvements	Preliminary Engineering Studies	100

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Major Roads

##### Road Improvements - 2015 to 2021

Year	Project	Description	Net Cost ('000's)
2020	Road Improvements	Tenth Line West Widening - Derry Road to Argentinia Road	400
2020	Road Improvements	Whittle Road - Britannia Road to Matheson Boulevard	2,958
2021	Road Improvements	Dundas Street West - Winston Churchill Boulevard to Glen Erin Drive	4,390
2021	Road Improvements	Ninth Line Widening - Eglinton Avenue West to Britannia Road West	9,010
2021	Road Improvements	Preliminary Engineering Studies	100
<b>Total</b>	<b>2015 to 2021</b>		<b>99,642</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Major Roads

#### Road Improvements - 2012 to 2014 Detail

Year	Project	Activity	Reconstruct /Widen	New Road	Streetscaping	# Through Lanes	Intersection Improvements	Traffic Signals	Streetlighting	Storm Sewer	Sidewalk	Other	Net Cost ('000's)
2012	Creebank Road, Matheson Boulevard East to North Limit of Creebank	Construct	X		X	4			X	X	X	X	780
2012	Creebank Road Extension North Limit of Creebank to South Highway 401	Construct		X	X	4			X	X	X	X	930
2012	Dundas Street West/Ninth Line West - Phase 1	Construct	X		X	6	X		X			X	1,000
2012	Derrycrest - Derry Road West to Hurontario Street	Construct			X	X	4	X	X	X	X	X	1,520
2012	Second Line over Highway 401 - Pedestrian Bridge	Design											200
2012	Downtown - Transportation Functional Design	Study											200
2012	John Street from Hurontario Street to Parking Lot GO Station	Study											200
2012	Creditview Road - Argentia Road to Old Creditview Road (Including Creditview Road Bridge)	Study											300
2013	Dundas Street West/Ninth Line West - Phase 2	Construct	X		X	6	X		X			X	1,000
2013	Second Line over Highway 401 - Pedestrian Bridge Piers	Construct										X	1,000
2013	Ninth Line Widening - Derry Road to North Limit - Phase 1	Construct	X		X	4	X		X		X	X	4,700
2013	McLaughlin Road Bristol Road to Britannia Road West	Design/Construct	X		X	4	X		X		X	X	4,260
2013	Preliminary Engineering Studies	Study											100
2013	Square One Drive from Confederation Parkway to Rathburn Road West	Study											200
2014	Main Street (Baif Road) - Burnhamthorpe Road West to Webb Drive	Construct		X	X	2	X	X	X	X	X	X	500
2014	Courtneypark Drive - Kennedy Road to Tomken Road	Construct	X		X	6			X		X	X	4,210

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Major Roads

#### Road Improvements - 2012 to 2014 Detail

Year	Project	Activity	Reconstruct /Widen	New Road	Streetscaping	# Through Lanes	Intersection Improvements	Traffic Signals	Streetlighting	Storm Sewer	Sidewalk	Other	Net Cost ('000's)
2014	Ninth Line Widening - Derry Road to North Limit - Phase 2	Construct	X		X	4	X		X		X	X	4,700
2014	Preliminary Engineering Studies	Study											100
2014	DCAS Study (Major Roads)	Study											200
2014	Official Plan Study	Study											200
<b>Total</b>	<b>2012 to 2014</b>												<b>26,300</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses 2012 - 2021 Net Capital Expenditures By Sub-Program (000's)

Other Engineering	2012 Budget	2013 Budget	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Cycling Program	150	1,920	2,150	3,920	3,920	3,920	3,920	3,920	3,920	3,920	31,660
Facility Repairs - Works	0	20	20	20	20	20	20	20	20	20	180
New Vehicles & Equipment	195	195	600	195	195	195	195	195	195	195	2,355
Noise Wall Program	800	625	1,425	600	600	600	600	600	1,200	500	7,550
Parking - Municipal	298	15,460	160	0	0	0	0	0	0	0	15,918
Property Acquisition	0	0	0	3,310	17,300	8,910	2,470	5,440	620	0	38,050
Salt Management Program	2,550	50	7,150	50	50	5,450	50	50	50	50	15,500
Sidewalks	1,444	2,000	2,000	1,023	1,023	257	257	257	257	257	8,775
Specialized Equipment	0	166	50	50	50	50	50	50	50	50	566
Streetlighting	19,417	18,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	49,167
Streetscape	750	750	0	0	0	0	0	0	0	0	1,500
Survey Equipment and Control	295	35	35	35	35	35	35	35	35	35	610
Topographical Updating	45	45	145	45	45	45	155	45	45	45	660
Traffic Signals	3,192	4,492	2,492	2,492	2,492	2,492	3,992	2,492	2,492	2,492	29,115
Vehicle & Equipment Replacement	2,978	3,924	3,852	3,770	2,966	3,763	2,598	1,943	2,311	2,348	30,453
Works Yards Space	0	0	50	50	100	4,860	0	0	6,100	0	11,160
<b>Total Net Expenditures</b>	<b>32,113</b>	<b>48,098</b>	<b>21,545</b>	<b>16,976</b>	<b>30,212</b>	<b>32,013</b>	<b>15,758</b>	<b>16,463</b>	<b>18,711</b>	<b>11,328</b>	<b>243,219</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Cycling Program

Year	Project	Description	Net Cost ('000's)
2012	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	150
2013	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	1,920
2014	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	2,150
2015	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	3,920
2016	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	3,920
2017	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	3,920
2018	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	3,920
2019	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	3,920
2020	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	3,920
2021	Cycling Program	Implementation of Cycling Program in accordance with Cycling Master Plan	3,920
<b>Total</b>			<b>31,660</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Facility Repair - Works

Year	Project	Description	Net Cost ('000's)
2013	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2014	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2015	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2016	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2017	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2018	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2019	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2020	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
2021	Facility Repairs - Works	Minor facility repairs and maintenance for Works facilities	20
<b>Total</b>			<b>180</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

#### New Vehicles and Equipment

Year	Project	Description	Net Cost ('000's)
2012	New Vehicles & Equipment	New Vehicles and Equipment	195
2013	New Vehicles & Equipment	New Vehicles and Equipment	195
2014	New Vehicles & Equipment	New Vehicles and Equipment	195
2014	New Vehicles & Equipment	New Vehicles and Equipment - South East Works Yard	405
2015	New Vehicles & Equipment	New Vehicles and Equipment	195
2016	New Vehicles & Equipment	New Vehicles and Equipment	195
2017	New Vehicles & Equipment	New Vehicles and Equipment	195
2018	New Vehicles & Equipment	New Vehicles and Equipment	195
2019	New Vehicles & Equipment	New Vehicles and Equipment	195
2020	New Vehicles & Equipment	New Vehicles and Equipment	195
2021	New Vehicles & Equipment	New Vehicles & Equipment	195
<b>Total</b>			<b>2,355</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Noise Wall Program

Year	Project	Description	Net Cost ('000's)
2012	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	800
2013	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	625
2014	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	1,425
2015	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	600
2016	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	600
2017	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	600
2018	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	600
2019	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	600
2020	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	1,200
2021	Noise Wall Program	Replacement of existing noise walls as prioritized according to current condition. Also includes opportunity for new noise wall construction.	500
<b>Total</b>			<b>7,550</b>

##### Parking - Municipal

Year	Project	Description	Net Cost ('000's)
2012	Parking - Municipal	New Van including rack to support Pay & Display expansion	48
2012	Parking - Municipal	Pay & Display Parking meters - City Centre and Lakeshore	250
2013	Parking - Municipal	Pay & Display Parking meters - City Centre, Lakeshore and Streetsville	460
2013	Parking - Municipal	Downtown Parking Program	15,000
2014	Parking - Municipal	Pay & Display Parking meters - City Centre and Lakeshore	160
<b>Total</b>			<b>15,918</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Property Acquisition

Year	Project	Description	Net Cost ('000's)
2015	Property Acquisition	Ongoing program of purchasing right-of-way widenings required for major road improvements	3,310
2016	Property Acquisition	Ongoing program of purchasing right-of-way widenings required for major road improvements	17,300
2017	Property Acquisition	Ongoing program of purchasing right-of-way widenings required for major road improvements	8,910
2018	Property Acquisition	Ongoing program of purchasing right-of-way widenings required for major road improvements	2,470
2019	Property Acquisition	Ongoing program of purchasing right-of-way widenings required for major road improvements	5,440
2020	Property Acquisition	Ongoing program of purchasing right-of-way widenings required for major road improvements	620
<b>Total</b>			<b>38,050</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Property Acquisition Details

Year	Road	Limits
2015	Enterprise Road	Highway 401 Westbound off Ramp to Enterprise Road
2016-2017	Creekbank Road Extension	Matheson Boulevard Road to Britannia Road East
2016	McLaughlin Road	Bristol Road to Britannia Road
2016	Mavis	Highway 401 Eastbound Extension from Mavis Road to Belgrave Road
2016	Belgrave Road	Cantay Raod to North Termius and Highway 401
2016	North Service Road - Highway 403	Mavis Road to Hurontario Street
2017	Courtneypark Drive	Tomken Road to Dixie Road
2017	Duke of York Boulevard	Rathburn Road West to North of Highway 403
2017	Duke of York Boulevard	Ramp from Duke of York Boulevard to North Service Road
2018	Edwards Boulevard	Edwards Boulevard from North Topflight to Highway 10 and 407
2019	North Service Road - Highway 403	Westbound off ramp from Highway 403 to North Service Road
2020	Confederation Parkway	Confederation Parkway to North Service Road

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Salt Management Program

Year	Project	Description	Net Cost ('000's)
2012	Salt Management Program	Implementation of plan to comply with Environment Canada's Code of Practice for the Environmental Management of Road Salt.	50
2012	Salt Management Program	Permanent Snow Storage Sites Design & Construction - Loreland Facility	2,500
2013	Salt Management Program	Implementation of plan to comply with Environment Canada's Code of Practice for the Environmental Management of Road Salt.	50
2014	Salt Management Program	Implementation of plan to comply with Environment Canada's Code of Practice for the Environmental Management of Road Salt.	50
2014	Salt Management Program	Permanent Snow Storage Sites - North West Section	7,100
2015	Salt Management Program	Implementation of plan to comply with Environment Canada's Code of Practice for the Environmental Management of Road Salt.	50
2016	Salt Management Program	Implementation of plan to comply with Environment Canada's Code of Practice for the Environmental Management of Road Salt.	50
2017	Salt Management Program	Implementation of plan to comply with Environment Canada's Code of Practice for the Environmental Management of Road Salt.	50
2017	Salt Management Program	Permanent Snow Storage Sites - Central District	5,400
2018-2021	Salt Management Program	Implementation of plan to comply with Environment Canada's Code of Practice for the Environmental Management of Road Salt.	200
<b>Total</b>			<b>15,500</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Sidewalks

Year	Project	Description	Net Cost ('000's)
2012	Sidewalks	New sidewalk construction throughout the City.	1,444
2013	Sidewalks	New sidewalk construction throughout the City.	2,000
2014	Sidewalks	New sidewalk construction throughout the City.	2,000
2015	Sidewalks	New sidewalk construction throughout the City.	1,023
2016	Sidewalks	New sidewalk construction throughout the City.	1,023
2017	Sidewalks	New sidewalk construction throughout the City.	257
2018	Sidewalks	New sidewalk construction throughout the City.	257
2019	Sidewalks	New sidewalk construction throughout the City.	257
2020	Sidewalks	New sidewalk construction throughout the City.	257
2021	Sidewalks	New sidewalk construction throughout the City.	257
<b>Total</b>			<b>8,775</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Specialized Equipment

Year	Project	Description	Net Cost ('000's)
2013	Specialized Equipment	Equipment required to maintain the City's road and traffic signal network	50
2013	Specialized Equipment	Equipment required to maintain the City's road and traffic signal network	116
2014	Specialized Equipment	Equipment required to maintain the City's road and traffic signal network	50
2015-2021	Specialized Equipment	Equipment required to maintain the City's road and traffic signal network	350
<b>Total</b>			<b>566</b>

##### Streetlighting

Year	Project	Description	Net Cost ('000's)
2012	Streetlighting	On going program of installing and upgrading streetlighting along various roads throughout the City.	1,417
2012	Streetlighting	LED Streetlighting Retrofit Project - Phase 1 of 2	18,000
2013	Streetlighting	On going program of installing and upgrading streetlighting along various roads throughout the City.	1,417
2013	Streetlighting	LED Streetlighting Retrofit Project - Phase 2 of 2	17,000
2014	Streetlighting	On going program of installing and upgrading streetlighting along various roads throughout the City.	1,417
2015-2021	Streetlighting	On going program of installing and upgrading streetlighting along various roads throughout the City.	9,917
<b>Total</b>			<b>49,167</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Streetscape

Year	Project	Description	Net Cost ('000's)
2012	Street Cleanliness	Recycling Receptacles on the City's Road Allowance	750
2013	Street Cleanliness	Recycling Receptacles on the City's Road Allowance	750
<b>Total</b>			<b>1,500</b>

##### Survey Equipment and Control

Year	Project	Description	Net Cost ('000's)
2012	Survey Equipment	Integrated Surveys and Control Network	35
2012	Survey Equipment	Survey & Equipment Upgrade	260
2013	Survey Equipment	Integrated Surveys and Control Network	35
2014	Survey Equipment	Integrated Surveys and Control Network	35
2015-2021	Survey Equipment	Integrated Surveys and Control Network	245
<b>Total</b>			<b>610</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Topographical Updating

Year	Project	Description	Net Cost ('000's)
2012	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
2013	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
2014	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	145
2015	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
2016	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
2017	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
2018	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	155
2019	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
2020	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
2021	Topographical Updating	Update of 1:2,000 topographic mapping asset to supply the various City business systems with up-to-date information including Mississauga Approval Xpress (MAX), TXM Tax Manager and the new eCity portal	45
<b>Total</b>			<b>660</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Traffic Signals

Year	Project	Description	Net Cost ('000's)
2012	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2012	Traffic Signals	Traffic Signal Equipment Enhancements	855
2012	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2012	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2012	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2013	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2013	Traffic Signals	Traffic Management Centre	2,000
2013	Traffic Signals	Traffic Signal Equipment Enhancements	155
2013	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2013	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2013	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2014	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2014	Traffic Signals	Traffic Signal Equipment Enhancements	155
2014	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2014	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2014	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2015	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2015	Traffic Signals	Traffic Signal Equipment Enhancements	155
2015	Traffic Signals	Traffic Signal Pre-Emption Equipment	480

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Traffic Signals

Year	Project	Description	Net Cost ('000's)
2015	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2015	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2016	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2016	Traffic Signals	Traffic Signal Equipment Enhancements	155
2016	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2016	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2016	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2017	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2017	Traffic Signals	Traffic Signal Equipment Enhancements	155
2017	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2017	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2017	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2018	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2018	Traffic Signals	LED City Wide Traffic Signal Lens Replacement	1,500
2018	Traffic Signals	Traffic Signal Equipment Enhancements	155
2018	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2018	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2018	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2019	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Traffic Signals

Year	Project	Description	Net Cost ('000's)
2019	Traffic Signals	Traffic Signal Equipment Enhancements	155
2019	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2019	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2019	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2020	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2020	Traffic Signals	Traffic Signal Equipment Enhancements	155
2020	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2020	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2020	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
2021	Traffic Signals	Field Equipment Replacement - Traffic Controllers	190
2021	Traffic Signals	Traffic Signal Equipment Enhancements	155
2021	Traffic Signals	Traffic Signal Pre-Emption Equipment	480
2021	Traffic Signals	New traffic signal installations and improvements at various intersections throughout the City	1,567
2021	Traffic Signals	Traffic System and Intelligent Transportation System (ITS)	100
<b>Total</b>			<b>29,115</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

##### Vehicle and Equipment Replacement

Year	Project	Description	Net Cost ('000's)
2012	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	2,978
2013	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	3,924
2014	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	3,852
2015	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	3,770
2016	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	2,966
2017	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	3,763
2018	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	2,598
2019	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	1,943
2020	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	2,311
2021	Vehicle & Equipment Replacement	Replacement of Corporate vehicles & equipment (excluding Fire & Transit) based on mileage or age.	2,348
<b>Total</b>			<b>30,453</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Other Engineering

#### Replacement Details

2012 Replacements	
Equipment/Vehicle	
4 - 5 Ton Dump/Sander/Plow	4 - Tractor Utility
1 - 2 Ton Rear Packer Truck	6 - Tractor Loaders
2 - 1 Ton Pickup	8 - Large Riding Mowers
1 - 1 Ton Pickup 4 X 4	1 - Loader/Backhoe
1 - 3/4 Ton Pick Up Trucks	1 - Security Vehicles
5 - 1/2 Ton Extended Cab Trucks	2 - Utility Truckster
1 - 1 Ton Van	1 - Bucket Truck
2 - 3/4 Ton Vans	2 - Ice Resurfacers
1 - Wood Chipper	8 - Golf Course Equipment

#### Works Yards Space

Year	Project	Description	Net Cost ('000's)
2014	Works Yards	North Central Works Yard Feasibility Study	50
2015	Works Yards	North Central Works Yard Feasibility Study	50
2016	Works Yards	North Central Works Yard Land Design	100
2017	Works Yards	North Central Works Yard Land Acquisition	4,860
2020	Works Yards	North Central Works Yard Land Construction	6,100
<b>Total</b>			<b>11,160</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

Roads, Storm Drainage and Watercourses  
 2012 - 2021 Net Capital Expenditures By Sub-Program  
 (000's)

Road Rehabilitation	2012 Budget	2013 Budget	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Crack Sealing	100	100	100	100	100	100	100	100	100	100	1,000
Parking Lot Rehabilitation	50	0	50	0	50	0	50	0	50	0	250
Roadway Infrastructure Review	0	0	0	600	0	0	600	0	0	600	1,800
Road Rehabilitation	14,624	16,124	23,750	23,750	23,750	23,750	23,750	23,750	23,750	23,750	220,748
<b>Total Net Expenditures</b>	<b>14,774</b>	<b>16,224</b>	<b>23,900</b>	<b>24,450</b>	<b>23,900</b>	<b>23,850</b>	<b>24,500</b>	<b>23,850</b>	<b>23,900</b>	<b>24,450</b>	<b>223,798</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Road Rehabilitation

##### Crack Sealing

Year	Project	Description	Net Cost ('000's)
2012	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2013	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2014	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2015	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2016	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2017	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2018	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2019	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2020	Crack Sealing	Preventative maintenance funding for road crack sealing	100
2021	Crack Sealing	Preventative maintenance funding for road crack sealing	100
<b>Total</b>			<b>1,000</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Road Rehabilitation

##### Parking Lot Rehabilitation

Year	Project	Description	Net Cost ('000's)
2012	Parking Lot Rehabilitation	Ongoing funding to rehabilitate parking lots.	50
2014	Parking Lot Rehabilitation	Ongoing funding to rehabilitate parking lots.	50
2016	Parking Lot Rehabilitation	Ongoing funding to rehabilitate parking lots.	50
2018	Parking Lot Rehabilitation	Ongoing funding to rehabilitate parking lots.	50
2020	Parking Lot Rehabilitation	Ongoing funding to rehabilitate parking lots.	50
<b>Total</b>			<b>250</b>

##### Roadway Infrastructure Review

Year	Project	Description	Net Cost ('000's)
2015	Roadway Infrastructure Review	Ongoing funding to update the pavement management system data	600
2018	Roadway Infrastructure Review	Ongoing funding to update the pavement management system data	600
2021	Roadway Infrastructure Review	Ongoing funding to update the pavement management system data	600
<b>Total</b>			<b>1,800</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Road Rehabilitation

##### Road Rehabilitation

Year	Project	Description	Net Cost ('000's)
2012	Road Rehabilitation	Various Industrial Roads	4,528
2012	Road Rehabilitation	Various Major Roads	6,253
2012	Road Rehabilitation	Various Residential Roads	3,594
2012	Road Rehabilitation	Low Impact Development Features	250
2013	Road Rehabilitation	Various Industrial Roads	5,000
2013	Road Rehabilitation	Various Major Roads	6,905
2013	Road Rehabilitation	Various Residential Roads	3,969
2013	Road Rehabilitation	Low Impact Development Features	250
2014	Road Rehabilitation	Various Industrial Roads	7,403
2014	Road Rehabilitation	Various Major Roads	10,223
2014	Road Rehabilitation	Various Residential Roads	5,875
2014	Road Rehabilitation	Low Impact Development Features	250
2015	Road Rehabilitation	Various Industrial Roads	7,403
2015	Road Rehabilitation	Various Major Roads	10,223
2015	Road Rehabilitation	Various Residential Roads	5,875
2015	Road Rehabilitation	Low Impact Development Features	250
2016	Road Rehabilitation	Various Residential Roads	5,875
2016	Road Rehabilitation	Various Major Roads	10,223
2016	Road Rehabilitation	Various Industrial Roads	7,403
2016	Road Rehabilitation	Low Impact Development Features	250
2017	Road Rehabilitation	Various Industrial Roads	7,471

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Road Rehabilitation

##### Road Rehabilitation

Year	Project	Description	Net Cost ('000's)
2017	Road Rehabilitation	Various Major Roads	10,179
2017	Road Rehabilitation	Various Residential Roads	5,850
2017	Road Rehabilitation	Low Impact Development Features	250
2018	Road Rehabilitation	Various Industrial Roads	7,403
2018	Road Rehabilitation	Various Major Roads	10,223
2018	Road Rehabilitation	Various Residential Roads	5,875
2018	Road Rehabilitation	Low Impact Development Features	250
2019	Road Rehabilitation	Various Industrial Roads	7,403
2019	Road Rehabilitation	Various Major Roads	10,223
2019	Road Rehabilitation	Various Residential Roads	5,875
2019	Road Rehabilitation	Low Impact Development Features	250
2020	Road Rehabilitation	Various Industrial Roads	7,403
2020	Road Rehabilitation	Various Major Roads	10,223
2020	Road Rehabilitation	Various Residential Roads	5,875
2020	Road Rehabilitation	Low Impact Development Features	250
2021	Road Rehabilitation	Various Industrial Roads	7,403
2021	Road Rehabilitation	Various Major Roads	10,223
2021	Road Rehabilitation	Various Residential Roads	5,875
2021	Road Rehabilitation	Low Impact Development Features	250
<b>Total</b>			<b>220,748</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Road Rehabilitation

#### Residential Road Resurfacing

Year	Street	From	To
2012	Carlis Place	Elmwood Avenue South	East End
2012	Crossfield Bend	Mineola Road East	Windy Oaks
2012	Elmwood Avenue South	Lakeshore Road East	South End
2012	Forest Avenue	Rosewood Avenue	Briarwood Avenue
2012	Marf Avenue	Canterbury Road	East End
2012	Veronica Drive	Woodland Avenue	Old River Road
2012	Woodland Avenue	Mineola Road	Inglewood
2012	Felina Court	Tedwyn Drive	North End
2012	Callum Avenue	Paisley Boulevard	Louis Drive
2012	Carlanne Court	Fieldstone Road	East End
2012	Carlanne Place	Fieldstone Road	North End
2012	Cavell Drive	Louis Drive	Cullen Avenue
2012	Cullen Avenue	West End	East End
2012	Culver Way	Morrison Avenue	Louis Drive
2012	Louis Drive	Cavell Drive	East End
2012	Louis Drive	Mavis Road	Carlanne Place
2012	Pinemeadow Avenue	Cullen Avenue	Louis Drive
2012	Chisholm Avenue	Hurondale Drive	Morrison Avenue
2012	Chisholm Court	Morrison Avenue	East End
2012	Damian Way	Queensway West	Morrison Avenue
2012	Fieldstone Road	Damian Way	Carlanne Place
2012	Hurondale Drive	Pollard Drive	Morrison Avenue

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Road Rehabilitation

##### Residential Road Resurfacing

Year	Street	From	To
2012	Logwood Court	Morrison Avenue	North End
2012	Morrison Avenue	Fieldstone Road	Pollard Drive
2012	Pollard Court	Morrison Avenue	East End
2012	Pollard Drive	Paisley Boulevard	Morrison Avenue
2012	Mindemoya Road	Dundas Street	South End
2012	Eaglemount Crescent	McBride Avenue	Strabane Drive
2012	Ibbetson Crescent	Valmarie Avenue	North End
2012	Ibbetson Lane	Valmarie Avenue	Ibbetson Crescent
2012	Ottewell Crescent	Bough Beeches Boulevard	Maple Ridge Drive
2012	Torino Crescent	Shelby Crescent	Shelby Crescent
2012	Beejay Court	Theodore Drive	West End
2012	Grossbeak Drive	Britannia Road	Osprey Boulevard
2012	Osprey Boulevard	Prairie Circle	100m west of Grossbeak Drive
2012	Prairie Circle	Grossbeak Drive (north leg)	Osprey Boulevard
2012	SaltMarsh Court	Osprey Boulevard	South End
2012	Waxwing Drive	Osprey Boulevard	Tenth Line West
2012	Medhat Drive	Isabella Avenue	North End

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Road Rehabilitation

#### Major, Collector & Industrial Road Rehabilitation

	Street	From	To
2012	North Service Road	Cooksville Bridge	Asta Drive
2012	Matthews Gate	Hurontario Street	Enfield Place
2012	Sussex Gate	Burnhamthorpe Road	Enfield Place
2012	Enfield Place	Kariya Drive	Kariya Drive
2012	Elm Drive	Kariya Drive	Hurontario Street
2012	Rathburn Road	Meadows Boulevard	Cawthra Road
2012	Bresler Drive	Airport Road	Campus Road
2012	Indian Line	Campus Road	North End
2012	Northam Drive	American Drive	Orlando Drive
2012	Drew Road	Dixie Road	Bramalea Road

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

Roads, Storm Drainage and Watercourses  
 2012 - 2021 Net Capital Expenditures By Sub-Program  
 (000's)

Storm Drainage	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Channelization	480	0	0	0	0	0	0	0	0	0	480
Culvert Improvement	0	0	0	0	0	0	0	0	0	0	0
Drainage	450	100	100	100	100	100	100	100	100	100	1,350
Erosion Control	4,610	5,950	1,760	690	2,230	1,870	3,160	4,580	3,790	4,180	32,820
Flood Relief	1,295	580	7,210	5,800	0	0	0	0	0	0	14,885
Storm Sewer	0	0	0	1,750	0	0	0	0	0	0	1,750
Storm Sewer Oversizing	200	200	200	200	200	200	200	200	200	200	2,000
Study	1,250	330	250	250	0	400	80	0	0	0	2,560
Storm Water Management (SWM) Facilities	1,615	130	20,270	130	780	2,863	2,420	5,270	2,680	1,810	37,968
<b>Total Net Expenditures</b>	<b>9,900</b>	<b>7,290</b>	<b>29,790</b>	<b>8,920</b>	<b>3,310</b>	<b>5,433</b>	<b>5,960</b>	<b>10,150</b>	<b>6,770</b>	<b>6,290</b>	<b>93,813</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2012	Cooksville Creek Erosion Control - North of Dundas Street East behind Jaguar Valley Drive	Construction		X						950
2012	Cooksville Creek Erosion Control -Camilla Road to North Service Road	Construction		X						630
2012	Credit River Erosion Control - South of Dundas Street West behind Jarvis Street	Construction		X						820
2012	Mary Fix Creek Erosion Control - Harborn Road to Premium Way	Construction		X						190
2012	Sheridan Creek Erosion Control - Downstream of Benedet Drive	Construction		X						190
2012	Sheridan Creek Erosion Control -Clarkson Road to Meadow Wood Road	Construction		X						1,640
2012	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2012	Cooksville Creek Crossing Improvements and Flood Protection - King Street East and Paisley Boulevard	Design				X				1,270
2012	Credit River Erosion Control - Behind Steen Drive	Design		X						110
2012	New Facility - Cooksville Creek Storm Water Management Pond #3702 - North of Matheson Road Between McLaughlin Road and Hurontario Street	Design						X		1,260
2012	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2012	Etobicoke Creek Channel Improvement - Universal Drive	Design/Construction					X			480
2012	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2012	Stormwater Quality Control Installation - Romani Court	Design/Construction						X		200
2012	Update and Enhancement of the Rain Gauge Network	Install							X	25

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2012	Rehabilitation of Relief Wells - Dakota Road and Full Moon Circle	Rehabilitate							X	350
2012	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2012	Ninth Line Corridor Scoped Subwatershed Study	Study							X	250
2012	Stormwater Financing Study - Phase 2	Study							X	900
2012	Stormwater Pilot Studies	Study							X	100
2012	Storm Water Management Pond Dredging and Rehabilitation - Prioritization Study	Study						X		75
2013	Applewood Creek Erosion Control - Behind Dixie Outlet Mall	Construction		X						280
2013	Cooksville Creek Erosion Control -Rathburn Road West to Absolute Avenue	Construction		X						1,340
2013	Cooksville Creek Erosion Control - Willa Road to Orano Avenue	Construction		X						940
2013	Sawmill Creek Erosion Control -Swallowdale Court to Collegeway	Construction		X						1,130
2013	Sawmill Creek Erosion Control -Burnhamthorpe Road West to The Collegeway	Construction		X						750
2013	Sawmill Creek Erosion Control - Erin Mills Parkway to Burnhamthorpe Road West	Construction		X						940
2013	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2013	Cooksville Creek Flood Storage Facility - Eglinton and Kennedy (Eastgate Park)	Design						X		580
2013	Loyalist Creek Erosion Control - Upstream of Thornlodge Road	Design		X						90

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2013	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2013	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2013	City-wide Watercourse Erosion and Rehabilitation Study	Study		X						400
2013	Development Charges Update	Study							X	80
2013	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2013	Storm Sewer Network Modelling - City-wide Model	Study							Minor System	250
2013	Storm Water Management Pond Dredging and Rehabilitation - Pre-Engineering	Study						X		50
2014	Land Acquisition - Sawmill Creek (Glen Erin Brook) Storm Water Management Pond #5805 - North of Highway 403, west of Winston Churchill Boulevard	Acquire						X		2,240
2014	Cooksville Creek Crossing Improvements and Flood Protection - King Street East and Paisley Boulevard East	Construction				X				7,210
2014	Cooksville Creek Erosion Control -Burnhamthorpe Road East to Mississauga Valley Boulevard, East Branch	Construction		X						860
2014	Credit River Erosion Control - Behind Steen Drive	Construction		X						390
2014	New Facility - Cooksville Creek Storm Water Management Pond #3702 - North of Matheson Road Between McLaughlin Road and Hurontario Street	Construction						X		16,800
2014	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2014	Cooksville Creek Erosion Control -Highway 403 to Hurontario Street	Design		X						70

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2014	Mullet Creek Erosion Control - Burnhamthorpe Road West to behind Woodchuck Lane	Design		X						360
2014	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2014	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2014	Sawmill Creek (Glen Erin Brook) Storm Water Management Pond #5805 - North of Highway 403, west of Winston Churchill Boulevard	Design/Construction						X		950
2014	SWM Pond Dredging and Rehabilitation - Pond 2601A (Eastgate Business Park)	Design/Construction						X		200
2014	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2014	Storm Sewer Network Modelling - City-wide model	Study							Minor System	250
2015	Cooksville Creek Flood Storage Facility - Eglinton and Kennedy (Eastgate Park)	Construction						X		5,800
2015	Loyalist Creek Erosion Control - Upstream of Thornlodge Road	Construction		X						380
2015	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2015	Cooksville Creek Erosion Control - Canadian Pacific Railway to Kirwin Avenue	Design		X						100
2015	Cooksville Creek Erosion Control - King Street East to North of Paisley Boulevard East	Design		X						130
2015	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2015	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2015	Square One Storm Sewer Repair -Huronario Street to Cooksville Creek	Design/Construction							Minor System	1,750

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

##### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2015	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2015	Storm Sewer Network Modelling - City-wide model	Study							Minor System	250
2015	Storm Water Management Pond Dredging and Rehabilitation - Pre-Engineering	Study						X		50
2016	Cooksville Creek Erosion Control -Highway 403 to Hurontario Street	Construction		X						250
2016	Mullet Creek Erosion Control - Burnhamthorpe Road West to behind Woodchuck Lane	Construction		X						1,490
2016	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2016	Cooksville Creek Erosion Control - Cawthra Creek Diversion, North of Lakeshore Road East	Design		X						50
2016	Credit River Erosion Control - South of Queen Elizabeth Way to behind Pinetree Crescent	Design		X						120
2016	Credit River Erosion Control - North of Queen Elizabeth Way, behind Mississauga Crescent	Design		X						170
2016	Mimico Creek Erosion Control - Etude Drive to Derry Road East	Design		X						70
2016	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2016	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2016	Storm Water Management Dredging and Rehabilitation - Ponds 5701 (Churchill Meadows), 4403 (Fletchers Creek FFP3) and 4402 (Shipp-Higgins)	Design/Construction						X		700
2016	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2017	Land Acquisition - Meadowvale Business Park District (North 16) - Storm Water Management Pond 5502 - Between Ninth and Tenth Line, West side of storm drainage channel	Acquire						X		1,733
2017	Cooksville Creek Erosion Control - Canadian Pacific Railway to Kirwin Avenue	Construction		X						410
2017	Cooksville Creek Erosion Control - King Street East to North of Paisley Boulevard East	Construction		X						380
2017	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2017	Cooksville Creek Erosion Control - Queen Elizabeth Way to Elaine Trail	Design		X						180
2017	Cooksville Creek Erosion Control - Rhonda Valley to Mississauga Valley Boulevard	Design		X						90
2017	Credit River Erosion Control - North of Canadian National Railway, behind Stavebank Road and behind Mississauga Road	Design		X						450
2017	Mullet Creek Erosion Control - Quenippenon Tributary, Upstream of Erin Mills Parkway to Middlebury Drive	Design		X						280
2017	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2017	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2017	New Facility - Meadowvale Business Park District (North 16) - Pond 5502 - Between Ninth and Tenth Line, West side of storm drainage	Design/Construction						X		1,000
2017	Mississauga Storm Water Quality Strategy Update	Study						X		400
2017	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2017	Storm Water Management Pond Dredging and Rehabilitation - Pre-Engineering	Study						X		50

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2018	Cooksville Creek Erosion Control - Cawthra Creek Diversion, North of Lakeshore Road East	Construction		X						160
2018	Cooksville Creek Erosion Control - Rhonda Valley to Mississauga Valley Boulevard	Construction		X						440
2018	Credit River Erosion Control - North of Queen Elizabeth Way, behind Mississauga Crescent	Construction		X						910
2018	Credit River Erosion Control - South of Queen Elizabeth Way to behind Pinetree Crescent	Construction		X						550
2018	Mimico Creek Erosion Control - Etude Drive to Derry Road East	Construction		X						190
2018	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2018	Credit River Erosion Control - West of Creditview Road, behind Kenninghall Boulevard	Design		X						170
2018	Etobicoke Creek Erosion Control - Eglinton Avenue East to Hydro Corridor	Design		X						110
2018	Mullet Creek Erosion Control - Tannery Street to Thomas Street	Design		X						150
2018	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2018	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2018	Retrofit - Etobicoke Creek Storm Outfall - Britannia Road East and Netherhart Road	Design/Construction						X		1,540
2018	Storm Water Management Pond Dredging and Rehabilitation - Ponds 5702 (Churchill Meadows), 0801 (Mattamy Lorne Park), 2201 (Mary Fix Creek) and 5301 (Fieldrun Subdivision)	Design/Construction						X		800
2018	City-wide Watercourse Erosion and Rehabilitation Study	Study		X						400

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2018	Development Charges Update	Study							X	80
2018	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2019	Cooksville Creek Erosion Control - Queen Elizabeth Way to Elaine Trail	Construction		X						1,000
2019	Mullet Creek Erosion Control - Tannery Street to Thomas Street	Construction		X						850
2019	Mullet Creek Erosion Control -Quenippenon Tributary, Upstream of Erin Mills Parkway to Middlebury Drive	Construction		X						1,650
2019	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2019	Cooksville Creek Erosion Control - Kingsbridge Garden Circle to Highway 403	Design		X						110
2019	Tecumseh Creek Erosion Control - South of Indian Road	Design		X						140
2019	Cawthra Creek Erosion Control - Dellwood Park	Design/Construction		X						580
2019	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2019	Etobicoke Creek Erosion Control - North of Eglinton Avenue	Design/Construction		X						170
2019	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2019	Retrofit - Little Etobicoke Creek Timberlea Storm Water Management Pond #3602	Design/Construction						X		5,190
2019	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2020	Credit River Erosion Control - West of Creditview Road, behind Kenninghall Boulevard	Construction		X						910

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing

#### Program: Storm Drainage

##### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2020	Credit River Erosion Control - North of Canadian National Railway, behind Stavebank Road and behind Mississauga Road	Construction		X						2,530
2020	Etobicoke Creek Erosion Control - Eglinton Avenue East to Hydro Corridor	Construction		X						270
2020	Minor Erosion Control Works - Various Locations	Construction		X						80
2020	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2020	Clearview Creek Storm Water Management Pond #0401 - South of Lakeshore Road West	Design/Construction						X		2,600
2020	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2020	Monitoring and Minor Modification of Storm Water Management Facilities - Various Locations	Study						X		80
2021	Cooksville Creek Erosion Control - Kingsbridge Garden Circle to Highway 403	Construction		X						580
2021	Storm Sewer Oversizing - Various Locations	Construction							Minor System	200
2021	Mullet Creek Erosion Control - Wabukayne Tributary, Downstream of Erin Millis Parkway	Design		X						250
2021	Mullet Creek Erosion Control - Wabukayne Tributary, Upstream of Canadian Pacific Railway	Design		X						470
2021	Applewood Creek Erosion Control - Lakeview Golf Course	Design/Construction		X						2,190
2021	Drainage Improvements - Various Locations	Design/Construction							Major System	100
2021	Minor Erosion Control Works - Various Locations	Design/Construction		X						80
2021	Mullet Creek Erosion Control - GO Transit to Downstream of Erin Centre Boulevard	Design/Construction		X						610

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Roads, Storm Drainage and Watercourses - Project Listing Program: Storm Drainage

#### Storm Drainage

Year	Project	Description	Flood Control	Erosion Control	Relief Storm Sewer	Culvert Improvement	Channel Improvement	Quality and/or Quantity Facilities	Other	Net Cost ('000's)
2021	Retrofit - Mimico Creek Storm Outfall - Goreway Drive and Nashua Drive	Design/Construction						X		930
2021	Retrofit - Etobicoke Creek Storm Outfall - Derry Road East and Dixie Road	Design/Construction						X		800
2021	Monitoring and minor modification of Storm Water Management Facilities - Various	Study						X		80
<b>Total</b>										<b>93,813</b>



# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services

#### 2012 - 2021 Net Capital Expenditures By Program and Sub-Program

(000's)

Fire	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Stations and Auxiliary Buildings</b>											
Stations - Renovations	250	500	1,950	1,472	3,942	3,334	1,272	0	0	0	12,720
Stations New	1,080	3,040	3,790	2,820	1,410	660	0	0	0	0	12,800
Studies	0	38	0	0	0	42	0	0	0	45	125
<b>Total Stations and Auxiliary Buildings</b>	<b>1,330</b>	<b>3,578</b>	<b>5,740</b>	<b>4,292</b>	<b>5,352</b>	<b>4,036</b>	<b>1,272</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>25,645</b>
<b>Vehicles and Equipment</b>											
Equipment New	694	1,741	1,366	460	20	20	20	20	25	525	4,891
Equipment Replacement	1,025	960	164	169	174	480	185	490	195	200	4,042
Fire Vehicles	1,657	1,576	1,842	3,758	2,535	842	2,160	3,278	2,330	3,732	23,710
Safety Clothing Replacement	50	50	100	966	60	60	60	60	1,096	65	2,567
<b>Total Vehicles and Equipment</b>	<b>3,426</b>	<b>4,327</b>	<b>3,472</b>	<b>5,353</b>	<b>2,789</b>	<b>1,402</b>	<b>2,425</b>	<b>3,848</b>	<b>3,646</b>	<b>4,522</b>	<b>35,210</b>
<b>Total - Fire Services</b>	<b>4,756</b>	<b>7,905</b>	<b>9,212</b>	<b>9,645</b>	<b>8,141</b>	<b>5,438</b>	<b>3,697</b>	<b>3,848</b>	<b>3,646</b>	<b>4,567</b>	<b>60,855</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services - Project Listing

#### Program: Stations and Auxiliary Buildings

#### Stations - Renovations

Year	Project	Description	Net Cost ('000's)
2012-2014	Fire Station 101 renovation	Design and construction of Fire Station 101 renovation to address the lifecycle deficiencies in this station. This station does not have an adequate storage for personal protective equipment required by suppression staff. Also the installation of an elevator and barrier free washrooms will meet the accessibility guidelines (Station's location: Headquarter, Fairview and Hurontario) - cash flow funding	1,200
2014-2017	Fire Station 104 relocation	Design, construction and land acquisition. Any expansion at the existing site would be problematic as the site is very small and will not accommodate a larger footprint. This new station will better serve the community by providing adequate resources to its emergency staff and improving working conditions to accommodate for the aging infrastructure (Station's location: Port Credit) - cash flow funding	4,200
2015-2016	Fire Station 102 renovation	Design and Construction of Fire Station 102 renovation to address the lifecycle deficiencies in this station. This station does not have an adequate generator and adequate storage for personal protective equipment (Station's location: Lakeview) - cash flow funding	800
2015-2016	Fire Station 109 renovation	Design and construction of Fire Station 109 renovation to address the lifecycle deficiencies in this station. This building is almost 30 years old. This rehabilitation project will include the installation of an adequate generator and adequate storage of personal protective equipment (Station's location: Britania) - cash flow funding	860
2015-2017	Fire Station 107 renovation	Design and construction of Fire Station 107 renovation to address the lifecycle deficiencies in this station. This building is almost 40 years old and as a result there are significant renovations required. This rehabilitation project will include the installation of an adequate generator and adequate storage of personal protective equipment (Station's location: Erindale) - cash flow funding	3,000
2016-2017	Fire Station 112 renovation	Design and construction of Fire Station 112 renovation to address the lifecycle deficiencies in this station. This building is almost 25 years old. This rehabilitation project will include the installation of an adequate generator and adequate storage of personal protective equipment (Station's location: Creditview) - cash flow funding	640

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services - Project Listing

#### Program: Stations and Auxiliary Buildings

#### Stations - Renovations

Year	Project	Description	Net Cost ('000's)
2017-2018	Fire Station 115 renovation	Design and construction of Fire Station 115 renovation to address the lifecycle deficiencies in this station. This building is almost 20 years old. This rehabilitation project will include the installation of an adequate generator and adequate storage of personal protective equipment (Station's location: Erin Mills) - cash flow funding	910
2017-2018	Fire Station 114 renovation	Design and construction of Fire Station 114 renovation to address the lifecycle deficiencies in this station. This building is almost 20 years old. This rehabilitation project will include the installation of an adequate generator and adequate storage of personal protective equipment (Station's location: Heartland) - cash flow funding	680
2016-2017	Fire Station 108 renovation	Design and construction of Fire Station 108 renovation to address the lifecycle deficiencies in this station. This building is almost 30 years old. This rehabilitation project will include the installation of an adequate generator and adequate storage of personal protective equipment (Station's location: Streetsville) - cash flow funding	430
<b>Total</b>			<b>12,720</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services - Project Listing

#### Program: Stations and Auxiliary Buildings

##### Stations New

Year	Project	Description	Net Cost ('000's)
2012-2015	Relocation of Fire Station 119	Design and construction of fire station 119 in a new location within the same response area. This new location will allow Fire and Emergency Services to continue to satisfy its responsibility to the Greater Toronto Airport Authority and surrounding occupancies - cash flow funding.	2,700
2012-2015	New Fire Station 120	Design and construction of this new fire station in the Hurontario and Eglinton area is required to accommodate growth and density in this area - cash flow funding.	2,700
2013	Land acquisition for Fire station 123	This new fire station in the Burnhamthorpe and Winston Churchill area is required to accommodate growth and high risk occupancies in this area.	1,000
2013-2016	New Fire Station 123	Design and construction of this new fire station in the Burnhamthorpe and Winston Churchill area is required to accommodate growth and high risk occupancies in this area - cash flow funding.	2,700
2014	Land acquisition for Fire station 124	This new fire station in the Dundas and Cawthra area is required to accommodate growth and high risk occupancies in this area.	1,000
2014-2017	New Fire Station 124	Design and construction of this new fire station in the Dundas and Cawthra area is required to accommodate growth and high risk occupancies in this area - cash flow funding.	2,700
<b>Total</b>			<b>12,800</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Fire and Emergency Services - Project Listing

#### Program: Stations and Auxiliary Buildings

##### Studies

Year	Project	Description	Net Cost ('000's)
2013	Various Fire Stations	Fire and Emergency Services master plan review	38
2017	Various Fire Stations	Fire and Emergency Services master plan review	42
2021	Various Fire Stations	Fire and Emergency Services master plan review	45
<b>Total</b>			<b>125</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services - Project Listing

#### Program: Vehicles and Equipment

##### Equipment New

Year	Project	Description	Net Cost ('000's)
2012	Fire Accessory Equipment	Additional training resources for emergency management	45
2012	Fire Rescue Equipment	Fire 911 Voice Logger replacement	34
2012	Fire Rescue Equipment	Hazmat mass decontamination shelter tent.	40
2012	Fire Accessory Equipment	Installation of traffic signal pre-emption equipment	20
2012	Garry W. Morden Centre Equipment	Reachlift-front end loader for Garry Morden Centre to facilitate operations at this training centre	100
2012	Fire Rescue Equipment	Fire rehabilitation container to be used by fire fighters in extreme cold and heat conditions to help stabilize body temperature. This will address the health and safety issues.	25
2012	Fire Rescue Equipment	Replacement of current Voice Communication (VCOM) radio system to ensure ongoing vendor support - cash flow funding	350
2012	Interface Fire/Medical Dispatch Computer System	Automatic/Simultaneous Fire and EMS dispatch notification project where Mississauga Fire & Emergency Services is part of the pilot.	80
2013	Fire Rescue Equipment	Replacement of current Voice Communication (VCOM) radio system to ensure ongoing vendor support - cash flow funding	1,550
2013	Fire Rescue Equipment	Upgrade to backup fire communications centre. The existing back up has become inadequate and requires numerous equipment upgrades.	171
2013	Fire Accessory Equipment	Installation of traffic signal pre-emption equipment	20

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services - Project Listing

#### Program: Vehicles and Equipment

##### Equipment New

Year	Project	Description	Net Cost ('000's)
2014	Fire Accessory Equipment	Installation of traffic signal pre-emption equipment	20
2014	Fire Rescue Equipment	Replacement and upgrade of radio communication system to Voice Communication (VCOM) radio system - cash flow funding	1,346
2015-2021	Fire Accessory Equipment	Installation of traffic signal pre-emption equipment	150
2015	Fire Accessory Equipment	Laptops in fire trucks to improve response times and safety for fire personnel	440
2021	Fire Accessory Equipment	Laptops in fire trucks to improve response times and safety for fire personnel	500
<b>Total</b>			<b>4,891</b>

##### Equipment Replacement

Year	Project	Description	Net Cost ('000's)
2012	Fire Accessory Equipment	Hoses and fittings, breathing apparatus, furniture and appliances	155
2012	Fire Rescue Equipment	Life cycle replacement of semi-automatic defibrillator equipment	120
2012	Fire Accessory Equipment	Replacement of respiratory protective equipment - cash flow funding	750
2013	Fire Accessory Equipment	Replacement of respiratory protective equipment - cash flow funding	800
2013	Fire Accessory Equipment	Hoses and fittings, breathing apparatus, furniture and appliances	160
2014	Fire Accessory Equipment	Hoses and fittings, breathing apparatus, furniture and appliances	164
2015-2021	Fire Accessory Equipment	Hoses and fittings, breathing apparatus, furniture and appliances	1,293
2017	Fire Rescue Equipment	Life cycle replacement of semi-automatic defibrillator equipment	300
2019	Fire Rescue Equipment	Upgrade the component of VCOM Radio System	300
<b>Total</b>			<b>4,042</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services - Project Listing

#### Program: Vehicles and Equipment

##### Fire Vehicles

Year	Project	Description	Net Cost ('000's)
2012	Vehicle Replacement	Replace four pumpers, one specialty vehicle and 7 cars - cash flow funding	948
2012	Vehicle Maintenance	Refurbish fire vehicles to maintain life cycle, includes paint body and aerial ladder	209
2012	Vehicle Replacement	Replace one pumper and three vehicles - cash flow funding	450
2012	Fire Vehicle New	Additional prevention vehicle	50
2013	Fire Vehicle New	New fire vehicle for Deputy Chief	68
2013	Vehicle Maintenance	Refurbish fire vehicles to maintain life cycle, includes paint body and aerial ladder	215
2013	Fire Vehicle New	New fire truck for new fire station 120	700
2013	Vehicle Replacement	Replace one pumper and three vehicles - cash flow funding	393
2013	Vehicle Replacement	Replace one specialty car	200
2014	Vehicle Maintenance	Refurbish fire vehicles to maintain life cycle, includes paint body and aerial ladder	222
2014	Vehicle Replacement	Replace two aerials, one pumper, one specialty vehicle and 6 cars - cash flow funding	1,620
2015	Vehicle Replacement	Replace two aerials, one pumper, one specialty vehicle and 6 cars - cash flow funding	2,000
2015	Fire Vehicle New	New fire truck for new fire station 123	700

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Fire and Emergency Services - Project Listing

#### Program: Vehicles and Equipment

##### Fire Vehicles

Year	Project	Description	Net Cost ('000's)
2015	Fire Vehicle New	New fire vehicle for District Chief	70
2015	Vehicle Replacement	Replace two pumpers, two specialty vehicles and one car - cash flow funding	760
2016	Fire Vehicle New	New fire truck for new fire station 124	700
2016	Vehicle Replacement	Replace two pumpers, two specialty vehicles and one car - cash flow funding	760
2016	Vehicle Replacement	Replace one pumper, two cars - cash flow funding	840
2017	Vehicle Replacement	Replace two specialty vehicles and three cars - cash flow funding	600
2018	Vehicle Replacement	Replace two specialty vehicles and three cars - cash flow funding	610
2018	Vehicle Replacement	Replace two aerials and two cars - cash flow funding	
2018	Vehicle Replacement	Replace two pumpers and one aerial - cash flow funding	1,300
2019	Vehicle Replacement	Replace two pumpers and one aerial - cash flow funding	1,300
2019	Vehicle Replacement	Replace two aerials and two cars - cash flow funding	
2019	Vehicle Replacement	Replace three pumpers, one aerial and two cars - cash flow funding	1,720
2020	Vehicle Replacement	Replace three pumpers, one aerial and two cars - cash flow funding	1,720
2020	Vehicle Replacement	Replace five cars	350
2015-2021	Vehicle Maintenance	Refurbish fire vehicles to maintain life cycle, includes paint body and aerial ladder	1,735
2021	Vehicle Replacement	Replace three pumpers, 11 cars and one specialty vehicle	3,470
<b>Total</b>			<b>23,710</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Fire and Emergency Services - Project Listing

#### Program: Vehicles and Equipment

##### Safety Clothing Replacement

Year	Project	Description	Net Cost ('000's)
2012	Fire Safety Equipment	Replacement of worn and damaged safety clothing including helmets, footwear, gloves, bunker gear and protective hoods	50
2013	Fire Safety Equipment	Replacement of worn and damaged safety clothing including helmets, footwear, gloves, bunker gear and protective hoods	50
2014	Fire Safety Equipment	Replacement of worn and damaged safety clothing including helmets, footwear, gloves, bunker gear and protective hoods	100
2015-2021	Fire Safety Equipment	Replacement of worn and damaged safety clothing including helmets, footwear, gloves, bunker gear and protective hoods	2,367
<b>Total</b>			<b>2,567</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit

#### 2012 - 2021 Net Capital Expenditures By Program

(000's)

Transit	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Buildings</b>	40	40	2,640	10,040	30,040	20,040	40	40	40	40	63,000
<b>Buses</b>	3,668	19,764	14,018	19,783	20,629	21,054	28,387	17,173	32,773	28,427	205,676
<b>Higher Order Transit</b>	26,503	44,565	8	0	0	0	0	0	0	0	71,076
<b>On-street Facilities</b>	325	375	190	140	20,290	20,275	20,275	20,240	140	140	82,390
<b>Other Transit</b>	1,900	1,600	0	2,100	2,500	100	0	100	0	100	8,400
<b>Vehicle and Equipment</b>	855	750	460	640	1,280	715	720	415	675	355	6,865
<b>Total Net Expenditures</b>	<b>33,291</b>	<b>67,094</b>	<b>17,316</b>	<b>32,703</b>	<b>74,739</b>	<b>62,184</b>	<b>49,422</b>	<b>37,968</b>	<b>33,628</b>	<b>29,062</b>	<b>437,407</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Buildings	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Transit New Construction	0	0	2,600	10,000	30,000	20,000	0	0	0	0	62,600
Transit Minor Improvements	40	40	40	40	40	40	40	40	40	40	400
<b>Total Net Expenditures</b>	<b>40</b>	<b>40</b>	<b>2,640</b>	<b>10,040</b>	<b>30,040</b>	<b>20,040</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>63,000</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Buildings

##### Transit Minor Improvements

Year	Project	Description	Net Cost ('000's)
2012	Transit Facility Repairs (Minor)	General Facility Repairs	40
2013	Transit Facility Repairs (Minor)	General Facility Repairs	40
2014	Transit Facility Repairs (Minor)	General Facility Repairs	40
2015	Transit Facility Repairs (Minor)	General Facility Repairs	40
2016	Transit Facility Repairs (Minor)	General Facility Repairs	40
2017	Transit Facility Repairs (Minor)	General Facility Repairs	40
2018	Transit Facility Repairs (Minor)	General Facility Repairs	40
2019	Transit Facility Repairs (Minor)	General Facility Repairs	40
2020	Transit Facility Repairs (Minor)	General Facility Repairs	40
2021	Transit Facility Repairs (Minor)	General Facility Repairs	40
<b>Total</b>			<b>400</b>

##### Transit New Construction

Year	Project	Description	Net Cost ('000's)
2014	Transit City Centre Transit Terminal South	Construction	600
2014	Transit Facility # 3	Design	2,000
2015	Transit Facility # 3	Construction	10,000
2016	Transit Facility # 3	Construction	30,000
2017	Transit Facility # 3	Construction	20,000
<b>Total</b>			<b>62,600</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Buses	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Bus Equipment	2,568	1,600	100	5,175	175	200	200	200	200	200	10,618
Bus - Major Maintenance	1,100	1,800	2,500	2,100	1,900	1,860	1,860	1,860	1,860	1,900	18,740
Bus Replacement	0	14,434	9,488	9,488	15,534	15,534	22,867	11,653	27,253	22,867	149,118
Fleet Expansion	0	1,930	1,930	3,020	3,020	3,460	3,460	3,460	3,460	3,460	27,200
<b>Total Net Expenditures</b>	<b>3,668</b>	<b>19,764</b>	<b>14,018</b>	<b>19,783</b>	<b>20,629</b>	<b>21,054</b>	<b>28,387</b>	<b>17,173</b>	<b>32,773</b>	<b>28,427</b>	<b>205,676</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Buses

#### Bus Equipment

Year	Project	Description	Net Cost ('000's)
2012	Transit Radio System Acquisitions - Replacement	Radio replacement for entire bus fleet	2,500
2012	Transit GTA Farecard (PRESTO)	PRESTO BRT stations	68
2013	Transit Customer Information Interfaces	Interactive Voice Recognition (IVR) trip planning, link to click n' ride and shelters with information displays	1,500
2013	Transit Radio System Acquisitions - Growth	Radios for 2013 growth buses	20
2013	Transit Farebox Acquisitions - Growth	Fareboxes for 2013 growth buses	80
2014	Transit Radio System Acquisitions - Growth	Radios for 2014 growth buses	20
2014	Transit Farebox Acquisitions - Growth	Fareboxes for 2014 growth buses	80
2015	Transit Radio System Acquisitions - Growth	Radios for 2015 growth buses	35
2015	Transit Farebox Acquisitions - Replacement	Farebox replacement for entire bus fleet	5,000
2015	Transit Farebox Acquisitions - Growth	Fareboxes for 2015 growth buses	140
2016	Transit Radio System Acquisitions - Growth	Radios for 2016 growth buses	35
2016	Transit Farebox Acquisitions - Growth	Fareboxes for 2016 growth buses	140

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Buses

#### Bus Equipment

Year	Project	Description	Net Cost ('000's)
2017	Transit Radio System Acquisitions - Growth	Radios for 2017 growth buses	40
2017	Transit Farebox Acquisitions - Growth	Fareboxes for 2017 growth buses	160
2018	Transit Radio System Acquisitions - Growth	Radios for 2018 growth buses	40
2018	Transit Farebox Acquisitions - Growth	Fareboxes for 2018 growth buses	160
2019	Transit Radio System Acquisitions - Growth	Radios for 2019 growth buses	40
2019	Transit Farebox Acquisitions - Growth	Fareboxes for 2019 growth buses	160
2020	Transit Radio System Acquisitions - Growth	Radios for 2020 growth buses	40
2020	Transit Farebox Acquisitions - Growth	Fareboxes for 2020 growth buses	160
2021	Transit Radio System Acquisitions - Growth	Radios for 2021 growth buses	40
2021	Transit Farebox Acquisitions - Growth	Fareboxes for 2021 growth buses	160
<b>Total</b>			<b>10,618</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Buses

#### Bus - Major Maintenance

Year	Project	Description	Net Cost ('000's)
2012	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,100
2013	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,800
2014	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	2,500
2015	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	2,100
2016	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,900
2017	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,860
2018	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,860
2019	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,860
2020	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,860
2021	Capital Bus Maintenance - Major Component Rehabilitation/Replacement	Rebuild and replacement of major components (eg. engines, transmissions).	1,900
<b>Total</b>			<b>18,740</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Buses

#### Bus Replacement

Year	Project	Description	Net Cost ('000's)
2013	Transit Bus Acquisitions - Replacement	Replace (10) 2001 - 60' buses & Replace (14) 2001 - 40' buses	14,434
2014	Transit Bus Acquisitions - Replacement	Replace (22) 2003 - 40' Buses	9,488
2015	Transit Bus Acquisitions - Replacement	Replace (22) 2003 - 40' Buses	9,488
2016	Transit Bus Acquisitions - Replacement	Replace (36) 2005 - 40' Buses	15,534
2017	Transit Bus Acquisitions - Replacement	Replace (36) 2005 - 40' Buses	15,534
2018	Transit Bus Acquisitions - Replacement	Replace (53) 2006 - 40' Buses	22,867
2019	Transit Bus Acquisitions - Replacement	Replace (27) 2007 - 40' Buses	11,653
2020	Transit Bus Acquisitions - Replacement	Replace (35) 2008 - 60' buses	27,253
2021	Transit Bus Acquisitions - Replacement	Replace (28) 2008 - 40' buses & Replace (25) 2009 - 40' buses	22,867
<b>Total</b>			<b>149,118</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Buses

#### Fleet Expansion

Year	Project	Description	Net Cost ('000's)
2013	Transit Bus Acquisitions - Growth	(4) 40' Growth buses for 2013	1,930
2014	Transit Bus Acquisitions - Growth	(4) 40' Growth buses for 2014	1,930
2015	Transit Bus Acquisitions - Growth	(7) 40' Growth buses for 2015	3,020
2016	Transit Bus Acquisitions - Growth	(7) 40' Growth buses for 2016	3,020
2017	Transit Bus Acquisitions - Growth	(8) 40' Growth buses for 2017	3,460
2018	Transit Bus Acquisitions - Growth	(8) 40' Growth buses for 2018	3,460
2019	Transit Bus Acquisitions - Growth	(8) 40' Growth buses for 2019	3,460
2020	Transit Bus Acquisitions - Growth	(8) 40' Growth buses for 2020	3,460
2021	Transit Bus Acquisitions - Growth	(8) 40' Growth buses for 2021	3,460
<b>Total</b>			<b>27,200</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit

### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Higher Order Transit	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Bus Rapid Transit	20,503	39,765	8	0	0	0	0	0	0	0	60,276
Hurontario Corridor	6,000	4,800	0	0	0	0	0	0	0	0	10,800
<b>Total Net Expenditures</b>	<b>26,503</b>	<b>44,565</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71,076</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Higher Order Transit

##### Bus Rapid Transit

Year	Project	Description	Net Cost ('000's)
2012	Transit BRT - Bus Acquisition	(15) 40' buses for BRT	5,000
2012	Transit BRT	Detailed Design	1,800
2012	Transit BRT	Construction	13,703
2013	Transit BRT	Transit Priority Infrastructure	14,765
2013	Transit BRT	Construction	25,000
2014	Transit BRT	Bi annual inspection of new Bridges (BRT Busway)	8
<b>Total</b>			<b>60,276</b>

##### Hurontario Corridor

Year	Project	Description	Net Cost ('000's)
2012	Transit Hurontario LRT Study	Hurontario Corridor - Corridor Study (Part 2 of 2)	6,000
2013	Transit Dundas Corridor Study	Dundas Corridor - Phase 2 (Part 1 of 2)	1,000
2013	Transit Dundas Corridor Study	Dundas Corridor - Phase 2 (Part 2 of 2)	2,000
2013	Bridge & Structure Rehab	Cooksville Go Overpass	1,800
<b>Total</b>			<b>10,800</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

On-Street Facilities	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Mini Terminals, Bay and Bus Loops	50	100	50	0	20,150	20,000	20,000	20,100	0	0	80,450
Passenger Shelters, Pads and Signs	275	275	140	140	140	275	275	140	140	140	1,940
<b>Total Net Expenditures</b>	<b>325</b>	<b>375</b>	<b>190</b>	<b>140</b>	<b>20,290</b>	<b>20,275</b>	<b>20,275</b>	<b>20,240</b>	<b>140</b>	<b>140</b>	<b>82,390</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: On-street Facilities

#### Mini Terminals, Bay and Bus Loops

Year	Project	Description	Net Cost ('000's)
2012	Transit Passenger Information - Display Systems/Signage/Solutions	On-going program to improve passenger information	50
2013	Transit Mini Terminals/Bays/Bus Loops - Replacement	Refurbishment of mini terminals, bays and bus loops.	100
2014	Transit Passenger Information - Display Systems/Signage/Solutions	On-going program to improve passenger information	50
2016	Transit/BRT Priority Measures	Various BRT priority measures	20,000
2016	Transit Mini Terminals/Bays/Bus Loops - Replacement	Refurbishment of mini terminals, bays and bus loops.	100
2016	Transit Passenger Info - Display Systems/Signage/Solutions	On-going program to improve passenger information	50
2017	Transit/BRT Priority Measures	Various BRT priority measures	20,000
2018	Transit/BRT Priority Measures	Various BRT priority measures	20,000
2019	Transit/BRT Priority Measures	Various BRT priority measures	20,000
2019	Transit Mini Terminals/Bays/Bus Loops - Replacement	Refurbishment of mini terminals, bays and bus loops.	100
<b>Total</b>			<b>80,450</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: On-street Facilities

#### Passenger Shelters, Pads and Signs

Year	Project	Description	Net Cost ('000's)
2012	Transit Bus Stops/Pads/Signs - Growth	Installation of additional bus stops, pads and signs along new routes and stops.	135
2012	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
2013	Transit Bus Stops/Pads/Signs - Growth	Installation of additional bus stops, pads and signs along new routes and stops.	135
2013	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
2014	Transit Bus Stops/Pads/Signs - Replacement	Installation of additional bus stops, pads and signs along new routes and stops.	140
2015	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
2016	Transit Bus Stops/Pads/Signs - Replacement	Installation of additional bus stops, pads and signs along new routes and stops.	140
2017	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
2017	Transit Bus Stops/Pads/Signs - Growth	Installation of additional bus stops, pads and signs along new routes and stops.	135
2018	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
2018	Transit Bus Stops/Pads/Signs - Growth	Installation of additional bus stops, pads and signs along new routes and stops.	135
2019	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
2020	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
2021	Transit Bus Stops/Pads/Signs - Replacement	Replacement of existing bus stops, pads and signs.	140
<b>Total</b>			<b>1,940</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Other Transit	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Transit Information Systems	1,900	1,500	0	2,000	2,500	0	0	0	0	0	7,900
Transit Surveys	0	100	0	100	0	100	0	100	0	100	500
<b>Total Net Expenditures</b>	<b>1,900</b>	<b>1,600</b>	<b>0</b>	<b>2,100</b>	<b>2,500</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>8,400</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Other Transit

##### Transit Information Systems

Year	Project	Description	Net Cost ('000's)
2012	CAD/AVL/Automated stop announcements	Automated Stop Announcements	1,500
2012	Transit Hastus Module	Replacement of system	400
2013	CAD/AVL/Automated stop announcements	Automated Stop Announcements	1,500
2015	Transit Maintenance Information system	Information system	2,000
2016	Transit Performance metrics monitor	To capture statistical information on the buses	1,000
2016	Transit Terminals	Next Bus Announcement Equipment	1,500
<b>Total</b>			<b>7,900</b>

##### Transit Surveys

Year	Project	Description	Net Cost ('000's)
2013	Transit Passenger Marketing Surveys	Comprehensive survey to solicit feedback from users and non-users which will be used to refine and update the marketing plan.	100
2015	Transit Passenger Marketing Surveys	Comprehensive survey to solicit feedback from users and non-users which will be used to refine and update the marketing plan.	100
2017	Transit Passenger Marketing Surveys	Comprehensive survey to solicit feedback from users and non-users which will be used to refine and update the marketing plan.	100
2019	Transit Passenger Marketing Surveys	Comprehensive survey to solicit feedback from users and non-users which will be used to refine and update the marketing plan.	100
2021	Transit Passenger Marketing Surveys	Comprehensive survey to solicit feedback from users and non-users which will be used to refine and update the marketing plan.	100
<b>Total</b>			<b>500</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Vehicles and Equipment	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Transit Equipment	295	295	295	295	295	295	295	295	295	295	2,950
Transit Vehicles	560	455	165	345	985	420	425	120	380	60	3,915
<b>Total Net Expenditures</b>	<b>855</b>	<b>750</b>	<b>460</b>	<b>640</b>	<b>1,280</b>	<b>715</b>	<b>720</b>	<b>415</b>	<b>675</b>	<b>355</b>	<b>6,865</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Vehicles and Equipment

#### Transit Equipment

Year	Project	Description	Net Cost ('000's)
2012	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2012	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2013	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2013	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2014	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2014	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2015	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2015	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2016	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2016	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2017	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2017	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2018	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2018	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2019	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2019	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2020	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2020	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
2021	Transit Capital Equipment Acquisition - Maintenance Section	Purchase of additional or replacement equipment.	145
2021	Transit VCOM Emergency Communications	Voice Radio Service Amending/Renewal Agreement	150
<b>Total</b>			<b>2,950</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Vehicles and Equipment

##### Transit Vehicles

Year	Project	Description	Net Cost ('000's)
2012	Transit Change-Off Vehicle Acquisitions - Growth	(1) Vehicle for 2012	25
2012	Transit Maintenance Vehicle Acquisitions - Replacement	(1) 1 Ton Service Truck (CPKY) in 2012	80
2012	Transit Route Supervisor Vehicle Acquisitions - Replacement	(3) Vehicles in 2012	105
2012	Transit Security Vehicles & Equipment - BRT Busway	(3) Vehicles in 2012	100
2012	Transit Route Supervisor Vehicle Acquisitions - BRT Busway	(3) Vehicles in 2012	100
2012	Transit Change-Off Vehicle Acquisitions - Replacement	(6) Vehicles in 2012	150
2013	Transit Maintenance Vehicle Acquisitions - Replacement	(1) Vehicle in 2013	40
2013	Transit Route Supervisor Vehicle Acquisitions - Replacement	(9) Vehicles in 2013	315
2013	Transit Security Vehicles & Equipment - Replacement	(2) Vehicles in 2013	100
2014	Transit Maintenance Vehicle Acquisitions - Replacement	(2) Vehicles in 2014	60
2014	Transit Route Supervisor Vehicle Acquisitions - Growth	(1) Vehicle in 2014	35
2014	Transit Route Supervisor Vehicle Acquisitions - Replacement	(2) Vehicles in 2014	70
2015	Transit Maintenance Vehicle Acquisitions - Replacement	(2) Vehicles in 2015	70
2015	Transit Route Supervisor Vehicle Acquisitions - Growth	(1) Vehicle in 2015	35
2015	Transit Route Supervisor Vehicle Acquisitions - Replacement	(4) Vehicles in 2015	140
2015	Transit Security Vehicles & Equipment - Replacement	(2) Vehicles in 2015	100
2016	Transit Maintenance Vehicle Acquisitions - Replacement	(6) Vehicles in 2016	210
2016	Transit Change-Off Vehicles Acquisitions - Replacement	(24) Vehicles in 2016	600

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Transit - Project Listing

#### Program: Vehicles and Equipment

##### Transit Vehicles

Year	Project	Description	Net Cost ('000's)
2016	Transit Route Supervisor Vehicle Acquisitions - Growth	(1) Vehicle in 2016	35
2016	Transit Route Supervisor Vehicle Acquisitions - Replacement	(4) Vehicles in 2016	140
2017	Transit Route Supervisor Vehicle Acquisitions - Growth	(1) Vehicle in 2017	35
2017	Transit Route Supervisor Vehicle Acquisitions - Replacement	(3) Vehicles in 2017	105
2017	Transit Security Vehicles & Equipment - Replacement	(3) Vehicles in 2017	150
2017	Transit Change-Off Vehicles Acquisitions - Growth	(1) Vehicle in 2017	25
2017	Transit Change-Off Vehicles Acquisitions - Replacement	(1) Vehicle in 2017	25
2017	Transit Maintenance Vehicle Acquisitions - Replacement	(2) Vehicles in 2017	80
2018	Transit Route Supervisor Vehicle Acquisitions - Replacement	(9) Vehicles in 2018	315
2018	Transit Change-Off Vehicles Acquisitions - Replacement	(3) Vehicles in 2018	75
2018	Transit Maintenance Vehicle Acquisitions - Replacement	(1) Vehicle in 2018	35
2019	Transit Change-Off Vehicles Acquisitions - Replacement	(2) Vehicles in 2019	50
2019	Transit Route Supervisor Vehicle Acquisitions - Replacement	(2) Vehicles in 2019	70
2020	Transit Route Supervisor Vehicle Acquisitions - Replacement	(3) Vehicles in 2020	105
2020	Transit Change-Off Vehicles Acquisitions - Replacement	(7) Vehicles in 2020	175
2020	Transit Security Vehicles & Equipment - Replacement	(2) Vehicles in 2020	100
2021	Transit Change-Off Vehicles Acquisitions - Growth	(1) Vehicle in 2021	25
2021	Transit Route Supervisor Vehicle Acquisitions - Replacement	(1) Vehicle in 2020	35
<b>Total</b>			<b>3,915</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Program (000's)

Recreation and Parks	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
City Wide Facilities	5,024	9,924	12,395	6,482	4,727	8,704	8,441	4,525	5,702	4,663	70,587
City Wide Recreation	460	6,471	11,200	9,512	8,729	7,094	8,543	0	0	8,000	60,009
Facility Renovations and Rehabilitations	438	438	438	438	438	438	438	438	438	438	4,380
Park Facility Installation	1,012	1,180	0	230	1,295	564	0	1,604	0	0	5,885
Park Redevelopment	2,964	1,706	2,607	1,854	1,708	1,657	2,146	2,465	1,386	2,883	21,376
Parkland Acquisition	0	27,315	6,500	3,500	10,344	5,000	10,000	10,000	10,700	9,000	92,359
Parkland Development	318	863	1,882	327	2,858	2,866	3,946	2,072	8,240	8,823	32,194
Parks Maintenance	1,064	738	598	943	487	522	539	882	591	526	6,890
Sports Field Maintenance	503	815	1,685	455	322	392	1,242	322	393	1,441	7,570
Urban Forestry	1,848	1,672	1,784	1,672	1,784	1,672	1,784	1,672	1,784	1,672	17,344
Vehicles, Equipment	1,762	1,382	1,217	1,007	1,187	1,010	1,017	967	1,257	967	11,773
<b>Total Net Expenditures</b>	<b>15,393</b>	<b>52,504</b>	<b>40,306</b>	<b>26,419</b>	<b>33,879</b>	<b>29,919</b>	<b>38,096</b>	<b>24,947</b>	<b>30,491</b>	<b>38,413</b>	<b>330,366</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

City Wide Facilities	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Bicycle/Pedestrian System	704	891	5,116	2,190	1,710	4,287	1,663	1,737	738	825	19,861
City Centre Development	409	1,480	1,380	0	620	3,838	2,007	0	585	1,957	12,276
Parkway Belt Development	2,162	0	0	0	0	0	0	0	0	0	2,162
Planning and Development Studies	489	431	181	362	81	189	431	81	81	81	2,407
Riverwood Park Development	0	282	794	490	338	0	0	0	0	0	1,904
Waterfront Development	1,260	6,840	4,924	3,440	1,978	390	4,340	2,707	4,298	1,800	31,978
<b>Total Net Expenditures</b>	<b>5,024</b>	<b>9,924</b>	<b>12,395</b>	<b>6,482</b>	<b>4,727</b>	<b>8,704</b>	<b>8,441</b>	<b>4,525</b>	<b>5,702</b>	<b>4,663</b>	<b>70,587</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: City Wide Facilities

#### Bicycle/ Pedestrian System

Year	Project	Description	Net Cost ('000's)
2012	Sawmill Valley Trail	Multi-use trail - design - Erin Mills to Burnhamthorpe	56
2012	Cedarbrae Park Trail Extension	Multi-use trail - design and construction	17
2012	Various Routes	Multi-use trails - design and construction - primarily section of Hydro One Corridor - Lakeshore Royal Winsor Trail, as part of 2010 Cycling Master Plan	630
2013	Edward L. Scarlett Park	Multi-use trail - design	107
2013	Erindale Park	Required future maintenance	167
2013	Sawmill Valley Trail	Multi-use trail - construction - Erin Mills to Burnhamthorpe	318
2013	Sawmill Valley Trail	Multi-use trail - design - Bird Property Link	59
2013	Various Routes	Multi-use trails - design and construction - primarily section of Highway 403 Utility Corridor Trail, as part of 2010 Cycling Master Plan	240
2014	Sawmill Valley Trail	Multi-use trail - construction - Bird Property Link	365
2014	Edward L. Scarlett Park	Multi-use trail - construction	541
2014	Erindale Park	Required future maintenance	202
2014	Various Routes	Multi-use trails - design and construction - primarily section of Hydro One Corridor - Lakeshore Royal Winsor Trail and Etobicoke Creek Trail, as part of 2010 Cycling Master Plan	4,008
2015	Various Routes	Multi-use trails - design and construction - primarily section of Highway 403 Utility Corridor Trail, Culham Trail, and Queensway Trail, as part of 2010 Cycling Master Plan	2,190
2016	Various Routes	Multi-use trails - design and construction - primarily section of Culham Trail, East Hydro One Corridor Trail, Fletcher's Creek Trail, and Hydro One Corridor - North of Highway 401, as part of 2010 Cycling Master Plan	1,710
2017	Various Routes	Multi-use trails - design and construction - primarily section of Highway 403 Utility Corridor Trail, Fletcher's Creek Trail and Hydro One Corridor - North of Highway 401, as part of 2010 Cycling Master Plan	4,287
2018	Bishopstoke Walk	Multi-use trails - design and construction - cash flow funding	274
2018	Various Routes	Multi-use trails - design and construction - primarily section of East Hydro One Corridor Trail, as part of 2010 Cycling Master Plan	1,389
2019	Bishopstoke Walk	Multi-use trails - design and construction - cash flow funding	411
2019	Various Routes	Multi-use trails - design and construction - primarily section of Cooksville Creek Trail, Culham Trail and Mullet Creek Trail, as part of 2010 Cycling Master Plan	1,326
2020	Various Routes	Multi-use trails - design and construction - primarily section of Cooksville Creek Trail, as part of 2010 Cycling Master Plan	738
2021	Various Routes	Multi-use trails - design and construction - primarily section of Culham Trail, as part of 2010 Cycling Master Plan	825
<b>Total</b>			<b>19,861</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: City Wide Facilities

#### City Centre Development

Year	Project	Description	Net Cost ('000's)
2012	Not Yet Named P_507 (Sheridan)	Park development - design	358
2012	City Centre Grounds	Jubilee Garden pavement life cycle repairs	51
2013	Celebration Square	Wall of fame	100
2013	Not Yet Named P_507 (Sheridan)	Park development - construction	1,380
2014	Not Yet Named P_507 (Sheridan)	Park development - construction	1,380
2016	Zonta Meadows	Addition to Zonta Meadows - design	420
2016	Zonta Meadows	Amenities and service building - design	100
2016	Zonta Meadows	Park redevelopment - Swale - design	50
2016	Zonta Meadows	Park redevelopment - design	50
2017	Zonta Meadows	Amenities and service building - construction	900
2017	Zonta Meadows	Commission and install art work	350
2017	Zonta Meadows	Park redevelopment - swale - construction	450
2017	Zonta Meadows	Park redevelopment - construction	450
2017	Zonta Meadows (addition)	Commission and install art work	350
2017	Zonta Meadows (addition)	Construction - cash flow funding	1,338
2018	Zonta Meadows (addition)	Construction - cash flow funding	2,007
2020	Not Yet Named P_509 (City Centre)	Basic development - design	235
2020	Not Yet Named P_509 (City Centre)	Commission and install art work	350
2020	Not Yet Named P_509 (City Centre)	Basic development - construction	1,957
<b>Total</b>			<b>12,276</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: City Wide Facilities

##### Parkway Belt Development

Year	Project	Description	Net Cost ('000's)
2012	Not Yet Named P_302	Basic development - construction - cash flow funding	2,162
<b>Total</b>			<b>2,162</b>

##### Planning and Development Studies

Year	Project	Description	Net Cost ('000's)
2012	Future Directions	Future Directions background study	108
2012	Future Directions	Natural Heritage System Strategy study	300
2012	Various Community Parks	Site investigations, appraisals and audits	81
2013	Future Directions	Recreation and Parks Future Directions 30 year review	200
2013	Various Community Parks	Site investigations, appraisals and audits	81
2013	Various Waterfront Parks	Waterfront Strategy study (5 year review)	150
2014	Various Community Parks	Asset management program	100
2014	Various Community Parks	Site investigations, appraisals and audits	81
2015	Not Yet Named P_389 (Fusion)	Site pre-development studies	181
2015	Various Community Parks	Asset management program	100
2017	Future Directions	Future Directions background study	108
2018	Future Directions	Recreation & Parks Future Directions 30 year review	200
2018	Various Waterfront Parks	Waterfront Strategy study (5 year review)	150
2015-2021	Various Community Parks	Site investigations, appraisals and audits	567
<b>Total</b>			<b>2,407</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: City Wide Facilities

##### Riverwood Park Development

Year	Project	Description	Net Cost ('000's)
2013	Riverwood	Chappell House exterior and rear terrace - design	108
2013	Riverwood	Park front entrance and peripheral areas phase 2 - design	174
2014	Riverwood	Chappell House exterior and rear terrace - construction	395
2014	Riverwood	MacEwan barn expansion washrooms - design	72
2014	Riverwood	Park front entrance and peripheral areas phase 2 - construction - cash flow funding	327
2015	Riverwood	Park front entrance and peripheral areas phase 2 - construction - cash flow funding	490
2016	Riverwood	MacEwan barn expansion washrooms - construction	338
<b>Total</b>			<b>1,904</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: City Wide Facilities

#### Waterfront Development

Year	Project	Description	Net Cost ('000's)
2012	Jack Darling Memorial Park	Restore failing shoreline - design	60
2012	Not Yet Named P_389 (Fusion)	Basic development - phase 1	1,200
2013	Jack Darling Memorial Park	Restore failing shoreline - construction	158
2013	Not Yet Named P_358 (Arsenal)	Washrooms - construction	900
2013	Not Yet Named P_358 (Arsenal)	Construction - cash flow funding	4,950
2013	Marina Park	Rivergate Walk design - connecting walkway along the Credit River shoreline to J.C. Saddington Park	117
2013	Marina Park	Basic development - design	525
2013	Port Credit Memorial Park (West)	Basic development - design	190
2014	Marina Park	Rivergate Walk construction - connecting walkway along the Credit River shoreline to J.C. Saddington Park - cash flow funding	500
2014	Marina Park	Basic development - construction - cash flow funding	3,674
2014	Port Credit Memorial Park (West)	Shoreline and site preparation - construction - cash flow funding	400
2014	Various Bike Route Parks	Construction - pathway link under Lakeshore Road bridge	350
2015	Marina Park	Basic development - construction - cash flow funding	1,574
2015	Marina Park	Rivergate Walk construction - connecting walkway along the Credit River shoreline to J.C. Saddington Park - cash flow funding	666
2015	Port Credit Memorial Park (West)	Shoreline and site preparation - construction - cash flow funding	500
2015	Various Waterfront Parks	Restore failing shoreline	700
2016	Port Credit Memorial Park (West)	Basic development - construction	1,166
2016	J.C. Saddington Park	Redevelopment of existing parkland - detailed design	812

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: City Wide Facilities

#### Waterfront Development

Year	Project	Description	Net Cost ('000's)
2017	Not Yet Named P_389 (Fusion)	Washrooms - design	64
2017	Not Yet Named P_389 (Fusion)	Basic development - design - cash flow funding	327
2018	Not Yet Named P_389 (Fusion)	Basic development - design - cash flow funding	390
2018	J.C. Saddington Park	Redevelopment of existing parkland - shoreline and site preparation	3,600
2018	Various Waterfront Parks	Design and install wayfinds and interpretation signage	350
2019	Not Yet Named P_389 (Fusion)	Basic development - construction - cash flow funding	965
2019	J.C. Saddington Park	Land based development - construction	1,000
2019	Not Yet Named P_389 (Fusion)	Play equipment - new larger standard	106
2019	Not Yet Named P_389 (Fusion)	Washrooms - construction	636
2020	Not Yet Named P_389 (Fusion)	Basic development - construction - cash flow funding	4,298
2021	Not Yet Named P_389 (Fusion)	Basic development - construction - cash flow funding	1,800
<b>Total</b>			<b>31,978</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

City Wide Recreation	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Recreation Facilities	400	6,471	11,200	9,512	8,729	7,094	8,543	0	0	8,000	59,949
Recreation and Parks Studies	60	0	0	0	0	0	0	0	0	0	60
<b>Total Net Expenditures</b>	<b>460</b>	<b>6,471</b>	<b>11,200</b>	<b>9,512</b>	<b>8,729</b>	<b>7,094</b>	<b>8,543</b>	<b>0</b>	<b>0</b>	<b>8,000</b>	<b>60,009</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: City Wide Recreation

##### Recreation Facilities

Year	Project	Description	Net Cost ('000's)
2012	Malton School Pool	Demolition/decommissioning.	200
2012	P459 - Sports Park and Community Facilities	Development of a concept plan and program to initiate Official Plan and rezoning applications to permit a community facility and outdoor sports fields on the lands. The community facility (pool and gymnasium) is to be funded and constructed by a partner and the outdoor fields and amenities are to be funded and constructed by the City. The City will also design and fund accessory indoor amenity space in conjunction with the community facility.	200
2013	Meadowvale Community Centre	Major capital renovation to accommodate the re-located library branch and address deficiencies (office and storage space). Will also provide lifecycle repairs and add new amenities (double sports gymnasium, therapy pool, family change rooms, cash counting room and expand fitness program space to meet demand) and implement environmental initiatives. Cash flow funding	6,471
2014	Meadowvale Community Centre	Major capital renovation to accommodate the re-located library branch and address deficiencies (office and storage space). Will also provide lifecycle repairs and add new amenities (double sports gymnasium, therapy pool, family change rooms, cash counting room and expand fitness program space to meet demand) and implement environmental initiatives. Cash flow funding	9,500
2014	P459 - Sports Park and Community Facilities	Design portion for the development of outdoor sports fields and other recreational amenities. Also includes the design of City indoor amenity space in association with a partner on the construction of a major community facility.	1,700
2015	Meadowvale Community Centre	Major capital renovation to accommodate the re-located library branch and address deficiencies (office and storage space). Will also provide lifecycle repairs and add new amenities (double sports gymnasium, therapy pool, family change rooms, cash counting room and expand fitness program space to meet demand) and implement environmental initiatives. Cash flow funding	3,012
2015	River Grove Community Centre	Capital renovation to address the undersized change rooms in aquatics through building expansion. This project will also address security and utilization improvements throughout the existing 18,500 sq ft of space, improving HVAC issues, fitness program space requirements and environmental initiatives. Cash flow funding	6,500
2016	River Grove Community Centre	Capital renovation to address the undersized change rooms in aquatics through building expansion. This project will also address security and utilization improvements throughout the existing 18,500 sq ft of space, improving HVAC issues, fitness program space requirements and environmental initiatives. Cash flow funding	635
2016 -2018	P459 - Sports Park and Community Facilities	Construction portion of the outdoor sports fields and other recreational amenities including City indoor amenity space in association with the construction of a major community facility by a partner. Cash flow funding	16,731
2018	Iceland Arena	Design and construction to address the ancillary space requirements to maximize utilization.	7,000
2021	South Common Community Centre	Design and construction to address the utilization of all major programming areas, specifically fitness and general program space requirements.	8,000
<b>Total</b>			<b>59,949</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Recreation and Parks Service - Project Listing

#### Program: City Wide Recreation

#### Recreation and Parks Studies

Year	Project	Description	Net Cost ('000's)
2012	Iceland Arena Study	To address the ancillary space requirements at Iceland Arena to maximize utilization.	60
Total			60

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Facility Renovations and Rehabilitation Projects	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Community Centre Renovate and Rehabilitate	438	438	438	438	438	438	438	438	438	438	4,380
<b>Total Net Expenditures</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>438</b>	<b>4,380</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Recreation and Parks Service - Project Listing

#### Program: Facility Renovations and Rehabilitations

##### Community Centre Renovate and Rehabilitate

Year	Project	Description	Net Cost ('000's)
2012	Various Community Centres	Minor rehabilitation projects	438
2013	Various Community Centres	Minor rehabilitation projects	438
2014	Various Community Centres	Minor rehabilitation projects	438
2015-2021	Various Community Centres	Minor rehabilitation projects	3,066
<b>Total</b>			<b>4,380</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Park Facility Installation	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Cricket Pitch	0	0	0	49	484	0	0	532	0	0	1,065
Outdoor Basketball	0	0	0	61	0	122	0	61	0	0	244
Play Equipment	159	0	0	0	571	0	0	1,011	0	0	1,741
Sports Field	215	0	0	120	240	120	0	0	0	0	695
Spray Pads	0	0	0	0	0	322	0	0	0	0	322
Washrooms	638	1,180	0	0	0	0	0	0	0	0	1,818
<b>Total Net Expenditures</b>	<b>1,012</b>	<b>1,180</b>	<b>0</b>	<b>230</b>	<b>1,295</b>	<b>564</b>	<b>0</b>	<b>1,604</b>	<b>0</b>	<b>0</b>	<b>5,885</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Park Facility Installation

##### Cricket Pitch

Year	Project	Description	Net Cost ('000's)
2015	Not Yet Named P_448 (Loreland)	Design	49
2016	Not Yet Named P_448 (Loreland)	Construction	484
2019	Not Yet Named P_302 (Parkway Belt)	Installation of primary use cricket pitch	532
<b>Total</b>			<b>1,065</b>

##### Outdoor Basketball

Year	Project	Description	Net Cost ('000's)
2015	Location to be determined	Installation of basketball - unlit full court (2 hoops)	61
2017	Zonta Meadows	Installation of basketball - unlit full court (4 hoops)	122
2019	Not Yet Named F_034 (Pinnacle)	Installation of basketball - unlit full court (2 hoops)	61
<b>Total</b>			<b>244</b>

##### Play Equipment

Year	Project	Description	Net Cost ('000's)
2012	Not Yet Named P_509 (City Centre)	Design and construction - multi-use ramp facility	159
2016	Jaycee Park	Playground - inclusive	465
2016	Not Yet Named P_459 (Ninth Line)	Playground - design & construction	106
2019	Not Yet Named F_034 (Pinnacle)	Playground - standard	81
2019	Elmcreek Park	Playground - inclusive	465
2019	River Grove Park	Playground - inclusive	465
<b>Total</b>			<b>1,741</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Park Facility Installation

##### Sports Field

Year	Project	Description	Net Cost ('000's)
2012	Petro Canada Park	Convert Leash Free/Softball Facility to Soccer Use	215
2015	Brookmede Park	2 unlit tennis courts - construction	120
2016	Thorncrest Park	2 unlit tennis courts - construction	120
2016	Location to be determined	2 unlit tennis courts - construction	120
2017	Location to be determined	2 unlit tennis courts - construction	120
<b>Total</b>			<b>695</b>

##### Spray Pads

Year	Project	Description	Net Cost ('000's)
2017	Zonta Meadows	Spray pad - design and construction	322
<b>Total</b>			<b>322</b>

##### Washrooms

Year	Project	Description	Net Cost ('000's)
2012	Fallingbrook Park	Washrooms - construction	580
2012	Garnetwood Park	Washrooms - design	58
2013	Hershey Centre Sportszone South	Washrooms - construction	600
2013	Garnetwood Park	Washrooms - construction	580
<b>Total</b>			<b>1,818</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Park Redevelopment	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Bridges & Underpasses	449	858	821	464	114	114	220	114	114	0	3,268
Major Redevelopment	0	0	0	0	0	0	0	827	0	513	1,340
Park Improvements	1,240	427	946	550	670	600	980	600	600	2,370	8,984
Playground Redevelopment	1,275	420	840	840	924	943	946	924	672	0	7,784
<b>Total Net Expenditures</b>	<b>2,964</b>	<b>1,706</b>	<b>2,607</b>	<b>1,854</b>	<b>1,708</b>	<b>1,657</b>	<b>2,146</b>	<b>2,465</b>	<b>1,386</b>	<b>2,883</b>	<b>21,376</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Park Redevelopment

##### Bridges and Underpasses

Year	Project	Description	Net Cost ('000's)
2012	Barbertown Bridge	Historical bridge rehabilitation - cash flow funding	200
2012	Garnetwood Park	Replace existing culvert with bridge	135
2012	Various Neighbourhood Parks	Repair approaches, decks and railings	114
2013	Not Yet Named P_492 (Fletchers Creek, North of Derry)	Trail & bridge construction	287
2013	Barbertown Bridge	Historical bridge rehabilitation - cash flow funding	400
2013	Camilla Park	East abutment repair - railing replacement	57
2013	Various Neighbourhood Parks	Repair approaches, decks and railings	114
2014	Barbertown Bridge	Historical bridge rehabilitation - cash flow funding	400
2014	Lake Wabukayne Trail	Repair approaches, decks and repaint superstructures	220
2014	Various Neighbourhood Parks	Structural evaluation review	87
2014	Various Neighbourhood Parks	Repair approaches, decks and railings	114
2015	Marina Park	Pedestrian bridge - deck surface and structural repairs	350
2018	Adamson Estate	Boardwalk deck	106
2015-2021	Various Neighbourhood Parks	Repair approaches, decks and railings	684
<b>Total</b>			<b>3,268</b>

##### Major Redevelopment

Year	Project	Description	Net Cost ('000's)
2019	Wildwood Park	Design	827
2021	Streetsville Memorial Park	Design	513
<b>Total</b>			<b>1,340</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Park Redevelopment

##### Park Improvements

Year	Project	Description	Net Cost ('000's)
2012	Lakefront Promenade	Spray pad and landscape improvements - construction	825
2012	Meadowvale Hall	Landscape improvements - design	36
2012	Fallingbrook Community Park	Spray pad Repairs	61
2012	Manor Hill	Site improvements	38
2012	Port Credit Memorial Park	Improvement of Pavilion & Plaza Area for Performances	280
2013	Courtneypark Athletic Fields	Batting Cage - Cricket	60
2013	Father Joseph A. Nolan Park	Landscape improvements - design	67
2013	Meadowvale Hall	Landscape improvements - construction	300
2014	Richard's Memorial Park	Replacement of existing picnic shelter	319
2014	Father Joseph A. Nolan Park	Landscape improvements - construction	480
2014	Meadowvale Conservation Area	Landscape improvements	147
2016	Mississauga Valley	Provide new picnic shelter in picnic area 'A'	300
2018	Jack Darling Memorial Park	Replacement - picnic shelter and water services	380
2015-2021	Various Community Parks	Landscape improvements - various park assessments	5,690
<b>Total</b>			<b>8,984</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Park Redevelopment

##### Playground Redevelopment

Year	Project	Description	Net Cost ('000's)
2012	Clarkson Park	Replacement of play equipment and landscape improvements	84
2012	Forest Hill Park	Replacement of play equipment and landscape improvements	84
2012	Gatineau Green	Replacement of play equipment and landscape improvements	84
2012	Glen Erin Trail	Replacement of play equipment and landscape improvements	84
2012	Glen Erin Woodlands	Replacement of play equipment and landscape improvements	84
2012	Hiawatha Park	Replacement of play equipment and landscape improvements	84
2012	John "Bud" Cleary Park	Replacement of play equipment and landscape improvements	64
2012	Kogaydiwin Park	Replacement of play equipment and landscape improvements	84
2012	Lake Aquitaine	Replacement of play equipment and landscape improvements	105
2012	Ron Searle Park	Replacement of play equipment and landscape improvements	84
2012	Rosebush Common	Replacement of play equipment and landscape improvements	84
2012	Thornlodge Park	Replacement of play equipment and landscape improvements	84
2012	Trapper's Green	Replacement of play equipment and landscape improvements	25
2012	Various Community Parks	Play Equipment Replacement - emergency repairs	84
2012	Various Community Parks	Play Equipment Replacement - sand replacements	96
2012	Various Community Parks	Play Equipment Replacement & Landscape Improvements	61
2013	Castlebridge Common	Replacement of play equipment and landscape improvements	84
2013	Garnetwood Park	Replacement of play equipment and landscape improvements	84
2013	Manor Hill	Replacement of play equipment and landscape improvements	84
2013	Orchard Hill	Replacement of play equipment and landscape improvements	84
2013	Sherwood Green	Replacement of play equipment and landscape improvements	84

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Park Redevelopment

##### Playground Redevelopment

Year	Project	Description	Net Cost ('000's)
2014	Bell Harbour Park	Replacement of play equipment and landscape improvements	84
2014	Century City	Replacement of play equipment and landscape improvements	84
2014	F.B. McFarren Memorial Park	Replacement of play equipment and landscape improvements	84
2014	Frank Dowling Park	Replacement of play equipment and landscape improvements	84
2014	Malton Village Park	Replacement of play equipment and landscape improvements	84
2014	Northwood Park	Replacement of play equipment and landscape improvements	84
2014	Victory Park	Replacement of play equipment and landscape improvements	84
2014	Various Community Parks	Replacement of play equipment and landscape improvements	252
2015-2021	Various Neighbourhood Parks	Replacement of play equipment and landscape improvements	5,249
<b>Total</b>			<b>7,784</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Parkland Acquisition	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Community Parkland	0	13,745	5,500	2,500	9,344	4,000	9,000	9,000	9,700	8,000	70,789
Greenbelt Acquisition	0	13,570	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	21,570
<b>Total Net Expenditures</b>	<b>0</b>	<b>27,315</b>	<b>6,500</b>	<b>3,500</b>	<b>10,344</b>	<b>5,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,700</b>	<b>9,000</b>	<b>92,359</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Recreation and Parks Service - Project Listing

#### Program: Parkland Acquisition

##### Community Parkland

Year	Project	Description	Net Cost ('000's)
2012-2021	Community Parks	Various waterfront and school sites subject to availability	70,789
<b>Total</b>			<b>70,789</b>

##### Greenbelt Acquisition

Year	Project	Description	Net Cost ('000's)
2012-2021	Greenbelt	Various greenbelt sites subject to availability	21,570
<b>Total</b>			<b>21,570</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Parkland Development	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Community Parks	318	863	1,882	327	2,858	2,866	3,094	2,072	6,696	8,823	29,798
Greenbelt Lands	0	0	0	0	0	0	852	0	1,544	0	2,395
<b>Total Net Expenditures</b>	<b>318</b>	<b>863</b>	<b>1,882</b>	<b>327</b>	<b>2,858</b>	<b>2,866</b>	<b>3,945.68</b>	<b>2,072</b>	<b>8,240</b>	<b>8,823</b>	<b>32,194</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Parkland Development

##### Community Parks

Year	Project	Description	Net Cost ('000's)
2012	Not Yet Named P_508 (Woodlands Nursery)	Basic development - design	68
2012	Not Yet Named P_459 (Ninth Line)	Planning approvals undertaking	100
2012	Not Yet Named P_505 (Credit Valley property)	Road works to provide fire and emergency services access	150
2013	Erindale Park Addition	Basic development - design	42
2013	Malton Village Park	Construction - cash flow funding	221
2013	Not Yet Named P_403 Addition	Basic development - design	7
2013	Not Yet Named P_508 (Woodlands Nursery)	Basic development - construction	571
2013	McCracken Community Park Addition	Basic development - design	22
2014	Malton Village Park	Construction - cash flow funding	515
2014	Erindale Park Addition	Basic development - construction	295
2014	Not Yet Named P_403 Addition	Basic development - construction	74
2014	McCracken Community Park Addition	Basic development - construction	215
2014	Not Yet Named P_459 (Ninth Line)	Basic development - design	548
2014	Not Yet Named P_505 (Credit Valley property)	Basic development - design	211
2014	Twin Spruce Park	Development of park addition - design	24
2015	Not Yet Named P_448 (Loreland)	Basic development - design	26
2015	Twin Spruce Park	Development of park addition - construction	301
2016	Not Yet Named F_429 (Plumtree Park Replacement)	Basic development - design and construction - including multi-use ramp facility	600
2016	Not Yet Named P_448 (Loreland)	Basic development - construction	258
2016	Not Yet Named P_459 (Ninth Line)	Basic development - construction - cash flow funding	2,000

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Parkland Development

#### Community Parks

Year	Project	Description	Net Cost ('000's)
2017	Not Yet Named P_459 (Ninth Line)	Basic development - construction - cash flow funding	2,021
2017	Not Yet Named P_505 (Credit Valley property)	Basic development - construction - cash flow funding	845
2018	Not Yet Named P_505 (Credit Valley property)	Basic development - construction - cash flow funding	2,166
2018	Not Yet Named F_411 (Downtown 21 Master Plan)	Future park development - design	483
2018	Not Yet Named F_034 (Pinnacle)	Basic development - design	133
2018	Not Yet Named P_462 (Pinchin)	Basic development - design - cash flow funding	312
2019	Not Yet Named F_034 (Pinnacle)	Basic development - construction - cash flow funding	530
2019	Not Yet Named F_034 (Pinnacle)	Pedestrian bridge over Cooksville Creek	293
2019	Not Yet Named P_462 (Pinchin)	Basic development - design - cash flow funding	1,249
2020	Not Yet Named F_034 (Pinnacle)	Basic development - construction - cash flow funding	795
2020	Not Yet Named F_411 (Downtown 21 Master Plan)	Future park development - construction	4,028
2020	Not Yet Named P_462 (Pinchin)	Basic development - design - cash flow funding	1,873
2021	Various Credit Valley Lands	Future park development - design and construction	8,823
<b>Total</b>			<b>29,798</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Parkland Development

##### Greenbelt Lands

Year	Project	Description	Net Cost ('000's)
2018	Not Yet Named F_071 (Credit Valley property)	Basic development - design	816
2018	Not Yet Named F_073 (Credit Valley property)	Basic development - design	35
2020	Not Yet Named F_071 (Credit Valley property)	Basic development - construction	1,225
2020	Not Yet Named F_073 (Credit Valley property)	Basic development - construction	319
<b>Total</b>			<b>2,395</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Parks Maintenance	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Cemetery Improvements	150	0	51	251	0	0	52	0	40	44	588
Golf Course Maintenance	280	275	110	51	56	91	56	451	120	51	1,541
Other Park Improvements	383	81	81	81	81	81	81	81	81	81	1,112
Pathway Lighting Improvements	32	24	6	0	0	0	0	0	0	0	62
Pathway Reconstruction	102	268	270	480	270	270	270	270	270	270	2,740
Turf Renovation Program	25	30	20	20	20	20	20	20	20	20	215
Water Services	92	60	60	60	60	60	60	60	60	60	632
<b>Total Net Expenditures</b>	<b>1,064</b>	<b>738</b>	<b>598</b>	<b>943</b>	<b>487</b>	<b>522</b>	<b>539</b>	<b>882</b>	<b>591</b>	<b>526</b>	<b>6,890</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Parks Maintenance

##### Cemetery Improvements

Year	Project	Description	Net Cost ('000's)
2013	Various Cemeteries	Cemetery database system	150
2014	Various Cemeteries	Various improvements	51
2015	Britannia Church Cemetery	Cemetery maintenance, restoration and preservation	251
2018-2021	Various Cemeteries	Various improvements	136
<b>Total</b>			<b>588</b>

##### Golf Course Maintenance

Year	Project	Description	Net Cost ('000's)
2012	BraeBen Golf Course	Various maintenance	30
2013	BraeBen Golf Course	Various maintenance	25
2014	BraeBen Golf Course	Various maintenance	30
2015-2021	BraeBen Golf Course	Various maintenance	654
2012	Lakeview Golf Course	Upgrade irrigation system	250
2013	Lakeview Golf Course	Upgrade irrigation system	250
2014	Lakeview Golf Course	On course washroom facilities	54
2014	Lakeview Golf Course	Various maintenance	26
2015-2021	Lakeview Golf Course	Various maintenance	222
<b>Total</b>			<b>1,541</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Parks Maintenance

##### Other Park Improvements

Year	Project	Description	Net Cost ('000's)
2012	J. J. Plaus Park	Refurbish sign program	28
2012	Lakefront Promenade	Refurbish sign program	39
2012	Marina Launch Ramps	Replacement of three (3) boat ramps.	25
2012	Tom Chater Memorial Park	Pathway drainage repair	60
2012	Various Neighbourhood Parks	Installation of park and greenbelt fencing	51
2012	Various Neighbourhood Parks	Replacement of park furnishings	30
2012	Various Ward 9 Neighbourhood Parks	Other park improvements	150
2013	Various Neighbourhood Parks	Installation of park and greenbelt fencing	51
2013	Various Neighbourhood Parks	Replacement of park furnishings	30
2014	Various Neighbourhood Parks	Installation of park and greenbelt fencing	51
2014	Various Neighbourhood Parks	Replacement of park furnishings	30
2015-2021	Various Neighbourhood Parks	Other park improvements	567
<b>Total</b>			<b>1,112</b>

##### Pathway Lighting Improvements

Year	Project	Description	Net Cost ('000's)
2012	Samuelson Park	Installation of new pathway and playground lighting	32
2013	Rockwood Glen	Installation of new pathway lighting	24
2014	Various Neighbourhood Parks	Installation of new pathway lighting	6
<b>Total</b>			<b>62</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Parks Maintenance

##### Pathway Reconstruction

Year	Project	Description	Net Cost ('000's)
2012	Lakefront Promenade	New asphalt required on the pathway to the sailing club	11
2012	Meadow Green	Replace and widen entire pathway in park - phase 2	91
2013	Malton Greenway	Reconstruction from Brandon Gate to Discus Crescent	177
2013	Tillsdown Park	Pathway reconstruction from Sir Monty Drive to the river	32
2013	Various Neighbourhood Parks	Various pathway reconstructions and emergency repairs	59
2014	Helen Molasy Memorial Park	Cooksville Creek South - trail reconstruction - design	50
2014	Various Parks	Various pathway reconstructions and emergency repairs	220
2015-2021	Various Parks	Various pathway reconstructions and emergency repairs	2,100
<b>Total</b>			<b>2,740</b>

##### Turf Renovation Program

Year	Project	Description	Net Cost ('000's)
2012	Sandgate Park	Turf rehabilitation - aerification and overseeding	5
2012	Various Neighbourhood Parks	Turf rehabilitation - aerification and overseeding	20
2013	Meadow Park	Turf rehabilitation - aerification and overseeding	10
2013	Various Neighbourhood Parks	Turf rehabilitation - aerification and overseeding	20
2014	Various Neighbourhood Parks	Turf rehabilitation - aerification and overseeding	20
2015-2021	Various Neighbourhood Parks	Turf rehabilitation - aerification and overseeding	140
<b>Total</b>			<b>215</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Recreation and Parks Service - Project Listing

#### Program: Parks Maintenance

##### Water Services

Year	Project	Description	Net Cost ('000's)
2012	Various Neighbourhood Parks	Backflow preventer retrofit	92
2013	Various Neighbourhood Parks	Water service	60
2014	Various Neighbourhood Parks	Water service	60
2015-2021	Various Neighbourhood Parks	Water service	420
<b>Total</b>			<b>632</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Sports Field Maintenance	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Lit Sports Field Maintenance	256	643	1,435	172	172	178	1,002	172	178	1,257	5,465
Tennis Court Maintenance	120	133		133		64	90		65	34	639
Unlit Sports Field Maintenance	127	39	250	150	150	150	150	150	150	150	1,466
<b>Total Net Expenditures</b>	<b>503</b>	<b>815</b>	<b>1,685</b>	<b>455</b>	<b>322</b>	<b>392</b>	<b>1,242</b>	<b>322</b>	<b>393</b>	<b>1,441</b>	<b>7,570</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Sports Field Maintenance

##### Lit Sports Field Maintenance

Year	Project	Description	Net Cost ('000's)
2012	Quenippenon Meadows	Fencing, irrigation and drainage	106
2012	South Common	Reconstruction - lit softball	150
2013	Brickyard Park	Upgrade to turf	46
2013	Fallingbrook Community Park	Design/reconstruction	164
2013	Meadowvale Sports Park	Repair, renovation of the soccer and baseball diamonds (3)	261
2013	Meadowvale Sports Park	Upgrade hardball backstop to current standard	63
2013	River Grove Park	Repair, renovation - soccer and baseball diamonds (3)	109
2014	Hershey Centre SportZone	Lifecycle replacement of Iceland artificial turf replacement (2)	1,257
2014	Mississauga Valley	Design/install irrigation and upgrade turf	46
2014	Mississauga Valley	Triennial review of Bocce court surface	6
2014	Various Neighbourhood Parks	Lit sports field maintenance	126
2018	Huron Park	Lifecycle replacement of artificial soccer turf (1)	830
2015-2021	Various Neighbourhood Parks	Lit sports field maintenance	2,301
<b>Total</b>			<b>5,465</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Sports Field Maintenance

##### Tennis Court Maintenance

Year	Project	Description	Net Cost ('000's)
2012	Ron Searle Park	Reconstruction of existing tennis courts	60
2012	Sherwood Green	Reconstruction of existing tennis courts	60
2013	Dr. Martin Dobkin Park	Tennis court colour coat application	0
2013	Meadowvale Hall Grounds	Reconstruction of existing tennis courts	133
2014	Dellwood Park	Tennis court colour coat application	0
2014	Meadowwood Park	Tennis court colour coat application	0
2015-2021	Various Neighbourhood Parks	Tennis court maintenance	386
<b>Total</b>			<b>639</b>

##### Unlit Sports Field Maintenance

Year	Project	Description	Net Cost ('000's)
2012	Lakeview Park	Turf, infield and fencing repairs - 2 baseball diamonds	83
2012	Lakeview Park	Turf, infield and fencing repairs - soccer	44
2013	Kingsbridge Common	Turf and infield repairs - soccer field	39
2014	Forest Glen	Turf, infield and fencing repairs - baseball back stop	50
2014	Mississauga Valley	Bleacher replacement	200
2015-2021	Various Neighbourhood Parks	Various unlit sports field maintenance	1,050
<b>Total</b>			<b>1,466</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Urban Forestry	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Conservation Authority Planting	77	77	77	77	77	77	77	77	77	77	770
Forest Management	59	59	59	59	59	59	59	59	59	59	590
Naturalization/Plantings	31	31	31	31	31	31	31	31	31	31	310
Park Tree Planting	72	72	72	72	72	72	72	72	72	72	720
Playground Trees	16	16	16	16	16	16	16	16	16	16	160
Tree Planting - Replacement	600	600	600	600	600	600	600	600	600	600	6,000
Streetscape Beautification	112	0	112	0	112	0	112	0	112	0	560
Tree Planting - Arbor Day/Special Events	176	176	176	176	176	176	176	176	176	176	1,760
Tree Planting - New Subdivisions	664	600	600	600	600	600	600	600	600	600	6,064
Tree Planting - Road Reconstruction	41	41	41	41	41	41	41	41	41	41	410
<b>Total Net Expenditures</b>	<b>1,848</b>	<b>1,672</b>	<b>1,784</b>	<b>1,672</b>	<b>1,784</b>	<b>1,672</b>	<b>1,784</b>	<b>1,672</b>	<b>1,784</b>	<b>1,672</b>	<b>17,344</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Urban Forestry

##### Conservation Authority Planting

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Greenbelt plantings	51
2012	Various Sites	Surveying and removal of encroachments	26
2013	Various Sites	Greenbelt plantings	51
2013	Various Sites	Surveying and removal of encroachments	26
2014	Various Sites	Greenbelt plantings	51
2014	Various Sites	Surveying and removal of encroachments	26
2015-2021	Various Sites	Greenbelt plantings	357
2015-2021	Various Sites	Surveying and removal of encroachments	182
<b>Total</b>			<b>770</b>

##### Forest Management

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Woodland management plans	59
2013	Various Sites	Woodland management plans	59
2014	Various Sites	Woodland management plans	59
2015-2021	Various Sites	Woodland management plans	413
<b>Total</b>			<b>590</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Urban Forestry

##### Naturalization/Plantings

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Conversion of park areas to natural areas	31
2013	Various Sites	Conversion of park areas to natural areas	31
2014	Various Sites	Conversion of park areas to natural areas	31
2015-2021	Various Sites	Conversion of park areas to natural areas	217
<b>Total</b>			<b>310</b>

##### Park Tree Planting

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Replacement of dead or vandalized trees	72
2013	Various Sites	Replacement of dead or vandalized trees	72
2014	Various Sites	Replacement of dead or vandalized trees	72
2015-2021	Various Sites	Replacement of dead or vandalized trees	504
<b>Total</b>			<b>720</b>

##### Playground Trees

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Plant replacement trees around play structures	16
2013	Various Sites	Plant replacement trees around play structures	16
2014	Various Sites	Plant replacement trees around play structures	16
2015-2021	Various Sites	Plant replacement trees around play structures	112
<b>Total</b>			<b>160</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Urban Forestry

##### Tree Planting - Replacement

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Street tree plantings - replacements	600
2013	Various Sites	Street tree plantings - replacements	600
2014	Various Sites	Street tree plantings - replacements	600
2015-2021	Various Sites	Street tree plantings - replacements	4,200
<b>Total</b>			<b>6,000</b>

##### Streetscape Beautification

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Enhancements (plant materials) to medians and boulevards	112
2014	Various Sites	Enhancements (plant materials) to medians and boulevards	112
2015-2021	Various Sites	Enhancements (plant materials) to medians and boulevards	336
<b>Total</b>			<b>560</b>

##### Tree Planting - Arbor Day/Special Events

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	City environmental events	176
2013	Various Sites	City environmental events	176
2014	Various Sites	City environmental events	176
2015-2021	Various Sites	City environmental events	1,232
<b>Total</b>			<b>1,760</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Urban Forestry

##### Tree Planting - New Subdivisions

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	Street tree inventory	64
2012	Various Sites	Street tree plantings	600
2013	Various Sites	Street tree plantings	600
2014	Various Sites	Street tree plantings	600
2015-2021	Various Sites	Street tree plantings	4,200
<b>Total</b>			<b>6,064</b>

##### Tree Planting - Road Reconstruction

Year	Project	Description	Net Cost ('000's)
2012	Various Sites	New or replacement street trees	41
2013	Various Sites	New or replacement street trees	41
2014	Various Sites	New or replacement street trees	41
2015-2021	Various Sites	New or replacement street trees	287
<b>Total</b>			<b>410</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Vehicles, Equipment	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Parks Vehicles and Equipment	1,315	735	570	610	790	613	620	570	860	570	7,253
Recreation Program Equipment	447	647	647	397	397	397	397	397	397	397	4,520
<b>Total Net Expenditures</b>	<b>1,762</b>	<b>1,382</b>	<b>1,217</b>	<b>1,007</b>	<b>1,187</b>	<b>1,010</b>	<b>1,017</b>	<b>967</b>	<b>1,257</b>	<b>967</b>	<b>11,773</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Vehicles, Equipment

##### Parks Vehicles and Equipment

Year	Project	Description	Net Cost ('000's)
2012	BraeBen Golf Course	Golf cart replacement program - cash flow funding	165
2012	BraeBen Golf Course	Golf course equipment replacement	100
2012	Lakeview Golf Course	Golf cart replacement program	225
2012	Various Neighbourhood Parks	Paid parking machines - destination parks	350
2012	Various Neighbourhood Parks and Community Centres	Online systems for community groups	25
2012	Various Parks Maintenance Equipment	Growth related equipment	180
2012	Various Parks Maintenance Equipment	Non growth related equipment	270
2013	BraeBen Golf Course	Golf cart replacement program - cash flow funding	165
2013	BraeBen Golf Course	Golf course equipment replacement	120
2013	Various Parks Maintenance Equipment	Non growth related equipment	270
2013	Various Parks Maintenance Equipment	Growth related equipment	180
2014	BraeBen Golf Course	Golf course equipment replacement	120
2014	Various Parks Maintenance Equipment	Non growth related equipment	270
2014	Various Parks Maintenance Equipment	Growth related equipment	180
2017	Lakeview Golf Course	Golf cart replacement program	43
2016-2020	BraeBen Golf Course	Golf cart replacement program	490
2015-2021	BraeBen Golf Course	Golf course equipment replacement	950
2015-2021	Various Parks Maintenance Equipment	Non growth related equipment	2,130
2015-2021	Various Parks Maintenance Equipment	Growth related equipment	1,020
<b>Total</b>			<b>7,253</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Recreation and Parks Service - Project Listing

#### Program: Vehicles, Equipment

#### Recreation Program Equipment

Year	Project	Description	Net Cost ('000's)
2012	Various Community Centre Equipment	Smart phone applications	50
2012	Various Community Centres	Furniture and equipment to support programs	397
2013	Hershey Centre	Hershey point of sale replacement	150
2013	Various Community Centre Equipment	Self service kiosks - new	100
2013	Various Community Centres	Furniture and equipment to support programs	397
2014	Hershey Centre	Hershey point of sale replacement	150
2014	Various Community Centre Equipment	Self service kiosks - new	100
2014	Various Community Centres	Furniture and equipment to support programs	397
2015-2021	Various Community Centres	Furniture and equipment to support programs	2,779
<b>Total</b>			<b>4,520</b>



# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Library

#### 2012 - 2021 Net Capital Expenditures By Program and Sub-Program

(000's)

LIBRARY	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
<b>Buildings</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Library New Construction	0	2,876	2,876	0	2,060	796	796	0	0	0	9,404
Library Renovations	261	448	48	52	52	52	52	62	65	75	1,166
Library Studies	0	43	22	0	0	0	43	0	0	0	108
<b>Total Buildings</b>	<b>261</b>	<b>3,367</b>	<b>2,946</b>	<b>52</b>	<b>2,112</b>	<b>848</b>	<b>891</b>	<b>62</b>	<b>65</b>	<b>75</b>	<b>10,678</b>
<b>Materials &amp; Equipment</b>											
Collection Development	0	395	430	455	600	0	0	450	450	1,000	3,780
Library Program Equipment Replacement	331	382	586	616	126	126	126	126	145	160	2,721
<b>Total Materials &amp; Equipment</b>	<b>331</b>	<b>777</b>	<b>1,016</b>	<b>1,071</b>	<b>726</b>	<b>126</b>	<b>126</b>	<b>576</b>	<b>595</b>	<b>1,160</b>	<b>6,501</b>
<b>Total - Library System</b>	<b>592</b>	<b>4,144</b>	<b>3,962</b>	<b>1,122</b>	<b>2,837</b>	<b>973</b>	<b>1,016</b>	<b>637</b>	<b>660</b>	<b>1,235</b>	<b>17,178</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Library - Project Listing

#### Program: Buildings

##### Library New Construction

Year	Project	Description	Net Cost ('000's)
2013	Meadowvale Library	Construction of new Meadowvale Library to be included with community centre - cash flow funding	2,876
2014	Meadowvale Library	Construction of new Meadowvale Library to be included with community centre - cash flow funding	2,876
2016	Sheridan Library	Design of new Sheridan Library - cash flow funding	160
2016	Sheridan Library	Construction of new Sheridan Library - cash flow funding	1,900
2017	Sheridan Library	Construction of new Sheridan Library - cash flow funding	796
2018	Sheridan Library	Construction of new Sheridan Library - cash flow funding	796
<b>Total</b>			<b>9,404</b>

##### Library Renovations

Year	Project	Description	Net Cost ('000's)
2012	Central Library	Central Library revitalization - cash flow funding	212
2012	Various Libraries	Productivity related renovations	49
2013	Central Library	Central Library revitalization - cash flow funding	400
2013	Various Libraries	Productivity related renovations	48
2014	Various Libraries	Productivity related renovations	48
2015-2021	Various Libraries	Productivity related renovations	408
<b>Total</b>			<b>1,166</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Mississauga Library - Project Listing

#### Program: Buildings

##### Library Studies

Year	Project	Description	Net Cost ('000's)
2013	Various Libraries	Library future directions study	43
2014	Various Libraries	Library future directions study - public consultation	22
2018	Various Libraries	Library future directions study	43
<b>Total</b>			<b>108</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Library - Project Listing

#### Program: Materials & Equipment

##### Collection Development

Year	Project	Description	Net Cost ('000's)
2013	Library Collection	Library collection increases reflecting the growth in the City - cash flow funding	395
2014	Library Collection	Library collection increases reflecting the growth in the City - cash flow funding	430
2015-2016	Library Collection	Library collection increases reflecting the growth in the City - cash flow funding	1,055
2019	Library Collection	Future Directions service needs for library collection - cash flow funding	450
2020	Library Collection	Future Directions service needs for library collection - cash flow funding	450
2021	Library Collection	Future Directions service needs for library collection - cash flow funding	1,000
<b>Total</b>			<b>3,780</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Mississauga Library - Project Listing

#### Program: Materials & Equipment

#### Library Program Equipment Replacement

Year	Project	Description	Net Cost ('000's)
2012	Various Library Equipment	Self -Serve Technology - cash flow funding	155
2012	Various Library Equipment	Book carts, specialized shelving, desks/work stations for public access	126
2012	Various Library Equipment	Electronic strategy study	50
2013	Various Library Equipment	Self -Serve Technology - cash flow funding	256
2013	Various Library Equipment	Book carts, specialized shelving, desks/work stations for public access	126
2014	Various Library Equipment	Self -Serve Technology - cash flow funding	460
2014	Various Library Equipment	Book carts, specialized shelving, desks/work stations for public access	126
2015	Various Library Equipment	Self -Serve Technology - cash flow funding	490
2015	Various Library Equipment	Book carts, specialized shelving, desks/work stations for public access	126
2016-2021	Various Library Equipment	Book carts, specialized shelving, desks/work stations for public access	807
<b>Total</b>			<b>2,721</b>



# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Land Development Services

#### 2012 - 2021 Net Capital Expenditures By Program and Sub-Program

(000's)

Land Development Services	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
<b>Policy Planning</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications - New	538	239	47	0	0	0	0	0	0	0	824
<b>Total Policy Planning</b>	<b>538</b>	<b>239</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>824</b>
<b>Total - Land Development Services</b>	<b>538</b>	<b>239</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>824</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Land Development Services - Project Listing

#### Program: Policy Planning

#### Applications - New

Year	Project	Description	Net Cost ('000's)
2012	Planning Databases and Information Management Software-Phase 2	Modernization of Planning Databases and Information Management Software	85
2012	Field Computing & Enhanced Automation	Field Computing & Enhanced Automation - Building Inspection Services Phase 1	453
2013	Planning Databases and Information Management Software-Phase 3	Modernization of Planning Databases and Information Management Software	157
2013	Field Computing & Enhanced Automation	Field Computing & Enhanced Automation - Building Inspection Services Phase 1 continues and Phase 2	82
2014	Planning Databases and Information Management Software-Phase 4	Modernization of Planning Databases and Information Management Software	47
<b>Total</b>			<b>824</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Legislative Services

2012 - 2021 Net Capital Expenditures by Program  
(000's)

Legislative Services	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Office of the City Clerk	14	39	0	0	0	0	0	0	0	0	53
Print Shop	36	25	155	7	10	53	30	48	140	56	560
<b>Total Net Expenditures</b>	<b>50</b>	<b>64</b>	<b>155</b>	<b>7</b>	<b>10</b>	<b>53</b>	<b>30</b>	<b>48</b>	<b>140</b>	<b>56</b>	<b>613</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Legislative Services

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Office of the City Clerk	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications and Infrastructure	14	39	0	0	0	0	0	0	0	0	53
<b>Total Net Expenditures</b>	<b>14</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Legislated Services - Project Listing

Program: Office of the City Clerk

#### Applications and Infrastructure

Year	Project	Description	Net Cost ('000's)
2012	Electronic Records Management	Provide support for electronic records including security and management, minimize any vulnerabilities.	14
2013	Electronic Records Management	Provide support for electronic records including security and management, minimize any vulnerabilities.	14
2013	Enhanced Access to Agendas/Minutes	Streamline council and committee minutes with embedded video links and committee appointment process.	25
<b>Total</b>			<b>53</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Legislative Services

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Print Shop	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Equipment and Other	36	25	155	7	10	53	30	48	140	56	560
<b>Total Net Expenditures</b>	<b>36</b>	<b>25</b>	<b>155</b>	<b>7</b>	<b>10</b>	<b>53</b>	<b>30</b>	<b>48</b>	<b>140</b>	<b>56</b>	<b>560</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Legislated Services - Project Listing

#### Program: Print Shop

#### Equipment and Other

Year	Project	Description	Net Cost ('000's)
2012	Lifecycle Replacements	Digital Postage/Meter equipment replacement.	36
2013	Lifecycle Replacements	Miscellaneous equipment replacement.	25
2014	Lifecycle Replacements	Inserters and other equipment replacement.	155
2015-2021	Lifecycle Replacements	Various equipment replacement.	344
<b>Total</b>			<b>560</b>



# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Arts & Culture

#### 2012 - 2021 Net Capital Expenditures By Program and Sub-Program

(000's)

ARTS & CULTURE	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Buildings</b>											
Culture Facilities Maintenance	50	50	50	50	50	50	50	50	50	50	500
Culture Facilities New	0	0	200	2,650	2,000	2,000	0	500	1,755	1,000	10,105
Culture Facilities Renovations	18	318	3,178	2,518	418	18	18	18	18	18	6,540
Studies	15	65	265	15	15	15	15	265	15	15	700
<b>Total Buildings</b>	<b>83</b>	<b>433</b>	<b>3,693</b>	<b>5,233</b>	<b>2,483</b>	<b>2,083</b>	<b>83</b>	<b>833</b>	<b>1,838</b>	<b>1,083</b>	<b>17,845</b>
<b>Materials &amp; Equipment</b>											
Artifact, Material & Equipment New	228	258	258	228	218	218	218	218	218	218	2,280
<b>Total Materials &amp; Equipment</b>	<b>228</b>	<b>258</b>	<b>258</b>	<b>228</b>	<b>218</b>	<b>218</b>	<b>218</b>	<b>218</b>	<b>218</b>	<b>218</b>	<b>2,280</b>
<b>Total - Culture</b>	<b>311</b>	<b>691</b>	<b>3,951</b>	<b>5,461</b>	<b>2,701</b>	<b>2,301</b>	<b>301</b>	<b>1,051</b>	<b>2,056</b>	<b>1,301</b>	<b>20,125</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Arts & Culture - Project Listing

#### Program: Buildings

##### Culture Facilities Maintenance

Year	Project	Description	Net Cost ('000's)
2012	Preventative Maintenance of Heritage Facilities	Preventative Maintenance of Heritage Facilities	50
2013	Preventative Maintenance of Heritage Facilities	Preventative Maintenance of Heritage Facilities	50
2014	Preventative Maintenance of Heritage Facilities	Preventative Maintenance of Heritage Facilities	50
2015-2021	Preventative Maintenance of Heritage Facilities	Preventative Maintenance of Heritage Facilities	350
<b>Total</b>			<b>500</b>

##### Culture Facilities New

Year	Project	Description	Net Cost ('000's)
2014-2017	Artifact Preservation and Storage Facility	Artifact Preservation and Storage Facility-cash flow funding	6,850
2019-2021	Art Gallery of Mississauga	Art Gallery of Mississauga - cash flow funding	3,255
<b>Total</b>			<b>10,105</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Arts & Culture - Project Listing

#### Program: Buildings

#### Culture Facilities Renovations

Year	Project	Description	Net Cost ('000's)
2012	Renovations and rehabilitation projects	Minor renovations and rehabilitation projects	18
2013	Renovations and rehabilitation projects	Minor renovations and rehabilitation projects	18
2013	Hyde Mill Ruins Accessible to the Public	Hyde Mill Ruins Accessible to the Public - cash flow funding	100
2013	Life-Cycle Renovation of Meadowvale Theatre	Life-Cycle Renovation of Meadowvale Theatre - cash flow funding	200
2014	Renovations and rehabilitation projects	Minor renovations and rehabilitation projects	18
2014	Life-Cycle Renovation of Meadowvale Theatre	Life-Cycle Renovation of Meadowvale Theatre - cash flow funding	3,160
2015	Life-Cycle Renovation of Meadowvale Theatre	Life-Cycle Renovation of Meadowvale Theatre - cash flow funding	2,000
2015-2016	Hyde Mill Ruins Accessible to the Public	Hyde Mill Ruins Accessible to the Public - cash flow funding	900
2015-2021	Renovations and rehabilitation projects	Minor renovations and rehabilitation projects	126
<b>Total</b>			<b>6,540</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Arts & Culture - Project Listing

#### Program: Buildings

##### Culture Studies

Year	Project	Description	Net Cost ('000's)
2012	Heritage designation surveys and plaques	Heritage designation surveys and plaques	15
2013	Heritage designation surveys and plaques	Heritage designation surveys and plaques	15
2013	Implement Cultural Facilities and Spaces	Implement Cultural Facilities and Spaces	50
2014	Heritage designation surveys and plaques	Heritage designation surveys and plaques	15
2014	5 Year Update of the Culture Master Plan	5 Year Update of the Culture Master Plan	250
2019	5 Year Update of the Culture Master Plan	5 Year Update of the Culture Master Plan	250
2015-2021	Heritage designation surveys and plaques	Heritage designation surveys and plaques	105
<b>Total</b>			<b>700</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Arts & Culture - Project Listing

#### Program: Materials & Equipment

##### Artifact, Material & Equipment New

Year	Project	Description	Net Cost ('000's)
2012	Furniture and Equipment - Replacement	Minor Furniture and Equipment Replacement	18
2012	Mississauga Cultural Map	Mississauga Cultural Map	10
2012	Public Art Program	Public Art Program	200
2013	Furniture and Equipment - Replacement	Minor Furniture and Equipment Replacement	18
2013	Mississauga Cultural Map	Mississauga Cultural Map	40
2013	Public Art Program	Public Art Program	200
2014	Furniture and Equipment - Replacement	Minor Furniture and Equipment Replacement	18
2014	Mississauga Cultural Map	Mississauga Cultural Map	40
2014	Public Art Program	Public Art Program	200
2015	Mississauga Cultural Map	Mississauga Cultural Map	10
2015-2021	Public Art Program	Public Art Program	1,400
2015-2021	Furniture and Equipment - Replacement	Minor Furniture and Equipment Replacement	126
<b>Total</b>			<b>2,280</b>



# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Regulatory

#### 2012 - 2021 Net Capital Expenditures By Program and Sub-Program

(000's)

REGULATORY	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
<b>Vehicles, Equipment and Other</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications & Enhancements	100	240	0	0	0	0	0	0	0	0	340
New Vehicles	0	30	0	0	0	0	0	0	0	0	30
Radios	0	0	33	0	0	33	0	0	33	0	99
<b>Total Vehicles, Equipment and Other</b>	<b>100</b>	<b>270</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>469</b>
<b>Total - Regulatory</b>	<b>100</b>	<b>270</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>469</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Regulatory - Project Listing

#### Program: Vehicles, Equipment and Other

##### Applications & Enhancements

Year	Project	Description	Net Cost ('000's)
2012	Portal Enhancements	Increase on line services for dog/cat licenses	100
2013	Portal Enhancements	On line license renewal for Mobile Licensing & Compliance & Licensing Enforcement	240
<b>Total</b>			<b>340</b>

##### New Vehicles

Year	Project	Description	Net Cost ('000's)
2013	1 New Vehicle	1 additional fully outfitted full size van for Animal Services	30
<b>Total</b>			<b>30</b>

##### Radios

Year	Project	Description	Net Cost ('000's)
2014	Radio Replacement	Radio replacement for Parking Enforcement	33
2017	Radio Replacement	Radio replacement for Parking Enforcement	33
2020	Radio Replacement	Radio replacement for Parking Enforcement	33
<b>Total</b>			<b>99</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

Facilities and Property Management  
 2012 - 2021 Net Capital Expenditures By Program  
 (000's)

Corporate Assets	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Capital Construction and Improvements	919	500	500	500	2,000	4,000	10,500	10,500	3,420	3,658	36,497
Facility Services	530	747	756	719	722	726	729	715	739	732	7,115
Lifecycle Maintenance	11,271	11,976	21,559	24,897	35,204	22,319	30,251	46,059	37,746	49,959	291,240
Space Planning	2,361	780	780	480	442	780	780	780	777	780	8,740
Vehicles and Equipment	117	42	39	42	78	50	43	50	51	48	560
<b>Total Net Expenditures</b>	<b>15,198</b>	<b>14,045</b>	<b>23,633</b>	<b>26,638</b>	<b>38,446</b>	<b>27,874</b>	<b>42,303</b>	<b>58,104</b>	<b>42,733</b>	<b>55,177</b>	<b>344,152</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

Facilities and Property Management  
 2012 - 2021 Net Capital Expenditures By Sub-Program  
 (000's)

Capital Construction and Improvements	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Accessibility	389	500	500	500	500	500	500	500	500	500	4,889
Improvements - Corporate Facilities	530	0	0	0	1,500	3,500	10,000	10,000	2,920	3,158	31,608
<b>Total Net Expenditures</b>	<b>919</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>2,000</b>	<b>4,000</b>	<b>10,500</b>	<b>10,500</b>	<b>3,420</b>	<b>3,658</b>	<b>36,497</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Capital Construction and Improvements

##### Accessibility

Year	Project	Description	Net Cost ('000's)
2012	Various Locations	Accessibility improvements at Erin Meadow and Streetsville Libraries, Civic Centre and various other locations.	389
2013	Various Locations	Accessibility improvements.	500
2014	Various Locations	Accessibility improvements.	500
2015-2021	Various Locations	Accessibility improvements.	3,500
<b>Total</b>			<b>4,889</b>

##### Improvements - Corporate Facilities

Year	Project	Description	Net Cost ('000's)
2012	Civic Centre 12th Floor	12th Floor renovation	530
2013-2021	Various Locations	Accommodate future additional building space needs.	31,078
<b>Total</b>			<b>31,608</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Facility Services	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Energy Management	530	535	540	500	500	500	500	500	515	513	5,133
Security	0	162	166	169	172	176	179	156	175	168	1,523
Signage	0	50	50	50	50	50	50	59	49	51	459
<b>Total Net Expenditures</b>	<b>530</b>	<b>747</b>	<b>756</b>	<b>719</b>	<b>722</b>	<b>726</b>	<b>729</b>	<b>715</b>	<b>739</b>	<b>732</b>	<b>7,115</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Facility Services

##### Energy Management

Year	Project	Description	Net Cost ('000's)
2012	Various Locations	Implement Energy Audit recommendations and Energy Management Program.	530
2013	Various Locations	Implement Energy Audit recommendations and Energy Management Program.	535
2014	Various Locations	Implement Energy Audit recommendations and Energy Management Program.	540
2015-2021	Various Locations	Implement Energy Audit recommendations and Energy Management Program.	3,528
<b>Total</b>			<b>5,133</b>

##### Security

Year	Project	Description	Net Cost ('000's)
2013	Various Locations	Security infrastructure replacements and upgrades.	162
2014	Various Locations	Security infrastructure replacements and upgrades.	166
2015-2021	Various Locations	Security infrastructure replacements and upgrades.	1,195
<b>Total</b>			<b>1,523</b>

##### Signage

Year	Project	Description	Net Cost ('000's)
2013	Various Locations	Signage Replacements.	50
2014	Various Locations	Signage Replacements.	50
2015-2021	Various Locations	Signage Replacements.	359
<b>Total</b>			<b>459</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management

#### 2011 - 2020 Net Capital Expenditures By Sub-Program

(000's)

Lifecycle Maintenance	2011 Budget	2012 Forecast	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Electrical Systems	3,238	821	818	888	924	885	1,217	1,237	1,332	1,380	12,739
Emergency	530	249	248	296	308	295	406	300	298	295	3,224
Inspections	0	100	600	100	100	100	600	100	100	211	2,011
Interior Finishes	1,058	1,000	1,400	1,700	2,700	1,300	1,800	3,700	2,900	4,100	21,658
Mechanical Systems	1,064	1,560	1,555	1,849	1,926	1,843	2,535	1,841	1,881	1,835	17,888
Roofing Systems	1,225	472	471	592	616	590	811	642	613	596	6,627
Site Services	608	370	374	444	462	442	608	409	459	439	4,616
Structural	3,548	7,403	16,094	19,029	28,167	16,865	22,275	37,830	30,163	41,103	222,476
<b>Total Net Expenditures</b>	<b>11,271</b>	<b>11,976</b>	<b>21,559</b>	<b>24,897</b>	<b>35,204</b>	<b>22,319</b>	<b>30,251</b>	<b>46,059</b>	<b>37,746</b>	<b>49,959</b>	<b>291,240</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Lifecycle Maintenance

#### Electrical Systems

Year	Project	Description	Net Cost ('000's)
2012	Civic Centre	Fire Alarm system Renewal-Phase 1. (BR 669)	509
2012	Dunton Athletic Field	Sport Lighting repairs.	581
2012	Huron Park Community Centre	Electrical distribution system repairs.	47
2012	Living Art Centre	Lighting control system replacement.	277
2012	Meadowvale Sports Park	Sport Lighting repairs. (BR 669)	200
2012	Mississauga Valley Community Centre	Sport Lighting repairs. (BR 669)	201
2012	Various Locations	Pathway Lighting repairs (partly funded from BR 669)	1,060
2012	Various Locations	Emergency Battery Pack replacement.	38
2012	Wildwood Park	Sport Lighting repairs. (BR 669)	325
2013	Various Locations	Various Electrical repairs.	821
2014	Various Locations	Various Electrical repairs.	818
2015-2021	Various Locations	Various Electrical repairs.	7,862
<b>Total</b>			<b>12,739</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Lifecycle Maintenance

##### Emergency

Year	Project	Description	Net Cost ('000's)
2012	Various Locations	Unforeseen emergency repairs.	530
2013	Various Locations	Unforeseen emergency repairs.	249
2014	Various Locations	Unforeseen emergency repairs.	248
2015-2021	Various Locations	Unforeseen emergency repairs.	2,197
<b>Total</b>			<b>3,224</b>

##### Inspections

Year	Project	Description	Net Cost ('000's)
2013	Various Locations	Facility Inspections.	100
2014	Various Locations	Facility Inspections.	600
2015-2021	Various Locations	Facility Inspections.	1,311
<b>Total</b>			<b>2,011</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Lifecycle Maintenance

##### Interior Finishes

Year	Project	Description	Net Cost ('000's)
2012	Adamson Heritage Building	Various interior finishes.	150
2012	Malton Satellite Terminal	Various interior finishes.	96
2012	Mississauga Valley Community Centre	Various interior finishes.	160
2012	Various Locations	Various interior finishes. (BR 669)	652
2013	Various Locations	Various interior finishes. (BR 669)	1,000
2014	Various Locations	Various interior finishes. (BR 669)	1,400
2015-2021	Various Locations	Various interior finishes. (BR 669)	18,200
<b>Total</b>			<b>21,658</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Lifecycle Maintenance

#### Mechanical Systems

Year	Project	Description	Net Cost ('000's)
2012	Anchorage House-Lewis Bradley Museum	Chillers and other mechanical repairs.	106
2012	Central Transit	Gas Tank Repairs.	22
2012	Erin Mills Twin Arena	Various Mechanical repairs.	116
2012	Malton Satellite terminal	Heater repairs.	93
2012	Malton Transit	Compressors repairs.	57
2012	Malton Yard	Plumbing repairs.	17
2012	Mississauga Valley Community Centre	Various mechanical repairs.	371
2012	Rivergrove Community Centre	Detailed Design of the Facility.	133
2012	South common Community Centre	Various mechanical repairs.	95
2012	Various Locations	Exhaust system repairs.	54
2013	Various Locations	Various Mechanical repairs.	1,560
2014	Various Locations	Various Mechanical repairs.	1,555
2015-2021	Various Locations	Various Mechanical repairs.	13,709
<b>Total</b>			<b>17,888</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Lifecycle Maintenance

##### Roofing Systems

Year	Project	Description	Net Cost ('000's)
2012	Mississauga Valley Community Centre, Library and Pool, Mavis South, Lake Promenade Park, Lake Aquitaine and Clarkson Community Centre, Library & Arena	Roof replacement.	1,122
2012	Lewis Bradley Museum	Roof replacement.	103
2013	Various Locations	Roof replacement.	472
2014	Various Locations	Roof replacement.	471
2015-2021	Various Locations	Roof replacement.	4,460
<b>Total</b>			<b>6,627</b>

##### Site Services

Year	Project	Description	Net Cost ('000's)
2012	Rivergrove Community Centre	Parking lot Drainage repairs.	82
2012	Various Locations	Parking lot repairs.	526
2013	Various Locations	Parking lot repairs.	370
2014	Various Locations	Parking lot repairs.	374
2015-2021	Various Locations	Parking lot repairs.	3,264
<b>Total</b>			<b>4,616</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Lifecycle Maintenance

#### Structural

Year	Project	Description	Net Cost ('000's)
2012	Burnhamthorpe Community Centre	Replace Folding Walls. (BR 669)	60
2012	Chappell Estate	Foundation and other renewals.	161
2012	Credit Valley Tennis Club	Various structural repairs.	106
2012	Erin Meadows Community Centre	Main door replacements.	106
2012	Erin Mills Twin Arena	Various structural repairs. (BR 669)	22
2012	Frank McKechnie Community Centre	Various retrofitting and renovations.	2,356
2012	Huron Park Community Centre	Various structural repairs.	92
2012	Iceland Arena	Replace sliding and Other doors. (BR 669)	117
2012	Mavis Road	Replace trench drains.	54
2012	Mississauga Canoe Club	Cladding system repairs.	106
2012	Rivergrove Community Centre	Skylight repairs.	368
2013	Various Locations	Various structural maintenance (partly funded from BR 669)	7,403
2014	Various Locations	Various structural maintenance (partly funded from BR 669)	16,094
2015-2021	Various Locations	Various structural maintenance (partly funded from BR 669)	195,431
<b>Total</b>			<b>222,476</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Space Planning	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Furniture	241	300	300	300	300	300	300	300	297	300	2,938
Relocations and Office Accommodation	2,120	480	480	180	142	480	480	480	480	480	5,802
<b>Total Net Expenditures</b>	<b>2,361</b>	<b>780</b>	<b>780</b>	<b>480</b>	<b>442</b>	<b>780</b>	<b>780</b>	<b>780</b>	<b>777</b>	<b>780</b>	<b>8,740</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Space Planning

##### Furniture

Year	Project	Description	Net Cost ('000's)
2012	Various Locations	Lifecycle replacement of furniture	88
2012	Various Locations	Ergonomics assessment and custom designed furniture	81
2012	Civic Centre-Councillors' area	Furniture replacement	72
2013	Various Locations	Lifecycle replacement of furniture	300
2014	Various Locations	Lifecycle replacement of furniture	300
2015-2021	Various Locations	Lifecycle replacement of furniture	2,097
<b>Total</b>			<b>2,938</b>

##### Relocations and Office Accommodation

Year	Project	Description	Net Cost ('000's)
2012	Various Locations	Office Accommodation & Planning	2,120
2013	Various Locations	Relocation and office accommodation.	480
2014	Various Locations	Relocation and office accommodation.	480
2015-2021	Various Locations	Relocation and office accommodation.	2,722
<b>Total</b>			<b>5,802</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
Vehicles and Equipment	\$ 117	\$ 42	\$ 39	\$ 42	\$ 78	\$ 50	\$ 43	\$ 50	\$ 51	\$ 48	\$ 560
<b>Total Net Expenditures</b>	<b>117</b>	<b>42</b>	<b>39</b>	<b>42</b>	<b>78</b>	<b>50</b>	<b>43</b>	<b>50</b>	<b>51</b>	<b>48</b>	<b>560</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Facilities and Property Management - Project Listing

#### Program: Vehicles and Equipment

##### Vehicles and Equipment

Year	Project	Description	Net Cost ('000's)
2012	Various Locations	Recycling program equipment for facilities and purchase of combo/garbage units.	70
2012	Various Locations	Vehicle for HVAC group (BR 649).	47
2013	Various Locations	Vehicles and Equipment.	42
2014	Various Locations	Vehicles and Equipment.	39
2015-2021	Various Locations	Vehicles and Equipment.	362
<b>Total</b>			<b>560</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Strategic Policy

#### 2012 - 2021 Net Capital Expenditures By Program and Sub-Program

(000's)

Strategic Policy	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Strategic Community Initiatives</b>											
Bicycle/Pedestrian System	60	5,770	0	0	0	0	0	0	0	0	5,830
Studies	1,536	1,389	600	0	0	0	0	0	0	0	3,525
<b>Total Strategic Community Initiatives</b>	<b>1,596</b>	<b>7,159</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,355</b>
<b>Total - Strategic Policy</b>	<b>1,596</b>	<b>7,159</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,355</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Strategic Policy - Project Listing

#### Program: Strategic Community Initiatives

##### Bicycle/Pedestrian Systems

Year	Project	Description	Net Cost ('000's)
2012	Lakeview/OPG Peir Trail - Study	Lakeview/OPG Peir Trail - Study	60
2013	Lakeview/OPG Peir Trail - Design/Construction	Lakeview/OPG Peir Trail - Design/Construction	5,770
<b>Total</b>			<b>5,830</b>

##### Studies

Year	Project	Description	Net Cost ('000's)
2012	Waterfront Mississauga Revitalization	Waterfront Mississauga Revitalization	650
2012	Downtown 21: Main Street District Implementation	Downtown 21: Main Street District Implementation	886
2013	Waterfront Mississauga Revitalization	Waterfront Mississauga Revitalization	650
2013	Downtown 21: Main Street District Implementation	Downtown 21: Main Street District Implementation	739
2014	Waterfront Mississauga Revitalization	Waterfront Mississauga Revitalization	600
<b>Total</b>			<b>3,525</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology

#### 2012 - 2021 Net Capital Expenditures by Program (000's)

Information Technology	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Applications</b>	2,145	2,786	2,125	5,066	5,437	7,998	4,422	4,907	4,994	4,793	44,673
<b>Infrastructure</b>	5,350	4,575	3,110	2,010	1,550	2,250	2,650	1,925	1,280	2,250	26,950
<b>Personal Computer Replacement &amp; Peripherals</b>	886	1,153	819	896	1,000	1,050	1,000	1,050	1,075	1,125	10,055
<b>Total Net Expenditures</b>	<b>8,381</b>	<b>8,514</b>	<b>6,054</b>	<b>7,972</b>	<b>7,987</b>	<b>11,298</b>	<b>8,072</b>	<b>7,882</b>	<b>7,349</b>	<b>8,168</b>	<b>81,679</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology

#### 2012 - 2021 Net Capital Expenditures By Sub-Program (000's)

Applications	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications - New	431	275	200	2,546	2,627	3,734	3,442	2,696	2,744	3,397	22,092
Applications - Replacement/Enhancements	614	1,711	1,775	2,520	2,710	4,214	880	1,711	2,100	1,396	19,631
Portal	1,100	800	150	0	100	50	100	500	150	0	2,950
<b>Total Net Expenditures</b>	<b>2,145</b>	<b>2,786</b>	<b>2,125</b>	<b>5,066</b>	<b>5,437</b>	<b>7,998</b>	<b>4,422</b>	<b>4,907</b>	<b>4,994</b>	<b>4,793</b>	<b>44,673</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listing

#### Program: Applications

#### Applications - New

Year	Project	Description	Net Cost ('000's)
2012	SAP - Enterprise Reporting Phase 1	Deliver ad hoc reporting, dashboard capabilities and decision support system for improved program monitoring, management and decision-making.	256
2012	Mobile Applications	Development of a mobile version of the eCity portal move towards self serve.	175
2013	SAP - Enterprise Reporting Phase 2	Deliver ad hoc reporting, dashboard capabilities and decision support system for improved program monitoring, management and decision-making.	100
2013	Mobile Applications	Development of a mobile version of the eCity portal move towards self serve.	175
2014	SAP - Enterprise Reporting Phase 3	Deliver ad hoc reporting, dashboard capabilities and decision support system for improved program monitoring, management and decision-making.	100
2014	Mobile Applications	Development of a mobile version of the eCity portal move towards self serve.	100
2015-2021	Various Applications	Various new applications.	21,186
<b>Total</b>			<b>22,092</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listing

#### Program: Applications

#### Applications - Replacement/Enhancements

Year	Project	Description	Net Cost ('000's)
2012	Amanda System	Business and Vehicle Licensing system upgrade.	60
2012	Cashiers System	Maintain software currency and upgrade existing hardware (POS keyboards).	16
2012	Courtlog System	Replacement of server and upgrading to the latest NOVO software.	13
2012	MAX System	MAX (Planning & Building, fire prevention) system upgrade.	295
2012	Minor Projects	Departmental minor application projects.	50
2012	SharePoint Implementation City wide	Citywide document sharing and collaboration system.	100
2012	Windows Desktop Operating System	Windows 7 Operating System and Office 2010.	80
2013	Bentley System	Upgrade the existing Bentley ProjectWise (PW) application to the current version.	45
2013	SQL Database	Oracle & SQL Server Database Upgrades.	611
2013	Desktop Software Licenses	Desktop Software upgrade to remain current and supported.	100
2013	Dynix Library System	Library System enhancement.	130
2013	Election System	Election System upgrade.	50
2013	Hastus System	Hastus (Transit Operating) System upgrade.	340
2013	Minor Projects	Departmental minor application projects.	50
2013	Print Shop System Upgrade	Upgrade to print shop system to remain current and supported.	135
2013	SAP Enterprise System Enhancements	Enhancement to SAP Enterprise System to optimize the system functionalities.	250
2014	City Link	Upgrade to City Link (Transit Bus Stop) system.	300
2014	Class System	Upgrade to Recreation and Parks Registration and Point of Sale system in City facilities.	760

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listing

#### Program: Applications

#### Applications - Replacement/Enhancements

Year	Project	Description	Net Cost ('000's)
2014	Desktop Software Licenses	Software upgrade to remain current and supported.	100
2014	Dynix Library System	Library System minor upgrade.	30
2014	Election System	Election System upgrade.	250
2014	Golf System	Golf tee time booking system upgrade.	185
2014	Minor Projects	Departmental minor application projects.	50
2014	Reserve A Computer Upgrade	Library Reserve A Computer(RAC) system upgrade.	100
2015-2021	Applications Upgrades - Various	Application upgrades to remain current and supported.	15,531
<b>Total</b>			<b>19,631</b>

#### Portal

Year	Project	Description	Net Cost ('000's)
2012	Portal Applications/Upgrades	Replace/ maintain/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	1,100
2013	Portal Applications/Upgrades	Replace/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	800
2014	Portal Applications/Upgrades	Replace/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	150
2015-2021	Portal Applications	Replace/ maintain/ enhance external and internal (eCity Portal and Inside Mississauga) self serve portal applications.	900
<b>Total</b>			<b>2,950</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology

#### 2012 - 2021 Net Capital Expenditures By Sub-Program (000's)

Infrastructure	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Network Infrastructure</b>	4,900	4,025	2,385	1,660	1,100	1,100	1,700	1,200	630	1,900	20,600
<b>Server Expansion</b>	450	500	475	300	400	900	900	675	350	300	5,250
<b>Service Management</b>	0	50	250	50	50	250	50	50	300	50	1,100
<b>Total Net Expenditures</b>	<b>5,350</b>	<b>4,575</b>	<b>3,110</b>	<b>2,010</b>	<b>1,550</b>	<b>2,250</b>	<b>2,650</b>	<b>1,925</b>	<b>1,280</b>	<b>2,250</b>	<b>26,950</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listings

#### Program: Infrastructure

#### Network Infrastructure

Year	Project	Description	Net Cost ('000's)
2012	SAP - Enterprise Reporting Phase 1	Voice Communications System (VCOM) Mobile Radio Replacement - Infrastructure share costs with Region of Peel, Peel Police, Brampton and Caledon.	3,600
2012	Infrastructure Security	Replace / enhance IT infrastructure security system.	350
2012	SAP - Enterprise Reporting Phase 2	City-wide network switch replacement program, cabling and network hardware upgrade at City facilities to remain current and supported.	250
2012	Voice System	Upgrade / replacement of voicemail servers and software.	700
2013	SAP - Enterprise Reporting Phase 3	Voice Communications System (VCOM) Mobile Radio Replacement - Infrastructure share costs with Region of Peel, Peel Police, Brampton and Caledon.	3,225
2013	Network Fibre/Wireless Infrastructure	Replacement of existing network fibre. Implementation of wireless access within City facilities and Outdoor Wi-Fi mesh for traffic, field automation, security and Bus Rapid Transit (BRT).	300
2013	Network Replacement, Switches, Routers, Cabling & Upgrade	City-wide network switch replacement program, cabling and network hardware upgrade at City facilities to remain current and supported.	250
2013	Phones	Replacement of phones.	50
2013	Wireless Communication for Mobile Workforce	Expand the fibre and wireless network for mobile workforce.	200
2014	Mobile Radio Replacement - Infrastructure	Voice Communications System (VCOM) Mobile Radio - including infrastructure share and radio replacement.	1,425
2014	Network Fibre/Wireless Infrastructure	Replacement of existing network fibre. Implementation of wireless access within City facilities and Outdoor Wi-Fi mesh for traffic, field automation, security and Bus Rapid Transit (BRT).	300
2014	Network Replacement, Switches, Routers, Cabling & Upgrade	City-wide network switch replacement program, cabling and network hardware upgrade at City facilities to remain current and supported.	250
2014	Phones	Replacement of phones.	50
2014	Voice System	Upgrade / replacement of voicemail servers and software.	60
2014	Wireless Communication for Mobile Workforce	Expand the fibre and wireless network for mobile workforce.	300

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listings

#### Program: Infrastructure

#### Network Infrastructure

Year	Project	Description	Net Cost ('000's)
2015-2021	Network Infrastructure	Network, Security, Fibre, Phones infrastructure management to include replacement of network infrastructure based on a five year cycle.	8,990
2015-2021	Voice System Upgrade	Replacement of voicemail servers and software.	300
<b>Total</b>			<b>20,600</b>

#### Server Expansion

Year	Project	Description	Net Cost ('000's)
2012	Server Capacity Replacement & Expansion	Server and storage replacement and expansion.	450
2013	Server Capacity Replacement & Expansion	Server and storage replacement and expansion.	500
2014	Server Capacity Replacement & Expansion	Server and storage replacement and expansion.	475
2015-2021	Server Capacity Replacement & Expansion	Server and storage replacement and expansion.	3,825
<b>Total</b>			<b>5,250</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listings

#### Program: Infrastructure

#### Service Management

Year	Project	Description	Net Cost ('000's)
2013	Tools & Utilities	Tools to manage information technology infrastructure and services.	50
2014	Tools & Utilities	Tools to manage information technology infrastructure and services.	50
2014	Business Continuity & Disaster Readiness for Information Technology Systems	Upgrade information technology contingency site and required technology.	200
2015-2021	Business Continuity & Disaster Readiness for Information Technology Systems	Upgrade information technology contingency site and required technology.	450
2015-2021	Tools & Utilities	Tools to manage information technology infrastructure and services.	350
<b>Total</b>			<b>1,100</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology

#### 2012 - 2021 Net Capital Expenditures By Sub-Program (000's)

Personal Computer Replacement & Peripherals	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Peripherals	175	175	100	100	100	100	100	100	175	175	1,300
Personal Computer/Notebook- Replacement/Maintenance	624	841	632	659	800	800	800	800	800	800	7,556
Specialized Information Technology Equipment	87	137	87	137	100	150	100	150	100	150	1,199
<b>Total Net Expenditures</b>	<b>886</b>	<b>1,153</b>	<b>819</b>	<b>896</b>	<b>1,000</b>	<b>1,050</b>	<b>1,000</b>	<b>1,050</b>	<b>1,075</b>	<b>1,125</b>	<b>10,055</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listings

#### Program: Personal Computers Replacement and Peripherals

##### Peripherals

Year	Project	Description	Net Cost ('000's)
2012	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	175
2013	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	175
2014	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	100
2015-2021	Peripherals	Replacement of monitors and specialized peripheral equipment as required.	850
<b>Total</b>			<b>1,300</b>

##### Personal Computer/Notebook-Replacement/Maintenance

Year	Project	Description	Net Cost ('000's)
2012	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	624
2013	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	841
2014	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	632
2015-2021	Personal Computer/ Notebook Replacement & Maintenance	Annual replacement of personal computers and notebooks based on a four year cycle.	5,459
<b>Total</b>			<b>7,556</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Information Technology - Project Listings

#### Program: Personal Computers Replacement and Peripherals

#### Specialized Information Technology Equipment

Year	Project	Description	Net Cost ('000's)
2012	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	87
2013	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	87
2013	Geographic Information System (GIS) / Mapping Hardware	New and replacement specialized technology for GIS / Mapping.	50
2014	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	87
2015-2021	Audiovisual Equipment	Corporate audiovisual equipment purchase and replacement.	687
2015-2021	Geographic Information System (GIS) / Mapping Hardware	New and replacement specialized technology for GIS / Mapping.	200
<b>Total</b>			<b>1,199</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Business Services

#### 2012 - 2021 Net Capital Expenditures by Program

(000's)

Business Services	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Communications	0	440	420	0	0	0	0	0	0	0	860
Finance	600	1,100	300	700	0	300	1,100	0	0	0	4,100
Revenue, Materiel Management and Business Services	563	695	390	14	14	14	14	14	14	14	1,741
<b>Total Net Expenditures</b>	<b>1,163</b>	<b>2,235</b>	<b>1,110</b>	<b>714</b>	<b>14</b>	<b>314</b>	<b>1,114</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>6,701</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Business Services

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Communications	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications and Infrastructure	0	440	420	0	0	0	0	0	0	0	860
<b>Total Net Expenditures</b>	<b>0</b>	<b>440</b>	<b>420</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>860</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Business Services - Project Listing

#### Program: Communications

#### Applications and Infrastructure

Year	Project	Description	Net Cost ('000's)
2013	Animal Services Inquiries into 311	Consolidate Animal Services Inquiries into 311.	90
2013	Workforce Management System	Purchase of Workforce Management software to better allocate 311 call centre agents.	250
2013	311 Self Serve on eCity	Implementation of 311 Self Serve to allow residents and customers the option of self serve inquiries or requests for service.	50
2013	Communications Master Plan	Implementation of a new citizen insight/ market research tool.	50
2014	311 Self Serve on eCity	Implementation of 311 Self Serve to allow residents and customers the option of self serve inquiries or requests for service.	170
2014	Call Centre Reporting	Implementation of an enhanced software package for customized reports and integration with other call centre technologies.	250
<b>Total</b>			<b>860</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

---

### Business Services

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Finance	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications and Infrastructure	600	700	300	700	0	300	700	0	0	0	3,300
Studies	0	400	0	0	0	0	400	0	0	0	800
<b>Total Net Expenditures</b>	<b>600</b>	<b>1,100</b>	<b>300</b>	<b>700</b>	<b>0</b>	<b>300</b>	<b>1,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,100</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Business Services - Project Listing

#### Program: Finance

#### Applications and Infrastructure

Year	Project	Description	Net Cost ('000's)
2012	SAP Financial Modules	Implementation of new SAP modules and systems.	300
2012	Riskmaster System Upgrade	Improve insurance claims management with a Riskmaster System upgrade and webform.	300
2013	SAP Financial Modules	Implementation of new SAP modules and systems.	700
2014	SAP Financial Modules	Implementation of new SAP modules and systems.	300
2015-2021	SAP Financial Modules	Implementation of new SAP modules and systems.	1,700
<b>Total</b>			<b>3,300</b>

#### Studies

Year	Project	Description	Net Cost ('000's)
2013	Development Charges Background Study	Review development levies to ensure adequacy and appropriateness.	400
2018	Development Charges Background Study	Review development levies to ensure adequacy and appropriateness.	400
<b>Total</b>			<b>800</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Business Services

#### 2012 - 2021 Net Capital Expenditures By Sub-Program

(000's)

Revenue, Materiel Management and Business Services	2012 Budget	2013 Forecast	2014 Forecast	2015 Forecast	2016 Forecast	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Applications and Infrastructure	425	557	376	0	0	0	0	0	0	0	1,358
Equipment and Other	138	138	14	14	14	14	14	14	14	14	383
<b>Total Net Expenditures</b>	<b>563</b>	<b>695</b>	<b>390</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>1,741</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Business Services - Project Listing

#### Program: Revenue, Material Management and Business Services

##### Applications and Infrastructure

Year	Project	Description	Net Cost ('000's)
2012	TXM Collections Module	Automation of tax collections functionality to improve the efficiency and effectiveness of the Collections unit.	250
2012	SAP - conversion of Collection software to SAP	Conversion of Microsoft Access database to SAP.	100
2012	Review of Front End Procurement Software	Automation of procurement processes that are currently paper based and manual, to improve efficiency and effectiveness throughout the purchasing function.	75
2013	Review of Front End Procurement Software	Automation of procurement processes that are currently paper based and manual, to improve efficiency and effectiveness throughout the purchasing function.	507
2013	E-tax forms Integration with TXM	Enhancement to allow on-line completion of tax forms and automated transfer of the data directly into the City's proprietary TXM tax system.	50
2014	Implement Electronic Tax Bills	Implementation of an electronic distribution system for Tax Bills.	50
2014	Central Cashiering System	Implementation of a new cashiering system to automate the production of receipts to the public, and eliminate duplicate data entry through the integration of the cashiering system with other City financial systems.	326
<b>Total</b>			<b>1,358</b>

# Appendix 5 – Capital Forecast Summary 2012-2021

## Business Plan & Budget Book 2012-2014

### Business Services - Project Listing

#### Program: Revenue, Materiel Management and Business Services

#### Equipment and Other

Year	Project	Description	Net Cost ('000's)
2012	IT Procurement	Increase service level for IT procurements.	62
2012	Recreation & Parks Procurement	Increase service level for Park Construction and Recreation procurements.	62
2012	Miscellaneous Equipment	Minor equipment required to maintain efficient operations.	14
2013	Miscellaneous Equipment	Minor equipment required to maintain efficient operations.	14
2013	IT Procurement	Increase service level for IT procurements.	62
2013	Recreation & Parks Procurement	Increase service level for Park Construction and Recreation procurements.	62
2014	Miscellaneous Equipment	Minor equipment required to maintain efficient operations.	14
2015-2021	Miscellaneous Equipment	Minor equipment required to maintain efficient operations.	95
<b>Total</b>			<b>383</b>