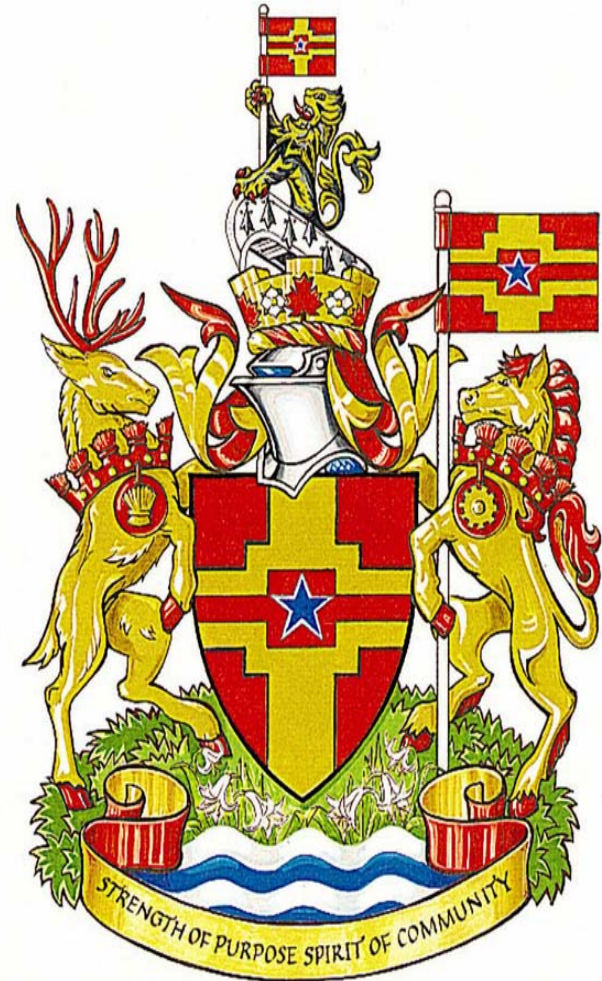


# Capital Improvement Plan 2015 - 2024





## Casino Proceeds

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
January 30		\$ 1,327,720	\$ 1,719,725	\$ 1,862,600	\$ 1,621,696	\$ 1,665,558	\$ 1,463,179	\$ 1,429,327	\$ 1,378,245	\$ 1,399,402
April 30		1,559,409	1,933,575	1,873,423	1,801,088	1,721,029	1,609,202	1,575,666	1,492,915	1,314,140
July 30	\$ 772,832	1,518,328	1,818,747	1,631,121	1,660,649	1,626,263	1,450,817	1,499,421	1,455,348	1,367,395
October 30	\$ 1,341,646	1,635,464	1,953,694	1,691,385	1,680,559	1,552,942	1,419,426	1,422,425	1,454,260	1,454,050
<b>Casino Proceeds</b>	<b>\$ 2,114,478</b>	<b>\$ 6,040,921</b>	<b>\$ 7,425,741</b>	<b>\$ 7,058,529</b>	<b>\$ 6,763,992</b>	<b>\$ 6,565,792</b>	<b>\$ 5,942,624</b>	<b>\$ 5,926,839</b>	<b>\$ 5,780,768</b>	<b>\$ 5,534,987</b>
MCFD Relocation Costs	\$ 150,000									
Enterprise Allocation		\$ 105,724	\$ 85,364	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Community Grants		101,895	139,590	438,640	558,420	438,640	438,640	432,140	432,140	432,140
Capital		1,195,505	2,160,236	1,940,967	1,816,672	5,977,152	5,353,984	5,344,699	5,198,628	4,952,847
Debt Repayment / Lg Pro	1,964,478	4,637,797	5,040,551	4,528,922	4,238,901	-	-	-	-	-
	<b>\$ 2,114,478</b>	<b>\$ 6,040,921</b>	<b>\$ 7,425,741</b>	<b>\$ 7,058,529</b>	<b>\$ 6,763,992</b>	<b>\$ 6,565,792</b>	<b>\$ 5,942,624</b>	<b>\$ 5,926,839</b>	<b>\$ 5,780,768</b>	<b>\$ 5,534,987</b>

## Casino Proceeds

Tax rate effect if debt is repaid over 20 years through MFA at 5% interest

	Projects Completed	Annual Interest	Principal Repayment	Total Annual Repayment	Property Tax Effect
Previous year Projects	\$ 49,606,254	\$ 2,480,313	\$ 1,665,865	\$ 4,146,178	24.57%
2015 projects	4,367,410	218,371	146,665	365,036	2.16%
	<u>\$ 53,973,664</u>	<u>\$ 2,698,683</u>	<u>\$ 1,812,530</u>	<u>\$ 4,511,213</u>	<u>26.73%</u>

Every \$1 in debt generates another \$1 in interest cost over 20 years. So if we borrow \$10 million today we will repay (double) \$20 million in interest and principal over the next 20 years. If we avoid the debt by using casino proceeds today (as per the policy) we will have an additional \$10 million available for infrastructure renewal.

### Capital Projects funded through Casino Proceeds in 2015

	Projects Completed	Annual Interest	Principal Repayment	Total Annual Repayment	Property Tax Effect
GG3 Property Acquisition	\$ 300,000	\$ 15,000	\$ 10,075	\$ 25,075	0.149%
GG8 Mental Illness, Addictions and Homelessness Study	35,000	1,750	1,175	2,925	0.017%
E6 Road Rehabilitation	500,000	25,000	16,791	41,791	0.248%
E9 203 Street Bridge (Planning & Engineering)	240,000	12,000	8,060	20,060	0.119%
E13 Ornamental streetlight replacement (Public Realm)	200,000	10,000	6,716	16,716	0.099%
E14 200 St/Logan Ave rail Crossing	300,000	15,000	10,075	25,075	0.149%
E21 Signal Upgrade - Glover & Duncan	177,000	8,850	5,944	14,794	0.088%
E22 Signal Installation - 203 St at Industrial ave	200,000	10,000	6,716	16,716	0.099%
E23 Signal Installation - Douglas Crescent at City Hall	250,000	12,500	8,395	20,895	0.124%
E24 Timm's Parking lot paving	170,000	8,500	5,709	14,209	0.084%
E25 City Hall Streetscape (Public Realm)	540,000	27,000	18,134	45,134	0.267%
P2 Municipal Athletic Park	100,000	5,000	3,358	8,358	0.050%
P9 Brydon Park playground	110,000	5,500	3,694	9,194	0.054%
P10 City Park Playground	75,000	3,750	2,519	6,269	0.037%
P20-28 TCC - Various Equipment and Furnishings	482,410	24,121	16,200	40,321	0.239%
P25 Library - Shelving	18,000	900	604	1,504	0.009%
P29 McBurney Lane Events	10,000	500	336	836	0.005%
S3 Culvert Cleaning	60,000	3,000	2,015	5,015	0.030%
S5 Sewer & Drainage Replacement	300,000	15,000	10,075	25,075	0.149%
W2 AC/DI Pipe Replacement	300,000	15,000	10,075	25,075	0.149%
	<u>\$ 4,367,410</u>	<u>\$ 218,371</u>	<u>\$ 146,665</u>	<u>\$ 365,036</u>	<u>2.163%</u>

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	Office Equipment Replacement 209	Capital Works Reserve 200	Grants	Borrowing	Casino Proceed 510	Machinery Equip 510
<b>General Government Services Projects</b>									
GG1	IT Computer Workstation Upgrade	2015	20,500	20,500					
GG2	IT Computer Server Upgrade	2015	5,000	5,000					
GG3	Property Acquisition	2015	300,000					300,000	
GG4	IT Tempest MyCity	2015	12,865		12,865				
GG5	IT Tempest eBilling	2015	22,000		22,000				
GG6	Records Management Consultant	2015	20,000		20,000				
GG7	Security Cameras	2015	9,250		9,250				
GG8	Mental Illness, Addictions and Homelessness Study	2015	35,000					35,000	
GG9	MIA Risk Management	2015	14,000			14,000			
			438,615	25,500	64,115	14,000	-	335,000	-

**General Government Services Capital Improvement Plan 2016 - 2024**

Item	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
GG1	IT Computer Workstation Upgrade	24,500	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
GG2	IT Computer Server Upgrade	9,000	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500
GG4	Property Acquisition	-	500,000	-	500,000					
GG10	IT Software Upgrades	30,000								
GG11	IT Tempest FieldPro	10,200								
GG12	Human Resource Study	25,000								
GG13	Bylaw Vehicle	25,000		25,000						
GG14	Office Equipment Replacement	15,000		15,000		15,000		15,000		15,000
GG15	IT Tempest Prospero eApply		17,000							
		138,700	549,500	72,500	532,500	47,500	32,500	47,500	32,500	47,500

Funding Sources		2016	2017	2018	2019	2020	2021	2022	2023	2024
Office Equipment Replacement	388,700	68,700	32,500	47,500	32,500	47,500	32,500	47,500	32,500	47,500
Capital Works Reserve	62,000	45,000	17,000							
Parks & Recreation Reserve	-									
Machinery Replacement	50,000	25,000	25,000							
Grants	-									
Casino Proceeds	1,000,000	-	500,000		500,000					
	1,500,700	138,700	549,500	72,500	532,500	47,500	32,500	47,500	32,500	47,500

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>General Government Services Projects</b>				
GG1	IT Computer Workstation Upgrade	Workstations are replaced after five years of service.	20,500	None.
GG2	IT Computer Server Upgrade	Servers are replaced after five years of service.	5,000	None.
GG3	Property Acquisition	Purchase of strategic properties throughout the City.	300,000	Properties may become exempt from taxation due to municipal ownership and therefore reduce taxation revenue.
GG4	IT Tempest MyCity	MyCity is an online portal that businesses and citizens can use to access a variety of information from our Tempest system. Residents can set up their own profile and access their account information directly without staff involvement.	12,865	As this is self-service, it reduces the staff time it would normally take to answer inquiries about a business or citizens account. There will be increased annual maintenance fees of \$1,100.
GG5	IT Tempest eBilling	This program provides delivery of tax and utility billings by email.	22,000	Annual maintenance costs will increase \$2,200 per year. Depending on participation, there will be savings on the printing, mailing and processing costs of property tax notices.
GG6	Records Management Consultant	Retain a records management consultant to conduct a review and assessment of the City's corporate records and develop policies, procedures and training to convert to the Local Government Management Association (LGMA) records management system.	20,000	None.
GG7	Security Cameras	Sixteen cameras are a part of the construction budget of the new Timms Community Centre but we have determined the need for five additional. The software licensing for the system is also not part of the construction contract. This project also includes a special monitor that will be in the new reception area so that staff can see the running track, weight room and games room.	9,250	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
GG8	Mental Illness, Addictions and Homelessness	The Mental Illness, Addictions and Homelessness Study will recommend a service model and business plan that would provide better assistance to residents challenged with mental illness, addictions and/or homelessness. A Task Force will be created to break down the issue of homelessness in the City and develop a new service delivery model that will be a substantial shift in the way we respond to our community's social and health challenges. The recommendations will frame an action plan that aims to reorganize support and services and deliver them in a more effective way to help people get well and integrated into the community. A social inventory of various social agencies in the community will be conducted as part of this study.	35,000	None.
GG9	MIA Risk Management	The City's insurer Municipal Insurance Association (MIA) has granted the City funding to undertake risk management initiatives	14,000	None.
GG10	IT Software Upgrades	Upgrade our Microsoft Office 2010 licenses to the latest version of the software. This software is used by most staff for word processing, spreadsheets and presentations. Microsoft Office integrates with our document management and other systems so we need to remain compatible.	30,000	None.
GG11	IT Tempest FieldPro	Allows building inspectors to use mobile devices to manage their inspections and checklists allowing notices to be printed on site and real time updates to our records.	10,200	Annual maintenance and support costs of \$1200.
GG12	Human Resource Study	In order to attract and retain talented, results oriented workforce the City would develop a job evaluation plan for exempt employees tied to a pay structure plan and updated job descriptions.	25,000	None.



CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
GG13	Bylaw Vehicle	Replace Bylaw vehicle	25,000	Operating and maintenance costs will reduce with new vehicles.
GG14	Office Equipment Replacement	Ongoing office equipment replacements.	15,000	None.
GG15	IT Tempest Prospero eApply	This program allows citizens and businesses to apply, pay fees and monitor the status of their permit and applications online providing enhanced customer service 24 x 7.	17,000	The system should free up staff time as more citizens and businesses use self-service online. There will be annual software maintenance costs of \$2,000 per year.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	Equipment Fire Dept. 212	Machinery Replacement Reserve 207	Future Police Costs Reserve 501	Office Equip. Replacement 209	Capital Works 200	Casino Proceeds
<b>Protective Services Projects</b>									
RP1	RCMP Office Equipment & Computers	2015	28,700			28,700			
RP2	RCMP Detachment Improvements	2015	3,500			3,500			
EP1	Emergency Preparedness Program Exercise	2015	18,000					18,000	
FD1	LCFRS Pumper Truck	2015	835,000	835,000					
FD2	LCFRS Hose & Nozzles	2015	15,000					15,000	
FD3	LCFRS Automatic Defibrillators	2015	7,500					7,500	
FD4	LCFRS SCBA Test Bench	2015	20,000					20,000	
FD5	LCFRS Fire Prevention Vehicle	2015	40,000	40,000					
FD6	LCFRS Kitchen Appliances	2015	6,000					6,000	
			973,700	875,000	-	32,200	-	66,500	-

**Protective Services Capital Improvement Plan 2016 - 2024**

Item	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
RP1	RCMP Office Equipment & Computers	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
RP2	RCMP Detachment Repairs	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
FD2	LCFRS Hose & Nozzles		15,000		15,000		15,000		15,000	
FD7	LCFRS Training Ground Props	60,000								
FD8	LCFRS Flooring Replacement	20,000								
FD9	LCFRS Hydraulic Rescue Tools	20,000	20,000							
FD10	LCFRS Rescue Ladder Truck	400,000								
FD11	LCFRS Base Station Radios	100,000								
FD12	LCFRS Chief & Deputy Vehicle Replacement	80,000								
FD13	LCFRS Mobile Data Terminal	10,000								
FD14	LCFRS Pagers	15,000								
FD15	LCFRS Command Vehicle		80,000							
FD16	LCFRS Rescue 1 Vehicle		600,000							
FD17	LCFRS Assistant Fire Chief Vehicle		40,000							
FD18	LCFRS HVAC System		40,000							
FD19	LCFRS Training Materials			12,000						
FD20	LCFRS PPE				30,000					
FD21	LCFRS Air Bag Rescue System					45,000				
FD22	LCFRS SCBA Equipment					100,000				
		740,000	830,000	47,000	80,000	180,000	50,000	35,000	50,000	35,000

Funding Sources		2016	2017	2018	2019	2020	2021	2022	2023	2024
Equipment Replacement Fire Dept.	600,000	480,000	120,000	-	-	-	-	-	-	-
Machinery Replacement Reserve	-	-	-	-	-	-	-	-	-	-
Capital Works Reserve	532,000	225,000	75,000	12,000	45,000	145,000	15,000	-	15,000	-
Future Police Cost Reserve	315,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Casino Proceeds	600,000	-	600,000	-	-	-	-	-	-	-
Borrowing	-									
	2,047,000	740,000	830,000	47,000	80,000	180,000	50,000	35,000	50,000	35,000

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Protective Services Projects</b>				
RP1	RCMP Office Equipment & Computers	To provide funding for furniture and equipment replacements at the RCMP detachment	28,700	None.
RP2	RCMP Detachment Improvements	Repair the main RCMP detachment building.	3,500	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
EP1	Emergency Preparedness Program Exercise	Undertake a full scale Emergency training exercise.	18,000	None.
FD1	LCFRS Pumper Truck	Replace 1993 Fire Pumper Truck.	835,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD2	LCFRS Hose & Nozzles	Replace hose and obsolete nozzles.	15,000	None.
FD3	LCFRS Automatic Defibrillators	Replace outdated AED with current model	7,500	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD4	LCFRS SCBA Test Bench	Replace Aging Equipment	20,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD5	LCFRS Fire Prevention Vehicle	Replace the 2009 Cheverolet Malibu Hybrid 4 years ahead of schedule as current vehicle does not meet departmental needs.	40,000	None.
FD6	LCFRS Kitchen Appliances	Replace aging kitchen appliances at fire hall.	6,000	None.
FD7	LCFRS Training Ground Props	Replace & upgrade training props for fire training ground at back of firehall.	60,000	None.
FD8	LCFRS Flooring Replacement	Repair or replace fire station carpets and flooring as required	20,000	None.
FD9	LCFRS Hydraulic Rescue Tools	Replace hydraulic rescue tools	20,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD10	LCFRS Rescue Ladder Truck	Retrofit Ladder truck to extend service life.	400,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD11	LCFRS Base Station Radios	Replacement of out dated radios. Important as these are life safety radios	100,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
FD12	LCFRS Chief & Deputy Vehicle Replacement	Replace 10-year old vehicles	80,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD13	LCFRS Mobile Data Terminal	Acquire new mobile data terminals	10,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD14	LCFRS Pagers	Upgrade pagers for Paid on Call staff	15,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD15	LCFRS Command Vehicle	Replace 1999 Command Vehicle	80,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD16	LCFRS Rescue 1 Vehicle	Replace 1996 Rescue truck	600,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD17	LCFRS Assistant Fire Chief Vehicle	Replace 10-year old vehicles	40,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD18	LCFRS HVAC System	Replace or upgrade firehall HVAC system	40,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD19	LCFRS Training Materials	Upgrade training manuals to meet current NFPA standards	12,000	None.
FD20	LCFRS PPE	Upgrade of Personal Protective Equipment to meet WorkSafe standards	30,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD21	LCFRS Air Bag Rescue System	Replace old air bag rescue system as equipment will have reached its life expectancy	45,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD22	LCFRS SCBA Equipment	Replace Aging Equipment	100,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	Capital Works Reserve 200	MRN Roads 511	DCC Roads	Machine	Casino	Grant	Special Bond
						Unallocated 203	Replace 207	Proceeds 510		
<b>Engineering Projects</b>										
E1	Equipment Replacement	2015	155,000				155,000			
E2	Brine trunk for snow and ice control	2015	7,000	7,000						
E3	Changeable Message Board	2015	25,000	25,000						
E4	Shoring Trailer	2015	20,000	20,000						
E5	Engineering Survey and Inspection Vehicle	2015	35,000	35,000						
E6	Road Rehabilitation	2015	500,000					500,000		
E7	Misc Property Purchase	2015	50,000	50,000						
E8	Pedestrian Facilities (DCC-R014)	2015	100,000	50,500		49,500				
E9	203 Street Bridge (Planning & Engineering)	2015	240,000	-				240,000		
E10	Landfill Closure Assessment Report	2015	10,000	10,000						
E11	Infrastructure Asset Management Plan / DCC Update	2015	35,000	25,000					10,000	
E12	Salt Lane (Public Realm)	2015	50,000	50,000						
E13	Ornamental streetlight replacement (Public Realm)	2015	200,000					200,000		
E14	200 St/Logan Ave rail Crossing	2015	300,000	-				300,000		
E15	Pedestrian Walkway refurbishment	2015	50,000	50,000						
E16	Christmas tree cords	2015	50,000	50,000						
E17	Kiosk wraps	2015	15,000	15,000						
E18	Retaining Wall and Slope Assessment	2015	40,000	40,000						
E19	Downtown Tree Replacement and Sidewalk Repair	2015	25,000	25,000						
E20	Pedestrian Signal / Audible upgrade	2015	15,000	15,000						
E21	Signal Upgrade - Glover & Duncan	2015	270,000	6,175		66,825		177,000	20,000	
E22	Signal Installation - 203 St at Industrial ave	2015	245,000	-				200,000	20,000	25,000
E23	Signal Installation - Douglas Crescent at City Hall	2015	270,000					250,000	20,000	
E24	Timm's Parking lot paving	2015	170,000					170,000		
E25	City Hall Streetscape (Public Realm)	2015	540,000					540,000		
E26	Douglas Crescent Median and Paving - 20300 blk	2015	50,000	50,000						
			3,467,000	523,675	-	116,325	155,000	2,577,000	70,000	25,000

**Engineering Capital Improvement Plan 2016 - 2024**

Item	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
E1	Equipment Replacement	500,000	500,000	200,000	200,000	200,000	100,000	100,000	100,000	100,000
E6	Road Rehabilitation	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
E7	Misc Property Purchase	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
E8	Pedestrian Facilities (DCC-R014)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	2,632,000
E9	203 Street Bridge & Bike Lanes	1,200,000								
E20	Pedestrian Signal / Audible upgrade	15,000	15,000	15,000	15,000	15,000	15,000	15,000		
E27	Accessibility Improvements	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
E28	Traffic Calming	75,000	75,000	75,000	75,000					
E29	LED Lighting Fixture Replacement Program		50,000	50,000	50,000	50,000	50,000			
E30	Traffic Pole Replacement	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
E31	Signal Upgrades (DCC-R011)		250,000		250,000		250,000		250,000	
E32	Transit Support Measures (DCC-R012)	100,000		100,000		100,000		100,000		1,500,000
E33	Bicycle Facilities (DCC-R013)	300,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	3,402,000
E34	Curb Bulges / Rain Gardens (Public Realm)	150,000								
E35	Operation Centre Generator	175,000								
E36	Traffic Signal Coordination - Fraser Hwy	100,000								
E37	Glover & Collection Intersection		250,000							
E38	62 Ave: 200 to Mufford (DCC-R003)			2,000,000						
E39	200 St: Fraser to Logan (DCC-R002)					1,330,000				
E40	200 & Fraser Intersection (DCC-R005)						396,000			
E41	201A & 56 Intersection (DCC-R008)						396,000			
E42	Ops Centre Building								6,000,000	
E43	196A St: 60 to Fraser (DCC-R017)									645,000
E44	200 St: Left Turn Lanes (DCC-R019)									1,880,000
E45	202 St: Bypass to 62 (DCC-R015)									5,000,000
E46	Grade Cr: 200 to 205 (DCC-R004)									7,500,000
		<b>3,650,000</b>	<b>2,325,000</b>	<b>3,625,000</b>	<b>1,775,000</b>	<b>2,880,000</b>	<b>2,392,000</b>	<b>1,400,000</b>	<b>7,535,000</b>	<b>23,594,000</b>

**Unfunded Projects:**

Underground Hydro/Tel Fraser Hwy 204-206

1,625,000

**Engineering Capital Improvement Plan 2016 - 2024**

<b>Funding Sources</b>	<b>Total</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
Machinery Replacement Reserve	2,000,000	500,000	500,000	200,000	200,000	200,000	100,000	100,000	100,000	100,000
Capital Works Reserve	5,620,305	158,830	1,296,685	666,060	463,685	524,360	598,645	911,060	673,685	327,295
DCC Roads	-									
DCC Roads Unallocated	15,845,195	247,500	185,625	1,633,250	185,625	1,489,950	577,665	173,250	185,625	11,166,705
Major Road Network Rehabilitate	153,980	153,980								
Grants	-			-						
Borrowing	-									
Casino Proceeds/Taxation Rev/Debt	25,556,520	2,589,690	342,690	1,125,690	925,690	665,690	1,115,690	215,690	6,575,690	12,000,000
	49,176,000	3,650,000	2,325,000	3,625,000	1,775,000	2,880,000	2,392,000	1,400,000	7,535,000	23,594,000



## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Engineering Projects</b>				
E1	Equipment Replacement	Replace unit # 190 electricians van (Heavy duty with aerial bucket). \$28000 for small equipment which includes two small sanders and shoring equipment.	155,000	None.
E2	Brine tank for snow and ice control	Purchase and Retrofit a truck with brine tank for snow and ice control.	7,000	None.
E3	Changeable Message Board	The City currently rents message boards when required. Having one as part of fleet would allow for increased communication and reduced rental costs.	25,000	Reduced rental costs.
E4	Shoring Trailer	Shoring is currently transported on flatbed truck, trailer would allow greater flexibility.	20,000	None.
E5	Engineering Survey and Inspection Vehicle	Purchase a vehicle for Engineering survey and inspections.	35,000	None.
E6	Road Rehabilitation	Rehabilitate Roads and pavement to acceptable standards. (53A Ave – 201 St to 203 St, 200 St Nicomekl Bridge, 201A St – Michaud to 53 Ave, 203 St – 49A Ave to Grade Cres, 51 Ave E of 208 St)	500,000	Remedial work to deteriorated roads will extend the life of the roads and will reduce significant road reconstruction costs in the future.
E7	Misc Property Purchase	To provide funding for possible future land acquisition and development	50,000	None.
E8	Pedestrian Facilities (DCC-R014)	Includes the procurement of land and construction activities associated with providing sidewalk, off-street multi-use pathways. (Includes Production Way Sidewalk between Fraser Hwy and 200 St, 53 Ave sidewalk 200 St to 201 St, Accessibility Improvements and Bus stop Accessibility) Additional sidewalk priorities from Master Transportation Plan.	100,000	None.
E9	203 Street Bridge (Planning & Engineering)	Planning and design costs for replacement of the 203 St bridge.	240,000	Current maintenance cost to maintain this bridge will be reallocated to maintain other deteriorating roads.
E10	Landfill Closure Assessment Report	To meet requirements of the Ministry of Environment.	10,000	None.
E11	Infrastructure Asset Management Plan / DCC Update	To help the City plan for smart renewal of its infrastructure assets and update its DCC Bylaw.	35,000	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
E12	Salt Lane (Public Realm)	To replace lighting and signage in Salt Lane.	50,000	None.
E13	Ornamental streetlight replacement (Public Realm)	Continue streetlight replacement along corridor as laid out in the Public Realm plan.	200,000	None.
E14	200 St/Logan Ave rail Crossing	For City share of rail crossing and repaving the approaches - Fraser to Logan. CP Plans to replace the tracks in 2015.	300,000	None.
E15	Pedestrian Walkway refurbishment	Have had a number of complaints regarding the accessibility of walkways. Budget should allow for the full rehabilitation of three walkways.	50,000	None.
E16	Christmas tree cords	To install underground lockable boxes, to prevent vandalism, power theft and use by the homeless.	50,000	Reduced vandalism costs.
E17	Kiosk wraps	Install further kiosk wraps to reduce vandalism and graffiti.	15,000	Reduced vandalism costs.
E18	Retaining Wall and Slope Assessment	An assesment of City owned retaining walls to mitigate risk and prescribe future maintenance and replacement.	40,000	None.
E19	Downtown Street Tree Replacement and Sidewalk Repair	To do root pruning, sidewalk repair, strategic tree replacement where necessary to improve accessibility where trees are interfering with sidewalks.	25,000	None.
E20	Pedestrian Signal / Audible upgrade	Replace pedestrian audible units	15,000	None.
E21	Signal Replacement & Upgrade - Glover & Duncan	Traffic signal equipment has a best practice life expectancy - 12 years for the cabinet and controller and 25 years for the signal heads, poles and wiring.	270,000	None.
E22	Signal Installation - 203 St at Industrial ave	Install fully signalized intersection.	245,000	None.
E23	Signal Installation - Douglas Crescent at City Hall	Install fully signalized intersection for new exit from civic facility.	270,000	None.
E24	Timm's Parking lot paving	To repave parking lot behind City Hall and new Timms Community Center	170,000	None.
E25	City Hall Streetscape (Public Realm)	Upgrade to public realm standards along Douglas Crescent, 204 Street, Fraser Hwy and 56th Ave frontage to civic facility.	540,000	None.
E26	Douglas Crescent Median and Paving - 20300 blk	Upgrade median and paving along Douglas Crescent fronting new civic facility.	50,000	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
E27	Accessibility Improvements	Construct wheelchair curb letdowns to facilitate access.	10,000	Marginal incremental maintenance costs will be required in future years.
E28	Traffic Calming	Install traffic calming measures at school zone sites throughout the City.	75,000	None.
E29	LED Lighting Fixture Replacement Program	Upgrade existing street lights to new energy efficient LED bulbs.	50,000	Operating costs should be reduced due to less frequent maintenance and reduced power consumption.
E30	Traffic Pole Replacement	Continued upgrade of traffic poles throughout the City.	75,000	None.
E31	Signal Upgrades (DCC-R011)	Traffic signal equipment has a best practice life expectancy - 12 years for the cabinet and controller and 25 years for the signal heads, poles and wiring.	250,000	None.
E32	Transit Support Measures (DCC-R012)	Install concrete bus landing pads at various locations throughout the City	100,000	None.
E33	Bicycle Facilities (DCC-R013)	Includes the procurement of land and construction activities associated with providing bicycle lanes, shared lanes, bicycle storage facilities.	300,000	Current maintenance cost to maintain the bicycle facilities will be reallocated to maintain other deteriorating bicycle facilities.
E34	Curb Bulges / Rain Gardens (Public Realm)	Install curb bulges and rain gardens in the downtown core consistent with the public realm plan.	150,000	None.
E35	Operation Centre Generator	Install a back up Operation Centre generator.	175,000	None.
E36	Traffic Signal Coordination - Fraser Hwy	To coordinate the traffic signal timing along Fraser Highway to improve traffic flow.	100,000	None.
E37	Glover & Collection Intersection	Reconstruct intersection	250,000	Current maintenance cost to maintain this signal will be reallocated to maintain other signals.
E38	62 Ave: 200 to Mufford (DCC-R003)	Reconstruct 62 Ave between 200 Street and Mufford Crescent to arterial road standard.	2,000,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.
E39	200 St: Fraser to Logan (DCC-R002)	Provide an additional lane on 200 St between Logan Ave and the Langley Bypass.	1,330,000	Slight increases to operations and maintenance cost to maintain this road.
E40	200 & Fraser Intersection (DCC-R005)	Reconstruct intersection	396,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
E41	201A & 56 Intersection (DCC-R008)	Reconstruct intersection	396,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.
E42	Ops Centre Building	Construct a new Operation Centre Building.	6,000,000	None.
E43	196A St: 60 to Fraser (DCC-R017)	Reconstruct 196A St between 60 Ave. and Fraser Highway to a collector road standard.	645,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.
E44	200 St: Left Turn Lanes (DCC-R019)	Provide left turn lanes on the 200 Street	1,880,000	Slight increases to operations and maintenance cost to maintain this road.
E45	202 St: Bypass to 62 (DCC-R015)	Construct 202 St. between Langley Bypass and 62 Ave to an arterial road standard.	5,000,000	Slight increases to operations and maintenance cost to maintain this road.
E46	Grade Cr: 200 to 205 (DCC-R004)	Reconstruct Grade Crescent between 200 Street and 205 Street to arterial road standard.	7,500,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	Office Equip Replace 209	Capital Works Reserve 200	Hotel Tax 513	Casino Proceeds	Machine Equip 510	Community Develop	Grants
<b>Development Services Projects</b>										
DS1	ESA Study & Mapping Update	2015	35,000		35,000					
			35,000	-	35,000	-	-	-	-	-

**Development Services Capital Improvement Plan 2016 - 2024**

Item	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
DS2	Building Inspector Electric Vehicle	30,000					30,000			
DS3	Child Friendly Community Initiative		40,000							
DS4	Senior/Age Friendly Community Initiative			40,000						
DS5	Affordable Housing Strategy Update				40,000					
		30,000	40,000	40,000	40,000	-	30,000	-	-	-

Funding Sources		2016	2017	2018	2019	2020	2021	2022	2023	2024
Office Equipment Replacement	-	-	-	-	-	-	-	-	-	-
Capital Works Reserve	-	-	-	-	-	-	-	-	-	-
Parks & Recreation Reserve	-	-	-	-	-	-	-	-	-	-
Machinery Replacement Res	60,000	30,000	-	-	-	-	30,000	-	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Casino Proceeds	120,000	-	40,000	40,000	40,000	-	-	-	-	-
	180,000	30,000	40,000	40,000	40,000	-	30,000	-	-	-

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Development Services Projects</b>				
DS1	ESA Study & Mapping Update	To update the City’s existing ESA Study and Mapping prepared in 1997. Since then conditions on the ground have changed as have methodologies and provincial and federal regulations. It is important to update the City ESA mapping policies and guidelines to reflect current realities.	35,000	None.
DS2	Building Inspector Electric Vehicle	Replace unit 219 - Smart Car & Unit 252 - Nissan Versa	30,000	Electric vehicles will reduce vehicle charge out rates by approximately \$5,000 per year.
DS3	Child/Youth Friendly Community Initiative	In an child & youth-friendly community, policies, services and structures related to the physical and social environment are designed with children and youth in mind.	40,000	None.
DS4	Senior/Age Friendly Community Initiative	In an age-friendly community, policies, services and structures related to the physical and social environment are designed to help seniors age actively. In other words, the community is set up to help seniors live safely, enjoy good health and stay involved.	40,000	None.
DS5	Affordable Housing Strategy Update	The existing Affordable Housing Strategy was prepared in 2009. The purpose of the update strategy is to guide decision making around affordable housing over the next ten years and to consider the potential loss of rental housing units and the City’s role to support affordable housing initiatives.	40,000	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	DCC							Casino Proceed	Grant
				Parks Interest 202-890	DCC Parks Unallocated 202-899	DCC Parks on Hand 202-800	Parks & Recreation 210	Capital Works 200	Machine Replace 207			
<b>Parks &amp; Recreation Projects</b>												
P1	Equipment Replacement	2015	100,000							100,000		
P2	Municipal Athletic Park	2015	100,000								100,000	
P3	Trail System Expansion (DCC-P018)	2015	80,000		39,600		40,400					
P4	Banner Replacement	2015	8,000					8,000				
P5	Public Art	2015	30,000									30,000
P6	City Park - Planning	2015	30,000				30,000					
P7	Sendall Gardens Phase 2	2015	60,000				60,000					
P8	Parks Building Equipment Purchase	2015	15,000					15,000				
P9	Brydon Park playground	2015	110,000								110,000	
P10	City Park Playground	2015	75,000								75,000	
P11	City Park Tree Removal and Fencing	2015	30,000				30,000					
P12	AAMP - Repairs and Upgrades	2015	20,000				20,000					
P13	DRC - Program Supplies	2015	4,500				4,500					
P14	DRC - Paint DRC	2015	4,000				4,000					
P15	Special Events - Sound Equipment	2015	6,000				6,000					
P16	TCC - Weight room and spin bikes	2015	362,700								362,700	
P17	TCC - Games & Fitness Rooms	2015	11,110								11,110	
P18	TCC - MPRs	2015	6,300								6,300	
P19	TCC - Community Kitchen	2015	7,300								7,300	
P20	TCC - Gymnasium	2015	55,000								55,000	
P21	TCC - Tables, chairs, lounge	2015	35,000								35,000	
P22	TCC - Washer/dryer	2015	3,000								3,000	
P23	TCC - Staff Room	2015	2,000								2,000	
P24	McBurney Lane Events	2015	20,000								10,000	10,000
P25	Library - Book Sorter	2015	200,000					98,725				101,275
P26	Library - Shelving	2015	18,000								18,000	
			1,392,910	-	39,600	-	194,900	121,725	100,000	795,410	141,275	



**Parks & Recreation Capital Improvement Plan 2016 - 2024**

Item	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
P1	Equipment Replacement	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
P2	Municipal Athletic Park	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
P3	Trail System Expansion (DCC-P018)	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	170,000
P4	Banner Replacement		8,000		8,000		8,000		8,000	
P5	Public Art		20,000		20,000			20,000		
P27	Timm's Equipment	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
P28	DRC Equipment	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
P29	AAMP Equipment	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
P30	Wayfinding, Regulatory and Interpretive Signs		10,000			10,000			10,000	
P31	Nicomekl Floodplain - trees, nature interpretation	20,000	20,000						20,000	
P32	School Site Upgrading	30,000				30,000				
P33	Trail Infrastructure	25,000		25,000		25,000		25,000		
P34	Neighbourhood Park Upgrades	20,000		20,000		20,000		20,000		
P35	Open Space Upgrades - Innes Corners, McBurney Plaza, BC Hyd.	5,000			5,000			5,000		
P36	Seniors Resource Center Pond	215,000								
P37	Condor Park Playground	45,000								
P38	Douglas Park - Planning	10,000								
P39	AAMP - Family Changeroom Tiled Floor	27,500								
P40	AAMP - Lighting Upgrade in Lobby & hallway	4,000								
P41	AAMP - Front Counter	11,000								
P42	Spec Events - Cinebox HD 20" System (movies in the park)	6,000								
P43	Spec Events - Events Trailer	19,000								
P44	DRC - Flooring	45,000								
P45	Nicholas Park - Washroom (DCC-P011)	70,000								
P46	Penzer Park - Play, Youth Areas	100,000								
P47	Penzer Park - Sports Field (DCC-P013)	500,000								
P48	Dumais Park - Washroom (DCC-P020)	70,000								
P49	Portage Park Planning	10,000								
P50	Replace Ash trees on Fraser One Way		100,000							
P51	Portage Park Upgrades - Dog, Picnic Area		50,000							
P52	Portage Park - Trails (DCC-P014)		65,000							
P53	Douglas Park - Play, Exercise Equipment		100,000							

Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
P54 Douglas Park - Youth Area		100,000							
P55 Buckley Park - Fields, Trails & Play (DCC-P003)		450,000							
P56 City Park - Field, Riparian, Play, Drainage (DCC-P004)		400,000							1,000,000
P57 Rotary Centennial - Planning		10,000							
P58 City Park - Artificial Turf Field			2,000,000						
P59 Rotary Centennial - Sports Field (DCC-P017)			450,000						
P60 Linda Carlson Park - Interpretive Signage, Trails (DCC-P019)			10,000						
P61 Volunteer Support Software			10,000						
P62 Brydon Lagoon - Pond Remediation			200,000						
P63 Linwood Park - Planning			10,000						
P64 Michaud House - Washroom				40,000					
P65 Linwood Park - Paths, Community gardens				100,000					
P66 Linwood Park - Play, Picnic Areas				100,000					
P67 Linwood Park - Sports Field				100,000					
P68 Brydon Park - Planning				10,000					
P69 DRC - Room Divider					20,000				
P70 Brydon Park - Paths & Nature Interpretation					50,000		100,000		
P71 Portage Park Upgrades - Sport Court					150,000				
P72 Sendall Gardens - Planning					50,000				
P73 Conder Park - Planning					10,000				
P74 Conder Park - Upgrades, Riparian, Viewing Platform (DCC-P005)						265,000			
P75 Brydon Park - Field Upgrade							100,000		
P76 Rotary Centennial - Paths, Community Gardens							75,000		
P77 Brydon Park - Playground (DCC-P002)							100,000		
P78 Douglas Park - Trees & Paths (DCC-P006)							75,000		
P79 Linwood Park - Trees, Pathway, Drainage (DCC-P010)							50,000		
P80 DRC - Renovate Second Flr								30,000	
P81 Sendall Gardens - Building Area (DCC-P015)									1,000,000
P82 Douglas Park - Lawn Bowling Green and Clubhouse									1,000,000
P83 Hydro ROW Greenway - Paved Trails, Community Gardens (DCC-P007)									1,400,000
P84 Brydon Park - Land Acquisition (DCC-P001)									2,500,000
P85 Nicomekl Park - Trails, Interpretive Signage, Viewing Platform (DCC-P012)									800,000
P86 Parkland Acquisition (DCC-P016)									3,000,000
	1,522,500	1,623,000	3,015,000	673,000	655,000	563,000	860,000	358,000	11,080,000

Funding Sources		2016	2017	2018	2019	2020	2021	2022	2023	2024
DCC Parks Interest	-	-	-	-	-	-	-	-	-	-
DCC Parks Unallocated	5,699,925	356,400	492,525	267,300	39,600	39,600	170,775	126,225	39,600	4,167,900
DCC Parks on Hand	-	-	-	-	-	-	-	-	-	-
Parks and Recreation Reserve	1,590,575	100,100	147,475	167,700	153,400	185,400	112,225	253,775	138,400	332,100
Future Major Parks and Rec	-	-	-	-	-	-	-	-	-	-
Machinery Replacement Reserve	720,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Grants	500,000	-	-	-	-	-	-	-	-	500,000
Casino Use Proceeds	11,839,000	986,000	903,000	2,500,000	400,000	350,000	200,000	400,000	100,000	6,000,000
Borrowing	-									
	20,349,500	1,522,500	1,623,000	3,015,000	673,000	655,000	563,000	860,000	358,000	11,080,000

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Parks &amp; Recreation Projects</b>				
P1	Equipment Replacement	Unit # 162 a trailer that hauls the mower, unit # 212 a 2004 Ford F 150 and the front mount ride-on mower.	100,000	None.
P2	Municipal Athletic Park	Annual contribution to Township of Langley for development of this park.	100,000	None.
P3	Trail System Expansion (DCC-P018)	Expand trail system to provide more connectivity; design and build strategically located infrastructure to support trail system.	80,000	Increased annual maintenance for any new trails.
P4	Banner Replacement	Replace banners on a scheduled cyclical plan	8,000	None.
P5	Public Art	Incorporate public art along the trail system, potentially as part of the way-finding system.	30,000	None.
P6	City Park - Planning	Conduct a comprehensive Park master plan for City Park including a full community communications and engagement process.	30,000	None.
P7	Sendall Gardens Phase 2	Funding to complete remediation as per pond study.	60,000	None.
P8	Parks Building Equipment Purchase	Purchase equipment and furnishings for new Parks Operations building.	15,000	None.
P9	Brydon Park playground	Add/replace play equipment, surfacing and borders.	110,000	None.
P10	City Park Playground	Surfacing and borders.	75,000	None.
P11	City Park Tree Removal and Fencing	Remove hazardous trees along Robin Jailaid ball diamond and replace fencing.	30,000	None.
P12	AAMP - Repairs and Upgrades	Upgrade Exit Shutters to be integrate with alarm system, replace remainder of pool gutter grates, replace faulty surtge tank valve, and purchase replacement program supplies.	20,000	None.
P13	DRC - Program Supplies	Purchase new program supplies such as new storage carts and play equipment.	4,500	None.
P14	DRC - Paint DRC	To have the hallway, main hall and kitchen painted at DRC.	4,000	None.
P15	Special Events - Sound Equipment	The current sound equipment used at the Douglas Park Spirit Square needs to be replaced, and additional equipment is required.	6,000	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P16	TCC - Weight room and spin bikes	Purchase new equipment for larger weight room at the new Timms Community Centre. Updated cardio equipment will include the latest technology for programs and advertising through built-in monitors.	362,700	None.
P17	TCC - Games & Fitness Rooms	Supplies and equipment to furnish the games and fitness room including replacement games, activities and bosu balls.	11,110	None.
P18	TCC - MPRs	Televisions and portable white boards for the multi-purpose romms at TCC.	6,300	None.
P19	TCC - Community Kitchen	Equipment needed to furnish the community kitchen for user groups.	7,300	None.
P20	TCC - Gymnasium	Equipment for the new gymnasium including volleyball, basketball, pickleball, badminton, table tennis, gymnastic mats, etc.	55,000	None.
P21	TCC - Tables, chairs, lounge	Tables, chairs and lounge furniture for the new lounge area at TCC.	35,000	None.
P22	TCC - Washer/dryer	Purchase a washer and dryer for use at the new TCC.	3,000	None.
P23	TCC - Staff Room	Purchase furnishings and equipment for new staff room at TCC.	2,000	None.
P24	McBurney Lane Events	Host some events throughout the year, through the DLBA ,to attract the public into the area.	20,000	None.
P25	Library - Book Sorter	Purchase a book sorting machine to automate book check-in and distribution,	200,000	Annual maintenance of \$20,000.
P26	Library - Shelving	Purchase new shelving for newly configured library.	10,000	None.
P27	Timm's Equipment	Anticipated equipment replacement in the out years.	10,000	None.
P28	DRC Equipment	Anticipated equipment replacement in the out years.	10,000	None.
P29	AAMP Equipment	Anticipated equipment replacement in the out years.	10,000	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P30	Wayfinding, Regulatory and Interpretive Signs	Develop and install a set of wayfinding, regulatory and interpretive signs for parks, trails, bike routes and recreation/community centres that are consistent with the park identification signs.	10,000	None.
P31	Nicomekl Floodplain - trees, nature interpretation	Plant more native trees, shrubs and berries in City Parks, along with management of invasive species, especially in Nicomekl Floodplain.	20,000	None.
P32	School Site Upgrading	Upgrade play areas at school sites through a joint use agreement where applicable where there is community benefit	30,000	None.
P33	Trail Infrastructure	Design and build strategically located infrastructure to support the trail system - implemented over several years.	25,000	Additional operating dollars for maintenance will be required.
P34	Neighbourhood Park Upgrades	Plan upgrades with community input for parks that need a minor level of upgrade: Buckley Park, Conder Park and other neighbourhood parks and open space.	20,000	None.
P35	Open Space Upgrades - Innes Corners, McBurney Plaza, BC Hydro Corridor	Conduct moderate upgrades to open space.	5,000	None.
P36	Seniors Resource Center Pond	To complete improvements as per the pond study including storm water management.	215,000	None.
P37	Condor Park Playground	Upgrade existing swings at park and add some additional features to playground.	45,000	None.
P38	Douglas Park - Planning	Conduct a planning process with community input for parks that need a moderate level of upgrade.	10,000	None.
P39	AAMP - Family Changeroom Tiled Floor	Tile the family change room to avoid users and staff from slipping. Rubber mats are too heavy and awkward to move.	27,500	None.
P40	AAMP - Lighting Upgrade in Lobby & hallway	To upgrade the lighting in the front foyer and man's and women's changerooms.	4,000	None.
P41	AAMP - Front Counter	Replace front desk and display cabinet at AAMP.	11,000	None.
P42	Spec Events - Cinebox HD 20" System (movies in the park)	To purchase a 20' inflatable screen, projector and sound system to be used at events on City property.	6,000	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P43	Spec Events - Events Trailer	To purchase an event trailer, in co-ordination with Engineering Operations, that would be stocked with supplies to host public events.	19,000	None.
P44	DRC - Flooring	Replace the existing flooring at DRC with a Pulastic Synthetic Sports floor which is multifunctional for sports and programs.	45,000	None.
P45	Nicholas Park - Washroom (DCC-P011)	Construct a washroom facility in the park.	70,000	Maintenance costs to clean and maintain facility.
P46	Penzer Park - Play, Youth Areas	Conduct moderate upgrades to play and youth areas.	100,000	Additional operating dollars for maintenance will be required.
P47	Penzer Park - Sports Field (DCC-P013)	Make improvements anticipated in the DCC bylaw including a soccer field.	500,000	Additional operating dollars for maintenance will be required.
P48	Dumais Park - Washroom (DCC-P020)	Construct a washroom facility in the park.	70,000	Maintenance costs to clean and maintain facility.
P49	Portage Park Planning	Conduct planning process with community input for parks that need a moderate level of upgrade.	10,000	None.
P50	Replace Ash trees on Fraser One Way	Replace Ash trees and install irrigation lines to hanging baskets on Fraser Highway at the one-way section through the downtown core.	100,000	None.
P51	Portage Park Upgrades - Dog, Picnic Area	Conduct upgrades as outlined in the planning process	50,000	Additional operating dollars for maintenance will be required.
P52	Portage Park - Trails (DCC-P014)	Make improvements anticipated in the DCC bylaw including a sports box.	65,000	Additional operating dollars for maintenance will be required.
P53	Douglas Park - Play, Exercise Equipment	Consider an outdoor fitness area in Douglas Park close to the Douglas Recreation Centre for programming purposes.	100,000	Additional operating dollars for maintenance will be required.
P54	Douglas Park - Youth Area	Conduct moderate upgrades to the park as outlined in the planning process.	100,000	Additional operating dollars for maintenance will be required.
P55	Buckley Park - Fields, Trails & Play (DCC-P003)	Make improvements anticipated in the DCC bylaw including construction of a soccer field.	450,000	Additional operating dollars for maintenance will be required.
P56	City Park - Field, Riparian, Play, Drainage (DCC-P004)	Make improvements anticipated in the DCC bylaw	400,000	None.
P57	Rotary Centennial - Planning	Conduct a planning process with community input for parks that need a moderate level of upgrade.	10,000	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P58	City Park - Artificial Turf Field	Consider building an artificial turf field in partnership with sport groups.	2,000,000	Annual maintenance costs are approximately \$50k.
P59	Rotary Centennial - Sports Field (DCC-P017)	Make improvements anticipated in the DCC bylaw including replacing the play structure.	450,000	Additional operating dollars for maintenance will be required.
P60	Linda Carlson Park - Interpretive Signage, Trails (DCC-P019)	Make improvements anticipated in the DCC bylaw including replacing the play structure.	10,000	Additional operating dollars for maintenance will be required.
P61	Volunteer Support Software	Purchase of volunteer support software to help coordination, reporting and measurement related to the volunteer program.	10,000	None.
P62	Brydon Lagoon - Pond Remediation	Make improvements to Brydoon lagoon as outlined in the pond study.	200,000	None.
P63	Linwood Park - Planning	Conduct a planning process with community input for parks that need a moderate level of upgrade.	10,000	None.
P64	Michaud House - Washroom	Provide a proper washroom at Michaud House for use by the public.	40,000	Additional operating dollars for maintenance will be required.
P65	Linwood Park - Paths, Community gardens	Conduct moderate upgrades to the park as outlined in the planning process.	100,000	Additional operating dollars for maintenance will be required.
P66	Linwood Park - Play, Picnic Areas	Conduct moderate level of upgrades to the park as outlined in the planning process	100,000	None.
P67	Linwood Park - Sports Field	Improve existing fields.	100,000	None.
P68	Brydon Park - Planning	Conduct a planning process with community input for Brydon that needs a moderate level of upgrade.	10,000	None.
P69	DRC - Room Divider	Replace fixed wall between the childcare room and the meeting room with a retractable room divider to allow more flexibility in the use of these spaces.	20,000	None.
P70	Brydon Park - Paths & Nature Interpretation	Conduct moderate upgrades of the paths and nature interpretation as outlined in the planning process above.	50,000	Additional operating dollars for maintenance will be required.
P71	Portage Park Upgrades - Sport Court	Conduct upgrades as outlined in the planning process	150,000	Additional operating dollars for maintenance will be required.
P72	Sendall Gardens - Planning	Conduct a comprehensive Park Master Plan for Sendall Gardens, including a full community communications and engagement process.	50,000	None.



## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P73	Conder Park - Planning	Plan upgrades with community input for parks that need a minor level of upgrade: Buckley Park, Conder Park and other neighbourhood parks and open space.	10,000	None.
P74	Conder Park - Upgrades, Riparian, Viewing Platform (DCC-P005)	Make improvements anticipated in the DCC bylaw including riparian area remediation and viewing platform.	265,000	Operating and maintenance costs will increase with the additional facility
P75	Brydon Park - Field Upgrade	Improve existing fields - drainage and irrigation etc.	100,000	None.
P76	Rotary Centennial - Paths, Community Gardens	Conduct upgrades as outlined in the planning process	75,000	Operating and maintenance costs will increase with the additional facility
P77	Brydon Park - Playground (DCC-P002)	Make improvements anticipated in the DCC bylaw.	100,000	Operating and maintenance costs will increase with the additional facility
P78	Douglas Park - Trees & Paths (DCC-P006)	Make improvements anticipated in the DCC bylaw.	75,000	None.
P79	Linwood Park - Trees, Pathway, Drainage (DCC-P010)	Make improvements anticipated in the DCC bylaw.	50,000	None.
P80	DRC - Renovate Second Flr	Renovate 2nd Floor of DRC for additional use	30,000	Operating and maintenance costs will increase with the additional facility
P81	Sendall Gardens - Building Area (DCC-P015)	Make improvements anticipated in the DCC bylaw.	1,000,000	Operating and maintenance costs will increase with the additional facility
P82	Douglas Park - Lawn Bowling Green and Clubhouse	Consider rebuilding the lawn bowling green in Douglas Park with artificial turf and rebuild the clubhouse as a multi-use facility, in partnership with the lawn bowling club and other user groups.	1,000,000	Operating and maintenance costs will increase with the additional facility
P83	Hydro ROW Greenway - Paved Trails, Community Gardens (DCC-P007)	Make improvements anticipated in the DCC bylaw.	1,400,000	Operating and maintenance costs will increase with the additional facility
P84	Brydon Park - Land Acquisition (DCC-P001)	Make improvements anticipated in the DCC bylaw	2,500,000	Operating and maintenance costs will increase with the additional facility
P85	Nicomekl Park - Trails, Interpretive Signage, Viewing Platform (DCC-P012)	Make improvements anticipated in the DCC bylaw	800,000	Operating and maintenance costs will increase with the additional facility
P86	Parkland Acquisition (DCC-P016)	Make improvements anticipated in the DCC bylaw	3,000,000	Operating and maintenance costs will increase with the additional facility

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	Sewer Future Capital 505	DCC Sewer 204	DCC Sewer Unallocated 204	DCC Drainage 201	DCC Drainage Unallocated 201	Casino Proceeds	Grant
<b>Sewer &amp; Drainage Utility Projects</b>										
S1	201A St: 54 to Michaud (DCC-S012)	2015	315,000	3,150	311,850	-				
S2	Grade Crescent Culvert Replacement	2015	230,000	230,000						
S3	Culvert Cleaning	2015	60,000						60,000	
S5	Sewer & Drainage Replacement	2015	300,000						300,000	
			905,000	233,150	311,850	-	-	-	360,000	-

**Sewer & Drainage Utility Capital Improvement Plan 2016 - 2024**

Item	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
S4	Various Locations (DCC-S020)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,200,000
S5	Sewer & Drainage Replacement	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
S6	203 St: Grade to Nicomekl Sanitary (DCC-S005)	1,683,000								
S7	Duncan Way Lift Station (DCC-S023)	223,500								
S8	Fraser Hwy Sewer Replacement - 204 St to 208 St		510,000							
S9	Langley Bypass Culverts (Logan Creek)		1,000,000							
S10	62 Ave: 200 to Mufford (DCC-D009)			1,900,000						
S11	199 St: 56 to 57A (DCC-S010)			540,000						
S12	208 St: 52 to 56 (DCC-S009)			710,000						
S13	49 Ave: 196 to 200 (DCC-S013)					1,100,000				
S14	Leachate Pump Station (DCC-S021)			223,500						
S15	Michaud Crescent: 200 to 203 (DCC- S002)						977,000			
S16	Old Yale Lift Station (DCC-S024)				223,500					
S17	Production Way: 198 to 57A (DCC-S004)						855,000			
S18	206 St: Douglas to 53A (DCC-D006)				160,000					
S19	206 St: Douglas to MV Main (DCC-S015)								1,850,000	
S20	56 Ave: 201 to 203 (DCC-S011)						1,251,985			
S21	Eastleigh Cr: Glover to 56 (DCC-S003)							1,152,000		
S22	Langley Bypass Lift Station (DCC-S022)							223,500		
S23	Logan Ave/Lane s of Logan (DCC-S001)							712,000		
S24	198 St: 54 to 55A (DCC-S019)								471,180	
S25	200 St: Logan to 57A (DCC- S017)								1,090,440	
S26	200 St: Fraser to Logan (DCC-D008)								595,125	
S27	Duncan Way: Bypass to 206 (DCC-S016)									1,550,000
S28	196A St: 60 to Fraser (DCC-D016)									425,000
S29	Fraser Hwy: 196 to Bypass (DCC-D015)									2,400,000
S30	Landmark Way: Fraser to 196 (DCC-D001)									715,000
S31	203 St: Fraser to Nicomekl Outfall (DCC-D003)									4,600,000
S32	205 St: 54 to Nicomekl Outfall (DCC-D005)									254,285
S33	205A St: 50 to 51 (DCC-S018)									500,795
S34	57A Ave: 198 to 200 (DCC-D002)									329,075
S35	Grade Cr: 196 to 200 (DCC-D011)									1,904,400
S36	Grade Cr: 200 to 205 (DCC-D012)									3,100,000
S37	Hydro ROW (Adjacent): 200 to MV Main (DCC-S014)									989,470
S38	Industrial Ave: 201 to 203 (DCC-S006)									713,500
		<b>2,506,500</b>	<b>2,110,000</b>	<b>3,973,500</b>	<b>983,500</b>	<b>1,700,000</b>	<b>3,683,985</b>	<b>2,687,500</b>	<b>4,606,745</b>	<b>19,181,525</b>

**Sewer & Drainage Utility Capital Improvement Plan 2016 - 2024**

Funding Sources		2016	2017	2018	2019	2020	2021	2022	2023	2024
Sewer Future Capital	2,977,873	310,764	525,750	331,250	274,734	36,750	356,590	152,574	310,404	679,057
Capital Works Reserve	-	-	-	-	-	-	-	-	-	-
DCC Sewer	-	-	-	-	-	-	-	-	-	-
DCC Sewer Unallocated	10,395,854	695,736	74,250	861,750	129,566	1,163,250	1,027,395	934,926	901,754	4,607,227
DCC Drainage	-	-	-	-	-	-	-	-	-	-
DCC Drainage Unallocated	8,109,528	-	-	940,500	79,200	-	-	-	294,587	6,795,241
Casino Revenues	19,950,000	1,500,000	1,510,000	1,840,000	500,000	500,000	2,300,000	1,600,000	3,100,000	7,100,000
Grants	-	-	-	-	-	-	-	-	-	-
Borrowing	-	-	-	-	-	-	-	-	-	-
	41,433,255	2,506,500	2,110,000	3,973,500	983,500	1,700,000	3,683,985	2,687,500	4,606,745	19,181,525

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Sewer &amp; Drainage Utility Projects</b>				
S1	201A St: 54 to Michaud (DCC-S012)	To upgrade the sewer to provide local sewerage for the residents.	315,000	Reduce on-going maintenance costs.
S2	Grade Crescent Culvert Replacement	Culvert beneath Grade Crescent is in poor condition and needs repair.	230,000	None.
S3	Culvert Cleaning	The City has a large number of culverts that form a key component of the drainage system. These culverts require inspection and cleaning.	60,000	None.
S4	Various Locations (DCC-S020)	Make small upgrade to the sewer system in various locations.	100,000	Operating and maintenance costs will reduce with repairs of identified defects in the sewer system.
S5	Sewer & Drainage Replacement	Replacement and upgrade of existing aging infrastructure as identified on a priority basis.	300,000	None.
S6	203 St: Grade to Nicomekl Sanitary (DCC-S005)	Replace and upsize the sewer pipe on 203 Street between Grade Crescent and the Nicomekl sanitary line.	1,683,000	Operating and maintenance costs will reduce with repairs of identified defects in the sewer system.
S7	Duncan Way Lift Station (DCC-S023)	To upgrade the sewer pump station.	223,500	Reduce on-going maintenance costs.
S8	Fraser Hwy Sewer Replacement - 204 St to 208 St	Replace and upgrade sewer system under Fraser Hwy in conjunction with water upgrades.	510,000	None.
S9	Langley Bypass Culverts (Logan Creek)	To replace two existing culverts that are deteriorating under the Langley Bypass at Logan creek.	1,000,000	None.
S10	62 Ave: 200 to Mufford (DCC-D009)	To install a storm sewer system to provide local drainage for the residents.	1,900,000	Reduce on-going maintenance costs.
S11	199 St: 56 to 57A (DCC-S010)	To upgrade the sewer to provide local sewerage for the residents.	540,000	Reduce on-going maintenance costs.
S12	208 St: 52 to 56 (DCC-S009)	To upgrade the sewer to provide local sewerage for the residents.	710,000	Reduce on-going maintenance costs.
S13	49 Ave: 196 to 200 (DCC-S013)	To upgrade the sewer to provide local sewerage for the residents.	1,100,000	Reduce on-going maintenance costs.
S14	Leachate Pump Station (DCC-S021)	To upgrade the sewer pump station.	223,500	Reduce on-going maintenance costs.
S15	Michaud Crescent: 200 to 203 (DCC- S002)	To upgrade the sewer to provide local sewerage for the residents.	855,000	Reduce on-going maintenance costs.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
S16	Old Yale Lift Station (DCC-S024)	To upgrade the storm sewer to provide local drainage for the residents.	160,000	Reduce on-going maintenance costs.
S17	Production Way: 198 to 57A (DCC-S004)	To upgrade the sewer to provide local sewerage for the residents.	1,850,000	Reduce on-going maintenance costs.
S18	206 St: Douglas to 53A (DCC-D006)	To upgrade the sewer to provide local sewerage for the residents.	1,251,985	Reduce on-going maintenance costs.
S19	206 St: Douglas to MV Main (DCC-S015)	To upgrade the sewer to provide local sewerage for the residents.	1,152,000	Reduce on-going maintenance costs.
S20	56 Ave: 201 to 203 (DCC-S011)	To upgrade the sewer pump station.	223,500	Reduce on-going maintenance costs.
S21	Eastleigh Cr: Glover to 56 (DCC-S003)	To upgrade the sewer to provide local sewerage for the residents.	712,000	Reduce on-going maintenance costs.
S22	Langley Bypass Lift Station (DCC-S022)	To upgrade the sewer pump station.	223,500	Reduce on-going maintenance costs.
S23	Logan Ave/Lane s of Logan (DCC-S001)	To upgrade the sewer to provide local sewerage for the residents.	712,000	Reduce on-going maintenance costs.
S24	198 St: 54 to 55A (DCC-S019)	To upgrade the sewer to provide local sewerage for the residents.	471,180	Reduce on-going maintenance costs.
S25	200 St: Logan to 57A (DCC- S017)	To upgrade the sewer to provide local sewerage for the residents.	1,090,440	Reduce on-going maintenance costs.
S26	200 St: Fraser to Logan (DCC-D008)	To upgrade the storm sewer to provide local drainage for the residents.	595,125	Reduce on-going maintenance costs.
S27	Duncan Way: Bypass to 206 (DCC-S016)	To extend the storm sewer to provide local drainage for the residents.	1,550,000	Operating and maintenance costs will reduce with repairs of identified defects in the sewer system.
S28	196A St: 60 to Fraser (DCC-D016)	To install a storm sewer system to provide local drainage for the residents.	425,000	Reduce on-going maintenance costs.
S29	Fraser Hwy: 196 to Bypass (DCC-D015)	To install a storm sewer system to provide local drainage for the residents.	2,400,000	Operating and maintenance costs will reduce with repairs of identified defects in the sewer system.
S30	Landmark Way: Fraser to 196 (DCC-D001)	To upgrade the storm sewer to provide local drainage for the residents.	715,000	Reduce on-going maintenance costs.
S31	203 St: Fraser to Nicomekl Outfall (DCC-D003)	To upgrade the storm sewer to provide local drainage for the residents.	4,600,000	Operating and maintenance costs will reduce with repairs of identified defects in the sewer system.
S32	205 St: 54 to Nicomekl Outfall (DCC-D005)	To upgrade the storm sewer to provide local drainage for the residents.	254,285	Reduce on-going maintenance costs.
S33	205A St: 50 to 51 (DCC-S018)	To upgrade the sewer to provide local sewerage for the residents.	500,795	Reduce on-going maintenance costs.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
S34	57A Ave: 198 to 200 (DCC-D002)	To upgrade the storm sewer to provide local drainage for the residents.	329,075	Reduce on-going maintenance costs.
S35	Grade Cr: 196 to 200 (DCC-D011)	To upgrade the storm sewer to provide local drainage for the residents.	1,904,400	Reduce on-going maintenance costs.
S36	Grade Cr: 200 to 205 (DCC-D012)	To upgrade the storm sewer to provide local drainage for the residents.	3,100,000	Reduce on-going maintenance costs.
S37	Hydro ROW (Adjacent): 200 to MV Main (DCC-S014)	To upgrade the sewer to provide local sewerage for the residents.	989,470	Operating and maintenance costs will reduce with repairs of identified defects in the sewer system.
S38	Industrial Ave: 201 to 203 (DCC-S006)	To upgrade the sewer to provide local sewerage for the residents.	713,500	Reduce on-going maintenance costs.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	Water Future Capital 509	DCC Water 205	DCC Water Unallocated 205	Future Police Cost 500	Capital Works 200	Casino Proceeds
<b>Water Utility Projects</b>									
W1	Water Meter Replacement Program	2015	50,000	50,000					
W2	AC/DI Pipe Replacement	2015	300,000						300,000
W3	Eliminate Pipe Twinning	2015	200,000	200,000					
W4	Salt Ln: Fraser to 56 (DCC-W002)	2015	65,000	16,740		48,260			
W5	Air Valve Reservoir Feed	2015	10,000	10,000					
W6	200 St and 208 St PRV Stations - Retrofit	2015	15,000	15,000					
W7	3 Autoflushers	2015	54,000	54,000					
W8	Air Valve Replacement	2015	80,000	80,000					
W9	Uni-directional flushing equipment	2015	10,000	10,000					
			784,000	435,740	-	48,260	-	-	300,000



**Water Utility Capital Improvement Plan 2016 - 2024**

Item	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024
W1	Water Meter Replacement Program	25,000	25,000	25,000	50,000	25,000	25,000	25,000	25,000	25,000
W2	AC/DI Pipe Replacement	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
W3	Eliminate Pipe Twinning	200,000								
W10	Reservoir Secondary Chlorination	100,000								
W11	Langley Byp: 20700 Block (DCC-W012)	100,000								
W12	Fraser Hwy: 204 to 208		640,000							
W13	Fraser Hwy: 19800 Block (DCC-W008)		27,865							
W14	Fraser Hwy: 20400 Block (DCC-W015)		79,030							
W15	Fraser Hwy: Bypass to Landmark (DCC-W009)		197,665							
W16	44 Ave: 204 to 206 (DCC-W005)		524,665							
W17	Replace SCADA System		150,000							
W18	50 Ave: 20500 Block (DCC-W016)			138,415						
W19	199 St: S of 45A (DCC-W019)					61,465				
W20	199A St: S of 45A (DCC-W018)					61,465				
W21	196 St: 46A to Boundary (DCC-W006)								324,165	
W22	203A St: S of 46 (DCC-W020)								146,615	
W23	206A St: S of Duncan Way (DCC-W013)								135,775	
W24	48 Ave: 209 to 210 (DCC-W021)								112,645	
W25	198 St: S of 53 (DCC-W023)									61,465
W26	200A St: 48 to Reservoir (DCC-W001)									453,965
W27	201 St: 50A (DCC-W017)									45,895
W28	205A St: S of Duncan Way (DCC-W014)									156,450
		925,000	2,144,225	663,415	550,000	647,930	525,000	525,000	1,244,200	1,242,775

Funding Sources		2016	2017	2018	2019	2020	2021	2022	2023	2024
Water Future Capital	4,956,592	850,750	528,525	560,642	500,000	506,654	475,000	525,000	510,194	499,827
DCC Water	-	-	-	-	-	-	-	-	-	-
DCC Water Unallocated	1,950,953	74,250	615,700	102,773	-	91,276	-	-	534,006	532,948
Capital Works Reserve	-	-	-	-	-	-	-	-	-	-
Casino Proceeds	1,560,000	-	1,000,000	-	50,000	50,000	50,000	-	200,000	210,000
Borrowing	-	-	-	-	-	-	-	-	-	-
	8,467,545	925,000	2,144,225	663,415	550,000	647,930	525,000	525,000	1,244,200	1,242,775

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Water Utility Projects</b>				
W1	Water Meter Replacement Program	To replace aging water meters that read the water consumption inaccurately.	50,000	Water consumption charges to consumers may increase with more accurate reading ability.
W2	AC/DI Pipe Replacement	Replacement of existing Asbestos Concrete and Ductile Iron pipes due to age.	300,000	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W3	Eliminate Pipe Twinning	Certain areas have two sets of pipes in the same roadway. To reduce the amount of maintenance the City will switch some of the services from the duplicate pipe and decommission this pipe to reduce the ongoing maintenance costs.	200,000	Reduce on-going maintenance cost.
W4	Salt Ln: Fraser to 56 (DCC-W002)	Upgrade of water service for Salt Lane to larger capacity.	65,000	None.
W5	Air Valve Reservoir Feed	Replace air valve on the reservoir feed.	10,000	Operating and maintenance costs will reduce with repairs of identified defects in the water system.
W6	200 St and 208 St PRV Stations - Retrofit	This is the cost to rebuild the two PRV's at both 200th st and 208th st locations.	15,000	None.
W7	3 Autoflushers	This will allow us to purchase and install three automated flushing units.	54,000	Reduction in regular labour required to manually flush areas,
W8	Air Valve Replacement	Bringing 14 air valves up to current MMCD Standards.	80,000	None.
W9	Uni-directional flushing equipment	This equipment will allow the City to perform uni-dirrectional flushing.	10,000	None.
W10	Reservoir Secondary Chlorination	Includes a small building to house the unit for \$50,000 plus the secondary chlorination injector for \$50,000.	100,000	Operating and maintenance costs will reduce will increase marginally.
W11	Langley Byp: 20700 Block (DCC-W012)	Replace existing water main on the Langley Bypass at 207 Street to enhance water pressure and fire flow.	100,000	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W12	Fraser Hwy: 204 to 208	Replace existing water main on Fraser Highway to enhance water pressure and fire flow.	640,000	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
W13	Fraser Hwy: 19800 Block (DCC-W008)	Replace existing water main on Fraser Highway at 198 Street to enhance water pressure and fire flow.	27,865	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W14	Fraser Hwy: 20400 Block (DCC-W015)	Replace existing water main on Fraser Highway at 204 Street to enhance water pressure and fire flow.	79,030	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W15	Fraser Hwy: Bypass to Landmark (DCC-W009)	Replace existing water main on Fraser Highway, Bypass to Landmark to enhance water pressure and fire flow.	197,665	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W16	44 Ave: 204 to 206 (DCC-W005)	Replace existing water main on 44 Ave, 204 Street to 206 Street to enhance water pressure and fire flow.	524,665	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W17	Replace SCADA System	Current system is approximately 15 years old, a new system will provide improved reliability and remote access.	150,000	None.
W18	50 Ave: 20500 Block (DCC-W016)	Replace existing water main on 50 Ave at 20500 Block.	138,415	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W19	199 St: S of 45A (DCC-W019)	Replace existing water main on 199 St South of 45A Ave to enhance water pressure and fire flow.	61,465	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W20	199A St: S of 45A (DCC-W018)	Replace existing water main on 199A St South of 45A Ave to enhance water pressure and fire flow.	61,465	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W21	196 St: 46A to Boundary (DCC-W006)	Replace existing water main on 196 Street, 46A Ave to the City Boundary to enhance water pressure and fire flow.	324,165	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W22	203A St: S of 46 (DCC-W020)	Replace existing water main on 203A Street South of 46 Ave to enhance water pressure and fire flow.	146,615	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W23	206A St: S of Duncan Way (DCC-W013)	Replace existing water main on 206A St South of Duncan Way to enhance water pressure and fire flow.	135,775	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W24	48 Ave: 209 to 210 (DCC-W021)	Replace existing water main on 48 Ave, 209 Street to 210 Street to enhance water pressure and fire flow.	112,645	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
W25	198 St: S of 53 (DCC-W023)	Replace existing water main on 198 St South of 53 Ave to enhance water pressure and fire flow.	61,465	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W26	200A St: 48 to Reservoir (DCC-W001)	Replace existing water main on 200A St, 48 Ave to Reservoir to enhance water pressure and fire flow.	453,965	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W27	201 St: 50A (DCC-W017)	Replace existing water main on 201 St at 50A Ave to enhance water pressure and fire flow.	45,895	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W28	205A St: S of Duncan Way (DCC-W014)	Replace existing water main on 205A Street south of Duncan Way to enhance water pressure and fire flow.	156,450	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.

CITY OF LANGLEY

CAPITAL IMPROVEMENT PLAN - RESERVE FORECAST

	Estimated Balance Dec 31, 2014	Reserve Additions			Reserve Expenditures	Balance Dec 31, 2015
		Amount	Source	Interest Addition		
<b>Statutory Reserves</b>						
Capital Works Reserve	605,464	671,500	General Revenues	12,109	811,015	478,059
Equipment Replace Fire Dept	1,366,447	55,000	General Revenues	27,329	875,000	573,776
Lane Development	246,685	-		4,934	-	251,619
Machinery Replacement	875,980	250,000	General Revenues	17,520	255,000	888,500
Off Street Parking	219,569	11,600	General Revenues	4,391	-	235,560
Office Equipment	8,268	46,500	General Revenues	165	25,500	29,433
Parks & Recreation	33,728	177,500	General Revenues	675	194,900	17,002
	<u>3,356,141</u>	<u>1,212,100</u>		<u>-</u>	<u>67,123</u>	<u>2,161,415</u>
<b>Reserve Accounts</b>						
Community Works Fund (Gas Tax)	121,600	121,600		2,432	-	245,632
Future Police Cost	2,880,197	-		57,604	859,530	2,078,270
Gaming Proceeds	449,874	5,015,690	Gaming	101,080	4,367,410	1,199,234
Major Road Network Rehab	25,305	277,105	GVTA Funding	506	-	302,916
Sewer Future Capital	157,483	310,200	Sewer Revenues	3,150	233,150	237,682
Special Bond Reserve	3,295,526	-		65,911	25,000	3,336,436
Tax Rate Stabilization	323,411	-		6,468	-	329,880
Water Future Capital	379,609	535,000	Water Revenues	7,592	435,740	486,462
	<u>7,511,404</u>	<u>6,137,995</u>		<u>-</u>	<u>242,311</u>	<u>5,920,830</u>
<b>DCC Accounts</b>						
DCC Drainage	2,076,824	100,000	Developer Contributions	41,536	-	2,218,360
DCC Parks	4,867,266	40,000	Developer Contributions	97,345	39,600	4,965,012
DCC Roads	604,681	125,000	Developer Contributions	12,094	116,325	625,449
DCC Sewer	668,944	100,000	Developer Contributions	13,379	311,850	470,473
DCC Water	546,193	40,000	Developer Contributions	10,924	48,260	548,857
	<u>8,763,909</u>	<u>405,000</u>		<u>-</u>	<u>175,278</u>	<u>8,828,152</u>
Total all Reserves	<u>19,631,454</u>	<u>7,755,095</u>		<u>-</u>	<u>484,712</u>	<u>8,598,280</u>