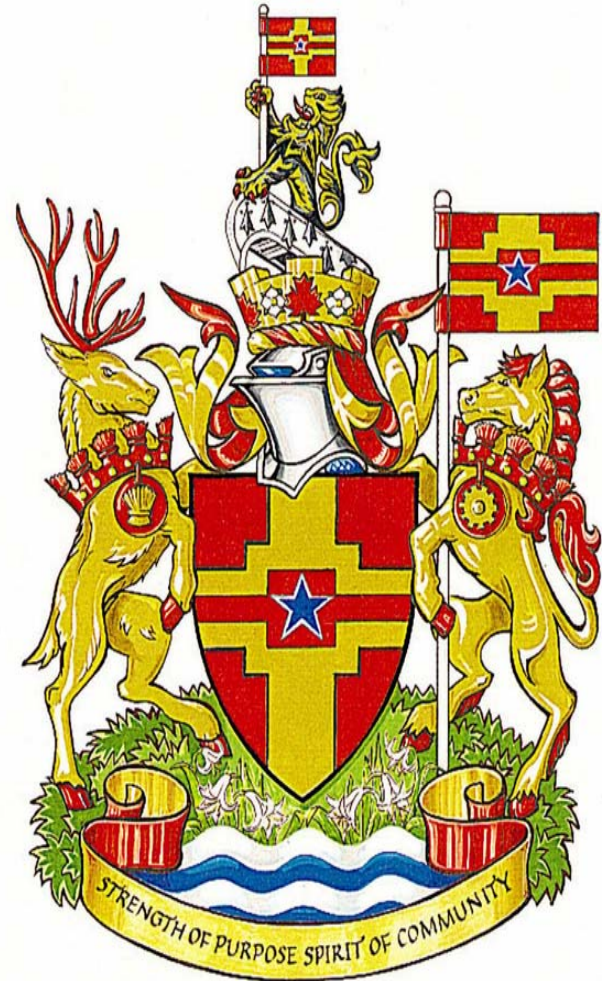


# Capital Improvement Plan 2014 - 2023





## 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	\$ 1,437,500
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	1,437,500
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	1,437,500
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	1,437,500
<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>\$ 5,750,000</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	5,167,860
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>\$ 5,750,000</b>

## Casino Proceeds

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

	<b>Projects Completed</b>	<b>Annual Interest</b>	<b>Principal Repayment</b>	<b>Total Annual Repayment</b>	<b>Property Tax Effect</b>
Previous year Projects	\$ 36,933,354	\$ 2,216,001	\$ 1,240,287	\$ 3,456,288	<b>20.482%</b>
2014 projects	12,672,900	633,645	425,578	1,059,223	6.277%
	<u>\$ 49,606,254</u>	<u>\$ 2,849,646</u>	<u>\$ 1,665,865</u>	<u>\$ 4,515,511</u>	<u>26.76%</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 2014

	<b>Projects Completed</b>	<b>Annual Interest</b>	<b>Principal Repayment</b>	<b>Total Annual Repayment</b>	<b>Property Tax Effect</b>
E2 Road Rehabilitation	\$ 500,000	\$ 25,000	\$ 16,791	\$ 41,791	<b>0.248%</b>
E7 Traffic Calming (School Zones)	75,000	3,750	2,519	6,269	<b>0.037%</b>
E9 Signal UPS Backups	60,000	3,000	2,015	5,015	<b>0.030%</b>
E10 Streetlight Bases/Poles Eastleigh	140,000	7,000	4,701	11,701	<b>0.069%</b>
E11 Streetlights Fraser Hwy - 206 St to 208 St (Public Realm)	150,000	7,500	5,037	12,537	<b>0.074%</b>
E12 Ornamental Lights -Douglas & 56 Ave (Public Realm)	200,000	10,000	6,716	16,716	<b>0.099%</b>
E17 City/MOT Highway Directional Signage	50,000	2,500	1,679	4,179	<b>0.025%</b>
P2 Municipal Athletic Park	100,000	5,000	3,358	8,358	<b>0.050%</b>
P4 Timms Community Centre	11,005,000	550,250	369,567	919,817	<b>5.451%</b>
P6 Trail Expansion & Upgrades	40,400	2,020	1,357	3,377	<b>0.020%</b>
P7 Dog Off-Leash Parking Lot Paving	55,000	2,750	1,847	4,597	<b>0.027%</b>
P13 Douglas Park Tennis Court Resurface	35,000	1,750	1,175	2,925	<b>0.017%</b>
P14 Douglas Park Sports Box Refurbish	90,000	4,500	3,022	7,522	<b>0.045%</b>
P15 Douglas Playground Replace Rubber Tiles	40,000	2,000	1,343	3,343	<b>0.020%</b>
P19 Sendall Gardens Pond	65,000	3,250	2,183	5,433	<b>0.032%</b>
S4 Brydon Lagoon outlet structure replacement	67,500	3,375	2,267	5,642	<b>0.033%</b>
	<u>\$ 12,672,900</u>	<u>\$ 633,645</u>	<u>\$ 425,578</u>	<u>\$ 1,059,223</u>	<u>6.277%</u>

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	Office Equipment Replacement 209	Capital Works Reserve 200	Grants	Borrowing	Casino Proceed 510	Machine Equip 510
<b>General Government Services Projects</b>									
GG1	City Hall Replace HVAC units	2014	30,000		30,000				
GG2	City Hall Autoscrubber	2014	10,000		10,000				
GG3	City Hall paint interior of Library	2014	5,000		5,000				
GG4	City Hall Lighting Upgrade	2014	6,000		6,000				
GG5	Recreation ActiveNet	2014	24,745		24,745				
GG6	IT Computer Workstation Upgrade	2014	33,900	33,900					
GG7	IT Network Management Application	2014	9,750	9,750					
GG8	IT Network Connection to CPO	2014	8,325		8,325				
			127,720	43,650	84,070	-	-	-	-

**General Government Services Capital Improvement Plan 2015 - 2023**

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
GG6	IT Computer Workstation Upgrade	20,500	24,500	25,000	25,000	25,000	25,000	25,000	25,000	25,000
GG9	IT Computer Server Upgrade	5,000	9,000	7,500	7,500	7,500	7,500	7,500	7,500	7,500
GG10	IT Software Upgrades	10,700	30,000							
GG11	Property Acquisition	500,000	500,000	500,000						
GG12	IT Tempest MyCity	12,865								
GG13	IT Tempest eBilling	22,000								
GG14	Human Resource Study	25,000								
GG15	Records Management Consultant	20,000								
GG16	IT Tempest FieldPro		10,200							
GG17	Bylaw Vehicle		25,000		25,000					
GG18	Office Equipment Replacement		15,000		15,000	15,000		15,000		15,000
GG19	IT Tempest Prospero eApply			17,000						
		616,065	613,700	549,500	72,500	47,500	32,500	47,500	32,500	47,500

Funding Sources		2015	2016	2017	2018	2019	2020	2021	2022	2023
Office Equipment Replacement	380,265	49,065	43,700	32,500	47,500	47,500	32,500	47,500	32,500	47,500
Capital Works Reserve	129,000	67,000	45,000	17,000						
Parks & Recreation Reserve	-									
Machinery Replacement	50,000		25,000		25,000					
Grants	-									
Casino Proceeds	1,500,000	500,000	500,000	500,000						
	2,059,265	616,065	613,700	549,500	72,500	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	City Hall Replace HVAC units	HVAC units are aging and have started to fail resulting in prohibitive repair costs.	30,000	Reduction in repair costs for existing units.
GG2	City Hall Autoscrubber	Replace floor cleaner at city hall.	10,000	None.
GG3	City Hall paint interior of Library	Repair and paint library walls.	5,000	None.
GG4	City Hall Lighting Upgrade	Upgrade to more energy efficient lighting at city hall.	6,000	Project will recouperate costs over a 4 year period.
GG5	Recreation ActiveNet	Switch from our current Class recreation system to ActiveNet, which is supplied by the same vendor. ActiveNet is a hosted solution whereby we would no longer maintain our own database in-house; staff access ActiveNet through the internet. Class is being discontinued in 2016 and the majority of clients have already switched over to the new modern system.	24,745	Anticipated small operational savings due to reduced licence and processing fees.
GG6	IT Computer Workstation Upgrade	Workstations are replaced after five years of service.	33,900	None.
GG7	IT Network Management Application	A system to improve the effectiveness and efficiency of network management.	9,750	Annual maintenance costs of \$1,800.
GG8	IT Network Connection to CPO	Connect the Community Police Office (CPO) to the network via a fiber optic cable improving the access speed.	8,325	We will be able to disconnect our VPN connection, saving \$1,200 per year.
GG9	IT Computer Server Upgrade	Servers are replaced after five years of service.	5,000	None.
GG10	IT Software Upgrades	Upgrade Microsoft Office on all workstations.	10,700	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
GG11	Property Acquisition	Purchase of strategic properties throughout the City.	500,000	Properties may become exempt from taxation due to municipal ownership and therefore reduce taxation revenue.
GG12	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.
GG13	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.
GG14	Human Resource Study	In order to attract and retain a 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.
GG15	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.



CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
GG16	IT Tempest FieldPro	Allows building inspectors to use their Blackberry's or tablets to manage their inspections and checklists allowing notices to be printed on site and real time updates to the Tempest software.	10,200	There are annual support and maintenance costs of \$600 per user (2).
GG17	Bylaw Vehicle	Replace Bylaw vehicle	25,000	Operating and maintenance costs will reduce with new vehicles.
GG18	Office Equipment Replacement	Ongoing office equipment replacements.	15,000	None.
GG19	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	Office					
				Equipment Replacement Fire Dept. 212	Machinery Replacement Reserve 207	Future Police Costs Reserve 501	Equipment Replacement 209	Capital Works 200	Casino Proceeds
<b>Protective Services Projects</b>									
RP1	RCMP Office Furnishings	2014	30,240			30,240			
RP2	RCMP Municipal Staff Computers	2014	800			800			
RP3	RCMP Detachment Repairs	2014	33,265			33,265			
FD1	LCFRS Portable Radios	2014	10,000					10,000	
FD2	LCFRS Turnout Gear Dryer	2014	10,000					10,000	
FD3	LCFRS Uniform Washer/Dryer	2014	8,000					8,000	
FD4	LCFRS E11 Mobile Data Terminal	2014	5,000					5,000	
FD5	LCFRS Upstairs Furniture	2014	5,000					5,000	
EP1	Emergency Program Storage Bin	2014	15,000					15,000	
			117,305	-	-	64,305	-	53,000	-

**Protective Services Capital Improvement Plan 2015 - 2023**

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
RP1	RCMP Office Furnishings	30,240	30,240	30,240	30,240	30,240	30,240	30,240	30,240	30,240
RP2	RCMP Municipal Staff Computers	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
RP3	RCMP Detachment Repairs	29,485	29,485	29,486	29,485	29,485	29,485	29,485	29,485	29,485
EP2	Emergency Preparedness Program Exercise	18,000								
FD6	LCFRS Pumper Truck	835,000								
FD7	LCFRS Training Dummy	3,000								
FD8	LCFRS Hose & Nozzles	15,000		15,000		15,000		15,000		15,000
FD9	LCFRS HVAC System	40,000								
FD10	LCFRS Audio visual equipment	6,000								
FD11	LCFRS Training Ground Props	60,000								
FD12	LCFRS Automatic Defibrillators	7,500								
FD13	LCFRS Office Furniture	6,000								
FD14	LCFRS Rescue 1 Vehicle	600,000								
FD15	LCFRS Highrise Training	70,000								
FD16	LCFRS Flooring Replacement		20,000							
FD17	LCFRS Hydraulic Rescue Tools		20,000	20,000						
FD18	LCFRS Rescue Ladder Truck		400,000							
FD19	LCFRS Base Station Radios		100,000							
FD20	LCFRS Chief & Deputy Vehicle Replacement		80,000							
FD21	LCFRS Mobile Data Terminal		10,000							
FD22	LCFRS Assistant Fire Chief Vehicle			40,000						
FD23	LCFRS Portable Radios				70,000					
FD24	LCFRS Training Materials				12,000					
FD25	LCFRS Pagers				15,000					
FD26	LCFRS Command Vehicle					80,000				
FD27	LCFRS PPE					30,000				
FD28	LCFRS Air Bag Rescue System						45,000			
FD29	LCFRS SCBA Equipment						60,000			
FD30	LCFRS SCBA Test Bench						50,000			
		<b>1,722,725</b>	<b>692,225</b>	<b>137,226</b>	<b>159,225</b>	<b>187,225</b>	<b>217,225</b>	<b>77,225</b>	<b>62,225</b>	<b>77,225</b>



CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Protective Services Projects</b>				
RP1	RCMP Office Furnishings	Replace computer equipment	30,240	None
RP2	RCMP Municipal Staff Computers	To provide funding for furniture and equipment replacements at the RCMP detachment	800	None.
RP3	RCMP Detachment Repairs	Repair the main RCMP detachment building.	33,265	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD1	LCFRS Portable Radios	Replacement of old out dated radios. Important as these are life safety tools	10,000	None.
FD2	LCFRS Turnout Gear Dryer	Install turnout gear dryer in firehall to compliment existing turnout gear washer	10,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD3	LCFRS Uniform Washer/Dryer	Install uniform washer/dryer to reduce cleaning monthly costs	8,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD4	LCFRS E11 Mobile Data Terminal	Install dispatch Mobile Data Terminal in Engine 11	5,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD5	LCFRS Upstairs Furniture	Replace furniture in crew quarters	5,000	None.
EP1	Emergency Program Storage Bin	Shipping container c.w. shelving to store emergency program supplies.	15,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
EP2	Emergency Preparedness Program Exercise	Undertake a full scale Emergency training exercise.	18,000	Operating costs of the exercise will be reflected in the 2015 financial plan.
FD6	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.
FD7	LCFRS Training Dummy	Replace training mannequin	3,000	
FD8	LCFRS Hose & Nozzles	Replace hose and obsolete nozzles.	15,000	
FD9	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.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
FD10	LCFRS Audio visual equipment	Upgrade to training room A/V equipment	6,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD11	LCFRS Training Ground Props	Replace & upgrade traing props for fire training ground at back of firehall.	60,000	None.
FD12	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.
FD13	LCFRS Office Furniture	Replacement of alarm room desk, chairs, bookshelf	6,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD14	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.
FD15	LCFRS Highrise Training	To undertake highrise fire training due to a proposed highrise to be built adjacent to the fire hall.	70,000	None.
FD16	LCFRS Flooring Replacement	Repair or replace fire station carpets and flooring as required	20,000	None.
FD17	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.
FD18	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.
FD19	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.
FD20	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.
FD21	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.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
FD22	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.
FD23	LCFRS Portable Radios	Replacement of out dated radios. Important as these are life safety radios	70,000	None.
FD24	LCFRS Training Materials	Upgrade training manuals to meet current NFPA standards	12,000	None.
FD25	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.
FD26	LCFRS Command Vehicle	Replace 1999 Command Vehicle	80,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD27	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.
FD28	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.
FD29	LCFRS SCBA Equipment	Replace Aging Equipment	60,000	Operating costs of the equipment are ongoing and reflected in the current year financial plan.
FD30	LCFRS SCBA Test Bench	Replace Aging Equipment	50,000	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	DCC Roads	Machine	Sewer	Casino	Surplus	Grant	
				Works Reserve 200	MRN Roads 511	Unallocated 204	Replace 207	Future 505			Proceeds 510
<b>Engineering Projects</b>											
E1	Equipment Replacement	2014	65,000				65,000				
E2	Road Rehabilitation	2014	500,000					500,000			
E3	Signal Upgrade 200 ST/Michaud (DCC - R)	2014	240,000		180,600	59,400					
E4	Signal Upgrade 200 ST/Grade (DCC - R)	2014	240,000	30,600	150,000	59,400					
E5	Accessibility Improvements	2014	10,000	10,000							
E6	Misc Property Purchase	2014	50,000	50,000							
E7	Traffic Calming (School Zones)	2014	75,000					75,000			
E8	200 St - 50 Ave to 56 Ave	2014	1,162,000		778,850	383,150					
E9	Signal UPS Backups	2014	60,000					60,000			
E10	Streetlight Bases/Poles Eastleigh	2014	140,000					140,000			
E11	Streetlights Fraser Hwy - 206 St to 208 St (Public Realm)	2014	150,000					150,000			
E12	Ornamental Lights -Douglas & 56 Ave (Public Realm)	2014	200,000					200,000			
E13	Bike Racks (Public Realm)	2014	5,000						5,000		
E14	Yellow Curbs in Downtown Area	2014	15,000						15,000		
E15	Traffic Lane Marking Thermoplast Program	2014	7,500						7,500		
E16	LED Lighting Business Case Development	2014	5,500						5,500		
E17	City/MOT Highway Directional Signage	2014	50,000					50,000			
E18	Extend Sidewalk on 201 ST	2014	20,000	20,000							
E19	Asphalt Roller & Trailer	2014	30,000				30,000				
E20	Additional Snow Plow for Fleet	2014	7,700				7,700				
			3,032,700	110,600	1,109,450	501,950	102,700	-	1,175,000	33,000	-



**Engineering Capital Improvement Plan 2015 - 2023**

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
E1	Equipment Replacement	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
E2	Road Rehabilitation	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
E5	Accessibility Improvements	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
E6	Misc Property Purchase	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	
E7	Traffic Calming	75,000	75,000	75,000	75,000					
E13	LED Lighting Fixture Replacement Program	250,000	250,000							
E21	Traffic Pole Replacement	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
E22	Signal Upgrades (DCC-R011)	250,000		250,000		250,000		250,000		250,000
E23	Pedestrian Facilities (DCC-R014)	171,600	171,600	171,600	171,600	171,600	171,600	171,600	171,600	2,059,200
E24	Pedestrian Signal / Audible upgrade	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	
E25	Transit Support Measures (DCC-R012)		100,000		100,000		100,000		100,000	1,500,000
E26	Bicycle Facilities (DCC-R013)	237,600	237,600	237,600	237,600	237,600	237,600	237,600	237,600	2,851,200
E27	Changeable Message Board	24,000								
E28	Shoring Trailer	20,000								
E29	Salt Lane (Public Realm)	300,000								
E30	Curb Bulges / Rain Gardens (Public Realm)	150,000								
E31	203 Street Bridge & Bike Lanes	1,200,000								
E32	196A St: 60 to Fraser (DCC-R017)	645,000								
E33	Operation Centre Generator		175,000							
E34	Traffic Signal Coordination - Fraser Hwy		100,000							
E35	200 & Fraser Intersection (DCC-R005)			396,000						
E36	201A & 56 Intersection (DCC-R008)			396,000						
E37	62 Ave: 200 to Mufford (DCC-R003)					2,700,000				
E38	200 St: Fraser to Logan (DCC-R002)						1,330,000			
E39	Glover & Logan Intersection (DCC-R010)							396,000		
E40	Glover & Bypass Intersection (DCC-R009)							1,056,000		
E41	Ops Centre Building								6,000,000	
E42	200 St: Left Turn Lanes (DCC-R019)								1,880,000	
E43	202 St: Bypass to 62 (DCC-R015)									5,000,000
E44	Grade Cr: 200 to 205 (DCC-R004)									7,500,000
		4,473,200	2,259,200	2,676,200	1,734,200	4,509,200	2,989,200	3,261,200	9,539,200	20,245,400

**Engineering Capital Improvement Plan 2015 - 2023**

Funding Sources	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023
Machinery Replacement Reserve	1,800,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Capital Works Reserve	4,198,730	641,636	450,306	341,871	505,286	373,911	362,586	545,171	413,686	564,277
DCC Roads	1,111,155	22,450	1,940	775		530,100	39,040	1,400	149,000	366,450
DCC Roads Unallocated	15,977,655	561,254	250,114	655,694	252,054	2,057,329	1,129,714	981,769	1,033,654	9,056,073
Major Road Network Rehabilitate	153,980		153,980							
Grants	-									
Borrowing	-									
Casino Proceeds/Taxation Rev/Debt	28,445,480	3,047,860	1,202,860	1,477,860	776,860	1,347,860	1,257,860	1,532,860	7,742,860	10,058,600
	51,687,000	4,473,200	2,259,200	2,676,200	1,734,200	4,509,200	2,989,200	3,261,200	9,539,200	20,245,400

**Department**

Engineering		3,047,860	1,202,860	1,477,860	776,860	1,347,860	1,257,860	1,532,860	7,742,860	10,058,600
General Gov't		500,000	500,000	500,000	-	-	-	-	-	-
Protective Services		-	550,000	-	-	-	-	-	-	-
Development Services		-	-	-	-	-	-	-	-	-
Parks		420,000	735,000	2,790,000	331,000	370,000	360,000	135,000	2,125,000	3,720,000
Sewer		1,200,000	180,000	1,400,000	2,710,000	2,500,000	800,000	200,000	1,000,000	7,200,000
Water		-	500,000	-	-	-	-	1,000,000	500,000	500,000
		5,167,860	3,667,860	6,167,860	3,817,860	4,217,860	2,417,860	2,867,860	11,367,860	21,478,600
Carry(Draw)		-	1,500,000	(1,000,000)	1,350,000	950,000	2,750,000	2,300,000	(6,200,000)	30,200,000
Casino Proceeds Allocation		5,167,860	5,167,860	5,167,860	5,167,860	5,167,860	5,167,860	5,167,860	5,167,860	51,678,600
			1,500,000	500,000	1,850,000	2,800,000	5,550,000	7,850,000	1,650,000	31,850,000

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Engineering Projects</b>				
E1	Equipment Replacement	Replace Unit 202 - 1 Tonne Service Truck	65,000	None.
E2	Road Rehabilitation	Rehabilitate roads pavement to acceptable standards.	500,000	Remedial work to deteriorated roads will extend the life of the roads and will reduce significant road reconstruction costs in the future.
E3	Signal Upgrade 200 ST/Michaud (DCC - R)	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.	240,000	Current maintenance cost to maintain signal cabinets will be reallocated to maintain other aging signal cabinets
E4	Signal Upgrade 200 ST/Grade (DCC - R)	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.	240,000	Current maintenance cost to maintain signal cabinets will be reallocated to maintain other aging signal cabinets
E5	Accessibility Improvements	Construct wheelchair curb letdowns to facilitate access.	10,000	Marginal incremental maintenance costs will be required in future years.
E6	Misc Property Purchase	To provide funding for possible future land acquisition and development	50,000	None.
E7	Traffic Calming (School Zones)	Install traffic calming measures at school zone sites throughout the City.	75,000	None.
E8	200 St - 50 Ave to 56 Ave	Rehabilitation of the 200 St corridor between 50 & 56 Ave. (See joint Sewer & Water projects)	1,162,000	None.
E9	Signal UPS Backups	Install UPS battery backup at interesection controllers to ensure service during power interruptions.	60,000	None.
E10	Streetlight Bases/Poles Eastleigh	Streetlight bases on Eastleigh Cr need replacment as they are not repairable.	140,000	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
E11	Streetlights Fraser Hwy - 206 St to 208 St (Publ	Continue streetlight replacement along corridor as laid out in the Public Realm plan.	150,000	None.
E12	Ornamental Lights -Douglas & 56 Ave (Public	Continue streetlight replacement along corridor as laid out in the Public Realm plan.	200,000	None.
E13	Bike Racks (Public Realm)	Install bike racks in the downtown core.	5,000	None.
E14	Yellow Curbs in Downtown Area	Re-implement painting of yellow curbs in the downtown core.	15,000	Small increase in maintenance costs to maintain paint.
E15	Traffic Lane Marking Thermoplast Program	Replace thermoplast traffic markings at various locations throughout the City.	7,500	None.
E16	LED Lighting Business Case Development	Develop a business case and implementation plan for the upgrade and installation of LED lighting throughout the City.	5,500	None.
E17	City/MOT Highway Directional Signage	Enhance awareness of the City by developing gateway signage at strategic Ministry of Transportation highway locations promoting to visitors the casino, convention centre, shopping, etc.	50,000	None.
E18	Extend Sidewalk on 201 ST	Extend sidewalk to Langley Praire Neighbourhood Park.	20,000	None.
E19	Asphalt Roller & Trailer	Purchase an asphalt roller and trailer to reduce reliance on rental equipment and allow for quicker responses to asphalt patching needs.	30,000	None.
E20	Additional Snow Plow for Fleet	Purchase an additional snow plow attachment for the fleet to allow for greater capacity for clearing snow.	7,700	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
E21	Traffic Pole Replacement	Continued upgrade of traffic poles throughout the City.	75,000	None.
E22	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.
E23	Pedestrian Facilities (DCC-R014)	In future years, includes the procurement of land and construction activities associated with providing sidewalk, off-street multi-use pathways.	171,600	None.
E24	Pedestrian Signal / Audible upgrade	Replace pedestrian audible units	15,000	None.
E25	Transit Support Measures (DCC-R012)	Install concrete bus landing pads at various locations throughout the City	100,000	None.
E26	Bicycle Facilities (DCC-R013)	Includes the procurement of land and construction activities associated with providing bicycle lanes, shared lanes, bicycle storage facilities.	237,600	Current maintenance cost to maintain the bicycle facilities will be reallocated to maintain other deteriorating bicycle facilities.
E27	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.	24,000	Possible reduction in rental costs.
E28	Shoring Trailer	Shoring is currently transported on flatbed truck, trailer would allow greater flexibility.	20,000	Insurance and maintenance costs would have a small effect on ongoing costs.
E29	Salt Lane (Public Realm)	Upgrade Salt Lane to standards consistent with the Public Realm plan.	300,000	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
E30	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.
E31	203 Street Bridge & Bike Lanes	Planning and design costs for replacement of the 203 St bridge.	1,200,000	Current maintenance cost to maintain this bridge will be reallocated to maintain other deteriorating roads.
E32	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.
E33	Operation Centre Generator	Install a back up Operation Centre generator.	175,000	None.
E34	Traffic Signal Coordination - Fraser Hwy	To coordinate the traffic signal timing along Fraser Highway to improve traffic flow.	100,000	None.
E35	200 & Fraser Intersection (DCC-R005)	Reconstruct intersection	396,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.
E36	201A & 56 Intersection (DCC-R008)	Reconstruct intersection	396,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.
E37	62 Ave: 200 to Mufford (DCC-R003)	Reconstruct 62 Ave between 200 Street and Mufford Crescent to arterial road standard.	2,700,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.
E38	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.
E39	Glover & Logan Intersection (DCC-R010)	Reconstruct intersection	396,000	Marginal incremental maintenance costs will be required in future years.
E40	Glover & Bypass Intersection (DCC-R009)	Reconstruct intersection.	1,056,000	Current maintenance cost to maintain this road will be reallocated to maintain other deteriorating roads.
E41	Ops Centre Building	Construct a new Operation Centre Building.	6,000,000	None.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
E42	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.
E43	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.
E44	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 (Tourism) 513	Casino Proceeds	Machine Equip 510	Community Develop	Grants
<b>Development Services Projects</b>										
DS1	Neighbourhood Profile Update	2014	20,000		20,000					
DS2	Zoning Bylaw Legal Review	2014	5,000		5,000					
			25,000	-	25,000	-	-	-	-	-



Development Services Capital Improvement Plan 2015 - 2023

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
DS3	Building Inspector Vehicle		25,000					25,000		
		-	25,000	-	-	-	-	25,000	-	-

Funding Sources		2015	2016	2017	2018	2019	2020	2021	2022	2023
Office Equipment Replacement	-	-	-	-	-	-	-	-	-	-
Capital Works Reserve	-	-	-	-	-	-	-	-	-	-
Parks & Recreation Reserve	-	-	-	-	-	-	-	-	-	-
Machinery Replacement Res	50,000	-	25,000	-	-	-	-	25,000	-	-
Grants	-	-	-	-	-	-	-	-	-	-
Casino Proceeds	-	-	-	-	-	-	-	-	-	-
	50,000	-	25,000	-	-	-	-	25,000	-	-

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Development Services Projects</b>				
DS1	Neighbourhood Profile Update	Update, print and deliver the neighbourhood profiles.	20,000	None.
DS2	Zoning Bylaw Legal Review	Update and legal review of the Zoning Bylaw.	5,000	None.
DS3	Building Inspector Vehicle	Replace unit 219 - Smart Car & Unit 252 - Nissan Versa	25,000	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Description	Year	Budget Amount	DCC			Parks & Recreation 210	Capital Works 200	Machine Replace 207	Off		Grant	Surplus
				DCC Parks Interest 202-890	DCC Parks Unallocated 202-899	DCC Parks on Hand 202-800				Street Parking 208	Casino Proceed		
<b>Parks &amp; Recreation Projects</b>													
P1	Equipment Replacement	2014	186,000					186,000					
P2	Municipal Athletic Park	2014	100,000							100,000			
P3	Timm's Fitness Equipment	2014	10,000				10,000						
P4	Timms Community Centre	2014	14,300,000					2,995,000		150,000	11,005,000		150,000
P5	Parks Operations Building Upgrade	2014	100,000					100,000					
P6	Trail Expansion & Upgrades	2014	80,000		39,600						40,400		
P7	Dog Off-Leash Parking Lot Paving	2014	55,000								55,000		
P8	Rotary Centennial Playground Expansion	2014	25,000				25,000						
P9	Planning for Penzer & Buckley Parks	2014	30,000				30,000						
P10	Penzer Bike Park Renovation	2014	55,000				55,000						
P11	Dumais Park Upgrades	2014	20,000				20,000						
P12	City Park Baseball Caleb Cooke Drainage	2014	70,000		34,650			35,350					
P13	Douglas Park Tennis Court Resurface	2014	35,000								35,000		
P14	Douglas Park Sports Box Refurbish	2014	90,000								90,000		
P15	Douglas Playground Replace Rubber Tiles	2014	40,000								40,000		
P16	Sendall Gardens Pathway Repairs	2014	5,000				5,000						
P17	Additional Dog Off-Leash Park	2014	25,000										25,000
P18	Additional Community Garden	2014	30,000										30,000
P19	Sendall Gardens Pond	2014	65,000								65,000		
P20	Buckley Park Field Lights	2014	30,000										30,000
P21	BC Senior Games	2014	12,000										12,000
P22	AAMP Program supplies	2014	5,500				5,500						
P23	AAMP Flooring replacement in foyer, hallwa	2014	18,200				18,200						
P24	AAMP Replace sand and baffles as needed in	2014	6,500				6,500						
P25	AAMP Automatic Door on front entrance of 1	2014	3,000				3,000						
P26	AAMP Gutter replacement on pool deck.	2014	11,000				11,000						
P27	AAMP Pressure Washer	2014	1,800				1,800						
P28	DRC mounted projector and screen in MPR a	2014	9,000				9,000						
P29	DRC 3 HVAC units	2014	21,000				21,000						
P30	Event kit supplies for special events.	2014	3,500				3,500						
P31	Environmental Stewardship (LEPS)	2014	50,000										50,000
			15,492,500	-	74,250	-	224,500	3,130,350	186,000	150,000	11,430,400	-	297,000

**Parks & Recreation Capital Improvement Plan 2015 - 2023**

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	Timm's Fitness Equipment	200,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
P6	Trail System Expansion (DCC-P018)	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	250,000
P32	DRC Equipment	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
P33	Al Anderson Pool Equipment	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
P34	Banner Replacement	8,000		8,000		8,000		8,000		8,000
P35	DRC - Main Hall Floor	45,000								
P36	Replace Ash trees on Fraser One Way	100,000								
P37	Wayfinding, Regulatory and Interpretive Signs	20,000		10,000			10,000			10,000
P38	Nicomekl Floodplain - trees, nature interpretation	20,000		20,000						20,000
P39	Public Art	20,000		20,000		20,000			20,000	
P40	Douglas Park - Planning	10,000								
P41	City Park - Planning	30,000								
P42	School Site Upgrading		30,000				30,000			
P43	Trail Infrastructure		25,000		25,000		25,000		25,000	
P44	Neighbourhood Park Upgrades		20,000		20,000		20,000		20,000	
P45	Open Space Upgrades - Innes Corners, McBurney Plaza, BC Hydr		5,000			5,000			5,000	
P46	Douglas Park - Youth Area, Bike Park		100,000							
P47	Hunter Park - Playground (DCC-P008)		30,000							
P48	Nicholas Park - Washroom (DCC-P011)		70,000							
P49	Penzer Park - Play, Youth Areas		100,000							
P50	Penzer Park - Sports Field (DCC-P013)		500,000							
P51	Dumais Park - Washroom (DCC-P020)		70,000							
P52	Portage Park Planning		10,000							
P53	Portage Park Upgrades - Dog, Picnic Area			50,000						
P54	Portage Park - Trails (DCC-P014)			65,000						
P55	Douglas Park - Play, Exercise Equipment			100,000						
P56	Buckley Park - Fields, Trails & Play (DCC-P003)			450,000						
P57	City Park - Artificial Turf Field			2,000,000						
P58	City Park - Field, Riparian, Play, Drainage (DCC-P004)			400,000						1,000,000
P59	Rotary Centennial - Planning			10,000						
P60	Rotary Centennial - Sports Field (DCC-P017)				450,000					
P61	Linda Carlson Park - Interpretive Signage, Trails (DCC-P019)				10,000					
P62	Volunteer Support Software				10,000					

**Parks & Recreation Capital Improvement Plan 2015 - 2023**

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
P63	Brydon Lagoon - Pond Remediation				250,000					
P64	Linwood Park - Planning				10,000					
P65	Michaud House - Washroom					40,000				
P66	Linwood Park - Paths, Community gardens					100,000				
P67	Linwood Park - Play, Picnic Areas					100,000				
P68	Linwood Park - Sports Field					100,000				
P69	Brydon Park - Planning					10,000				
P70	DRC - Room Divider						20,000			
P71	Brydon Park - Paths & Nature Interpretation						50,000		100,000	
P72	Portage Park Upgrades - Sport Court						150,000			
P73	Sendall Gardens - Planning						50,000			
P74	Conder Park - Planning						10,000			
P75	Conder Park - Upgrades, Riparian, Viewing Platform (DCC-P005)							265,000		
P76	Brydon Park - Field Upgrade								100,000	
P77	Rotary Centennial - Paths, Community Gardens								75,000	
P78	Brydon Park - Playground (DCC-P002)								100,000	
P79	Douglas Park - Trees & Paths (DCC-P006)								75,000	
P80	Hydro ROW Greenway - Paved Trails, Community Gardens (DCC-P007)								1,400,000	
P81	Linwood Park - Trees, Pathway, Drainage (DCC-P010)								50,000	
P82	Sendall Gardens - Building Area (DCC-P015)								1,000,000	
P83	DRC - Renovate Second Flr									30,000
P84	Douglas Park - Lawn Bowling Green and Clubhouse									1,000,000
P85	Brydon Park - Land Acquisition (DCC-P001)									2,500,000
P86	Nicomekl Park - Trails, Interpretive Signage, Viewing Platform (DCC-P012)									800,000
P87	Parkland Acquisition (DCC-P016)									3,000,000
		735,015	1,252,016	3,425,017	1,067,018	675,019	657,020	565,021	3,262,022	8,830,023

**Parks & Recreation Capital Improvement Plan 2015 - 2023**

Funding Sources	2015	2016	2017	2018	2019	2020	2021	2022	2023
DCC Parks Interest									
DCC Parks Unallocated	39,600	315,590	241,695	457,440	39,600	39,600	170,775	692,710	3,310,510
DCC Parks on Hand		55,660	52,830	7,860				185,915	1,045,490
Parks and Recreation Reserve	195,415	65,766	260,492	190,718	185,419	177,420	179,246	178,397	174,023
Future Major Parks and Rec									
Machinery Replacement Reserve	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Grants									500,000
Casino Use Proceeds	420,000	735,000	2,790,000	331,000	370,000	360,000	135,000	2,125,000	3,720,000
Borrowing									
	735,015	1,252,016	3,425,017	1,067,018	675,019	657,020	565,021	3,262,022	8,830,023

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Parks &amp; Recreation Projects</b>				
P1	Equipment Replacement	Replace Unit #173 3/4 Pickup Truck, #195 1 Ton Pickup Truck, #174 Utility Gator, #188 Utility Tractor	186,000	None.
P2	Municipal Athletic Park	Annual contribution to Township of Langley for development of this park.	100,000	None.
P3	Timm's Fitness Equipment	Abdominal trainer and Smith Machine (for gluts and quads) for weight room; equipment; tables and chairs for games room.	10,000	Minor increase in contracted services for regular maintenance and upkeep.
P4	Timms Community Centre	Design and build the community facility.	14,300,000	Additional equipment and staffing will be needed in out years.
P5	Parks Operations Building Upgrade	Upgrade new parks operations centre.	100,000	None.
P6	Trail Expansion & Upgrades	Expand trail system to provide more connectivity; design and build strategically located infrastructure to support trail system.	80,000	Expanded trails will result in increased maintenance costs.
P7	Dog Off-Leash Parking Lot Paving	Pave the Dog - off leash parking lot	55,000	Will reduce maintenance to level gravel parking lot.
P8	Rotary Centennial Playground Expansion	Expand the fenced off area including one piece of play equipment to help reduce the vandalism due to current configuration.	25,000	Hope to see reduction in vandalism.
P9	Planning for Penzer & Buckley Parks	Conduct a planning process with community input for parks that need a moderate level of upgrade.	30,000	None.
P10	Penzer Bike Park Renovation	Upgrade the bike park jumps	55,000	Should reduce maintenance costs - TBD.
P11	Dumais Park Upgrades	Conduct minor upgrades to park with community input and consultation.	20,000	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P12	City Park Baseball Caleb Cooke Drainage	Improve drainage in infield, dugouts and relevel infield.	70,000	None.
P13	Douglas Park Tennis Court Resurface	Eliminate roots and resurface the tennis courts.	35,000	None.
P14	Douglas Park Sports Box Refurbish	replace boards and resurface the sports box.	90,000	Could reduce maintenance costs.
P15	Douglas Playground Replace Rubber Tiles	Remove and replace the rubber tiles under the Kaboom playground equipment.	40,000	None.
P16	Sendall Gardens Pathway Repairs	Repairs to the perimeter stamped asphalt walking path.	5,000	None.
P17	Additional Dog Off-Leash Park	Small Dog Off-leash park north of the Nicomekl	25,000	Additional operating dollars for maintenance will be required.
P18	Additional Community Garden	Community Garden in the Linwood area	30,000	Additional operating dollars for maintenance will be required.
P19	Sendall Gardens Pond	Upgrades as outlined in the pond study.	65,000	None.
P20	Buckley Park Field Lights	Upgrade to LED lighting	30,000	Should some cost savings from reduced electrical consumption
P21	BC Senior Games	City of Langley proportionate share of funding for the Langley 2014 BC Seniors Games.	12,000	None.
P22	AAMP Program supplies	Purchase of program supplies such as PFDs, Flippers, Tot Slide	5,500	None.
P23	AAMP Flooring replacement in foyer, hallway and MPR	Remove and replace the flooring the lobby and hallway as well as multipurpose room	18,200	None.
P24	AAMP Replace sand and baffles as needed in the sand filter	Remove and replace the sand in the filter as well as baffle replacement as required.	6,500	None.
P25	AAMP Automatic Door on front entrance of pool lobby	Provide an accessible, automatic door access to the main lobby of the pool building	3,000	None.



CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P26	AAMP Gutter replacement on pool deck.	Replacement of the slatted gutter grates around the perimeter of the pool.	11,000	None.
P27	AAMP Pressure Washer	Purchase of a pressure washer to be used in the maintenance of the pool and facility.	1,800	None.
P28	DRC mounted projector and screen in MPR and Games	Purchase and installation of ceiling mounter projectors and screens in both the multipurpose room and games room at Douglas Recreation Centre.	9,000	None.
P29	DRC 3 HVAC units	Remove and replace the 3 - 17 year old HVAC units	21,000	None.
P30	Event kit supplies for special events.	Purchase of supplies for special events programming.	3,500	None.
P31	Environmental Stewardship (LEPS)	Work with LEPS to develop an environmental stewardship and rehab program in the City	50,000	None.
P32	DRC Equipment	Anticipated equipment replacement in the out years.	10,000	None.
P33	Al Anderson Pool Equipment	Anticipated equipment replacement in the out years.	10,000	None.
P34	Banner Replacement	Replace banners on a scheduled cyclical plan	8,000	None.
P35	DRC - Main Hall Floor	Replace the existing flooring at DRC with a Pulastic Synthetic Sports floor which is multifunctional for sports and programs.	45,000	None.
P36	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.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P37	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.	20,000	None.
P38	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.
P39	Public Art	Incorporate public art along the trail system, potentially as part of the way-finding system.	20,000	None.
P40	Douglas Park - Planning	Conduct a planning process with community input for parks that need a moderate level of upgrade.	10,000	None.
P41	City Park - Planning	Conduct a comprehensive Park master plan for City Park including a full community communications and engagement process.	30,000	None.
P42	School Site Upgrading	Upgrade play areas at school sites through a joint use agreement where applicable where there is community benefit	30,000	None.
P43	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.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P44	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.
P45	Open Space Upgrades - Innes Corners, McBur	Conduct moderate upgrades to open space.	5,000	None.
P46	Douglas Park - Youth Area, Bike Park	Conduct moderate upgrades to the park as outlined in the planning process.	100,000	Additional operating dollars for maintenance will be required.
P47	Hunter Park - Playground (DCC-P008)	Make improvements anticipated in the DCC bylaw including replacing the play structure.	30,000	None.
P48	Nicholas Park - Washroom (DCC-P011)	Construct a washroom facility in the park.	70,000	Maintenance costs to clean and maintain facility.
P49	Penzer Park - Play, Youth Areas	Conduct moderate upgrades to play and youth areas.	100,000	Additional operating dollars for maintenance will be required.
P50	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.
P51	Dumais Park - Washroom (DCC-P020)	Construct a washroom facility in the park.	70,000	Maintenance costs to clean and maintain facility.
P52	Portage Park Planning	Conduct planning process with community input for parks that need a moderate level of upgrade.	10,000	None.
P53	Portage Park Upgrades - Dog, Picnic Area	Conduct upgrades as outlined in the planning process	50,000	Additional operating dollars for maintenance will be required.
P54	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.
P55	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.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P56	Buckley Park - Fields, Trails & Play (DCC-P00)	Make improvements anticipated in the DCC bylaw including construction of a soccer field.	450,000	Additional operating dollars for maintenance will be required.
P57	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.
P58	City Park - Field, Riparian, Play, Drainage (DC	Make improvements anticipated in the DCC bylaw	400,000	None.
P59	Rotary Centennial - Planning	Conduct a planning process with community input for parks that need a moderate level of upgrade.	10,000	None.
P60	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.
P61	Linda Carlson Park - Interpretive Signage, T1	Make improvements anticipated in the DCC bylaw including replacing the play structure.	10,000	Additional operating dollars for maintenance will be required.
P62	Volunteer Support Software	Purchase of volunteer support software to help coordination, reporting and measurement related to the volunteer program.	10,000	None.
P63	Brydon Lagoon - Pond Remediation	Make improvements to Brydoon lagoon as outlined in the pond study.	250,000	None.
P64	Linwood Park - Planning	Conduct a planning process with community input for parks that need a moderate level of upgrade.	10,000	None.
P65	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.
P66	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.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P67	Linwood Park - Play, Picnic Areas	Conduct moderate level of upgrades to the park as outlined in the planning process	100,000	None.
P68	Linwood Park - Sports Field	Improve existing fields.	100,000	None.
P69	Brydon Park - Planning	Conduct a planning process with community input for Brydon that needs a moderate level of upgrade.	10,000	None.
P70	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.
P71	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.
P72	Portage Park Upgrades - Sport Court	Conduct upgrades as outlined in the planning process	150,000	Additional operating dollars for maintenance will be required.
P73	Sendall Gardens - Planning	Conduct a comprehensive Park Master Plan for Sendall Gardens, including a full community communications and engagement process.	50,000	None.
P74	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.
P75	Conder Park - Upgrades, Riparian, Viewing P	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
P76	Brydon Park - Field Upgrade	Improve existing fields - drainage and irrigation etc.	100,000	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
P77	Rotary Centennial - Paths, Community Garden	Conduct upgrades as outlined in the planning process	75,000	Operating and maintenance costs will increase with the additional facility
P78	Brydon Park - Playground (DCC-P002)	Make improvements anticipated in the DCC bylaw.	100,000	Operating and maintenance costs will increase with the additional facility
P79	Douglas Park - Trees & Paths (DCC-P006)	Make improvements anticipated in the DCC bylaw.	75,000	None.
P80	Hydro ROW Greenway - Paved Trails, Comm	Make improvements anticipated in the DCC bylaw.	1,400,000	Operating and maintenance costs will increase with the additional facility
P81	Linwood Park - Trees, Pathway, Drainage (DC	Make improvements anticipated in the DCC bylaw.	50,000	None.
P82	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
P83	DRC - Renovate Second Flr	Renovate 2nd Floor of DRC for additional use	30,000	Operating and maintenance costs will increase with the additional facility
P84	Douglas Park - Lawn Bowling Green and Club	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
P85	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
P86	Nicomekl Park - Trails, Interpretive Signage, \	Make improvements anticipated in the DCC bylaw	800,000	Operating and maintenance costs will increase with the additional facility
P87	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 Unallocate d 204	DCC Drainage 201	DCC Drainage Unallocated 201	Casino Proceeds	Grant
<b>Sewer &amp; Drainage Utility Projects</b>										
S1	Culvert Cleaning & Inspection	2014	100,000	100,000						
S2	200 St: 50 to 56 (Storm & Sanitary)	2014	1,200,000	410,230		752,400		37,370		
S3	Culvert Replacement Grade Cr	2014	100,000	100,000						
S4	Brydon Lagoon outlet structure replacement	2014	67,500						67,500	
S5	Seniors Resource Pond Design & Tender	2014	25,000	25,000						
			1,492,500	635,230	-	752,400	-	37,370	67,500	-

**Sewer & Drainage Utility Capital Improvement Plan 2015 - 2023**

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
S6	Various Locations (DCC-S020)		100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,300,000
S7	201A St: 54 to Michaud (DCC-S012)	315,000								
S8	196A St: 60 to Fraser (DCC-D016)		425,000							
S9	203 St: Grade to Nicomekl Sanitary (DCC-S005)	1,683,000								
S10	202 St: Bypass to 62 (DCC-D014)	430,000								
S11	Douglas Cr: 204 to 207 (DCC-D004)	501,095								
S12	62 Ave: 200 to Mufford (DCC-D009)				1,900,000					
S13	Duncan Way Lift Station (DCC-S023)		223,500							
S14	Fraser Hwy: 196 to Bypass (DCC-D015)			2,400,000						
S15	Landmark Way: Fraser to 196 (DCC-D001)			715,000						
S16	199 St: 56 to 57A (DCC-S010)				540,000					
S17	208 St: 52 to 56 (DCC-S009)				710,000					
S18	49 Ave: 196 to 200 (DCC-S013)				1,100,000					
S19	Leachate Pump Station (DCC-S021)				223,500					
S20	Duncan Way: Bypass to 206 (DCC-S016)					1,550,000				
S21	Michaud Crescent: 200 to 203 (DCC- S002)					977,000				
S22	Old Yale Lift Station (DCC-S024)					223,500				
S23	Production Way: 198 to 57A (DCC-S004)					855,000				
S24	206 St: Douglas to 53A (DCC-D006)					160,000				
S25	206 St: Douglas to MV Main (DCC-S015)						1,850,000			
S26	56 Ave: 201 to 203 (DCC-S011)							1,251,985		
S27	Eastleigh Cr: Glover to 56 (DCC-S003)								1,152,000	
S28	Langley Bypass Lift Station (DCC-S022)								223,500	
S29	Logan Ave/Lane s of Logan (DCC-S001)								712,000	
S30	203 St: Fraser to Nicomekl Outfall (DCC-D003)									4,600,000
S31	198 St: 54 to 55A (DCC-S019)									471,180
S32	200 St: Logan to 57A (DCC- S017)									1,090,440
S33	200 St: Fraser to Logan (DCC-D008)									595,125
S34	205 St: 54 to Nicomekl Outfall (DCC-D005)									254,285
S35	205A St: 50 to 51 (DCC-S018)									500,795
S36	57A Ave: 198 to 200 (DCC-D002)									329,075
S37	Grade Cr: 196 to 200 (DCC-D011)									1,904,400
S38	Grade Cr: 200 to 205 (DCC-D012)									3,100,000
S39	Hydro ROW (Adjacent): 200 to MV Main (DCC-S014)									989,470
S40	Industrial Ave: 201 to 203 (DCC-S006)									713,500
		2,929,095	748,500	3,215,000	4,573,500	3,865,500	1,950,000	1,351,985	2,187,500	15,848,270



**Sewer & Drainage Utility Capital Improvement Plan 2015 - 2023**

<b>Funding Sources</b>		<b>2015</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>
Sewer Future Capital	1,953,985	230,725	228,560	198,825	222,250	218,555	224,250	240,235	212,575	178,010
Capital Works Reserve	-									
DCC Sewer	98,690	2,510	26,170		3,600	30,060			36,350	
DCC Sewer Unallocated	9,880,795	1,035,510	103,395	74,250	1,127,150	1,037,685	925,750	911,750	938,575	3,726,730
DCC Drainage	803,330	15,340			150,070	30,960				606,960
DCC Drainage Unallocated	6,742,550	445,010	210,375	1,541,925	360,430	48,240				4,136,570
Casino Revenues	17,190,000	1,200,000	180,000	1,400,000	2,710,000	2,500,000	800,000	200,000	1,000,000	7,200,000
Grants	-									
Borrowing	-								-	-
	<b>36,669,350</b>	<b>2,929,095</b>	<b>748,500</b>	<b>3,215,000</b>	<b>4,573,500</b>	<b>3,865,500</b>	<b>1,950,000</b>	<b>1,351,985</b>	<b>2,187,500</b>	<b>15,848,270</b>

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
<b>Sewer &amp; Drainage Utility Projects</b>				
S1	Culvert Cleaning & Inspection	The City has a large number of culverts that form a key component of the drainage system. These culverts require inspection and cleaning.	100,000	None.
S2	200 St: 50 to 56 (Storm & Sanitary)	Rehabilitation of the 200 St corridor sewerage and drainage between 50 & 56 Ave. (See joint Road & Water projects)	1,200,000	None.
S3	Culvert Replacement Grade Cr	Culvert has failed beneath Grade Crescent and needs repair.	100,000	None.
S4	Brydon Lagoon outlet structure replacement	Replace outlet structure at brydon lagoon to improve flow.	67,500	None.
S5	Seniors Resource Pond Design & Tender	Preparation of design and tender for the remediation of the Seniors Resource Pond.	25,000	None.
S6	Various Locations (DCC-S020)	Make small upgrade to the sewer system in various locations.	2,000,000	Operating and maintenance costs will reduce with repairs of identified defects in the sewer system.
S7	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.
S8	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.
S9	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.
S10	202 St: Bypass to 62 (DCC-D014)	To install a storm sewer system to provide local drainage for the residents.	430,000	Reduce on-going maintenance costs.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
S11	Douglas Cr: 204 to 207 (DCC-D004)	To install a storm sewer system to provide local drainage for the residents.	501,095	Reduce on-going maintenance costs.
S12	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.
S13	Duncan Way Lift Station (DCC-S023)	To upgrade the sewer pump station.	223,500	Reduce on-going maintenance costs.
S14	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.
S15	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.
S16	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.
S17	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.
S18	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.
S19	Leachate Pump Station (DCC-S021)	To upgrade the sewer to provide local sewerage for the residents.	223,500	Reduce on-going maintenance costs.
S20	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.
S21	Michaud Crescent: 200 to 203 (DCC- S002)	To upgrade the sewer to provide local sewerage for the residents.	977,000	Reduce on-going maintenance costs.
S22	Old Yale Lift Station (DCC-S024)	To upgrade the sewer pump station.	223,500	Reduce on-going maintenance costs.
S23	Production Way: 198 to 57A (DCC-S004)	To upgrade the sewer to provide local sewerage for the residents.	855,000	Reduce on-going maintenance costs.
S24	206 St: Douglas to 53A (DCC-D006)	To upgrade the storm sewer to provide local drainage for the residents.	160,000	Reduce on-going maintenance costs.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
S25	206 St: Douglas to MV Main (DCC-S015)	To upgrade the sewer to provide local sewerage for the residents.	1,850,000	Reduce on-going maintenance costs.
S26	56 Ave: 201 to 203 (DCC-S011)	To upgrade the sewer to provide local sewerage for the residents.	1,251,985	Reduce on-going maintenance costs.
S27	Eastleigh Cr: Glover to 56 (DCC-S003)	To upgrade the sewer to provide local sewerage for the residents.	1,152,000	Reduce on-going maintenance costs.
S28	Langley Bypass Lift Station (DCC-S022)	To upgrade the sewer pump station.	223,500	Reduce on-going maintenance costs.
S29	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.
S30	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.
S31	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.
S32	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.
S33	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.
S34	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.
S35	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.
S36	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.
S37	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.
S38	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.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
S39	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.
S40	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	2014	50,000	50,000					
W2	Eliminate Pipe Twinning	2014	200,000	200,000					
W3	200 St: 50 to 56 (DCC-W024)	2014	1,300,000	334,750		965,250			
W4	Replace Single Reservoir Pump	2014	20,000	20,000					
W5	209 St: 48 to Newlands	2014	225,000	225,000					
W6	Water valves to improve isolation	2014	150,000	150,000					
W7	203 St: Grade to 49 (DCC-W003)	2014	430,000	175,725		254,275			
W8	Bypass transfer Switch Reservoir UPS	2014	2,500	2,500					
			2,377,500	1,157,975	-	1,219,525	-	-	-

**Water Utility Capital Improvement Plan 2015 - 2023**

Item	Description	2015	2016	2017	2018	2019	2020	2021	2022	2023
W1	Water Meter Replacement Program	50,000	45,000	25,000	25,000	50,000	25,000	25,000	25,000	
W2	Eliminate Pipe Twinning	200,000	200,000							
W9	Salt Ln: Fraser to 56 (DCC-W002)	66,955								
W10	Air Valve Reservoir Feed	30,000								
W11	Langley Byp: 20700 Block (DCC-W012)		100,000							
W12	205A St: S of Duncan Way (DCC-W014)		156,450							
W13	AC Pipe Replacement		500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
W14	196 St: 46A to Boundary (DCC-W006)			324,165						
W15	Fraser Hwy: 19800 Block (DCC-W008)			27,865						
W16	Fraser Hwy: 20400 Block (DCC-W015)			79,030						
W17	Fraser Hwy: Bypass to Landmark (DCC-W009)			197,665						
W18	50 Ave: 20500 Block (DCC-W016)				138,415					
W19	62 Ave: 201A to 203 (DCC-W004)				651,370					
W20	62 Ave: 203 to Bypass (DCC-W011)				126,835					
W21	56 Ave: 20900 Block (DCC-W007)					111,455				
W22	198 St: S of 53 (DCC-W023)						61,465			
W23	199 St: S of 45A (DCC-W019)						61,465			
W24	199A St: S of 45A (DCC-W018)						61,465			
W25	200 St(Pipe Twin): 56 to Fraser (DCC-W025)							1,361,115		
W26	200A St: 48 to Reservoir (DCC-W001)								453,965	
W27	201 St: 50A (DCC-W017)								45,895	
W28	203A St: S of 46 (DCC-W020)								146,615	
W29	206A St: S of Duncan Way (DCC-W013)									135,775
W30	44 Ave: 204 to 206 (DCC-W005)									524,665
W31	48 Ave: 209 to 210 (DCC-W021)									112,645
		346,955	1,001,450	1,153,725	1,441,620	661,455	709,395	1,886,115	1,171,475	1,273,085

**Water Utility Capital Improvement Plan 2015 - 2023**

Funding Sources	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Water Future Capital	4,438,408	297,241	311,036	786,897	811,030	578,700	572,482	480,487	401,467	199,069
DCC Water	550,810		74,250		476,560					
DCC Water Unallocated	2,156,057	49,714	116,164	366,828	154,030	82,755	136,913	405,628	270,008	574,016
Capital Works Reserve	-									
Casino Proceeds	2,500,000	-	500,000	-	-	-	-	1,000,000	500,000	500,000
Borrowing	-									
	9,645,275	346,955	1,001,450	1,153,725	1,441,620	661,455	709,395	1,886,115	1,171,475	1,273,085



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	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.
W3	200 St: 50 to 56 (DCC-W024)	Rehabilitation of the 200 St corridor water infrastructure between 50 & 56 Ave. (See joint Road & Sewer projects)	1,300,000	None.
W4	Replace Single Reservoir Pump	Replace a single pump at the water reservoir.	20,000	None.
W5	209 St: 48 to Newlands	Upsizing of existing 1 inch service to 6 inch service.	225,000	None.
W6	Water valves to improve isolation	To ensure areas are able to be isolated for repairs & maintenance, additional valves will be installed.	150,000	None.
W7	203 St: Grade to 49 (DCC-W003)	Replace existing water main on 203 Street between Grade Crescent and 49A Ave to enhance water pressure fire flow.	430,000	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W8	Bypass transfer Switch Reservoir UPS	Battery backup for transfer switch at the water reservoir in case of power failure.	2,500	None.
W9	Salt Ln: Fraser to 56 (DCC-W002)	Upgrade of water service for Salt Lane to larger capacity.	66,955	None.

CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
W10	Air Valve Reservoir Feed	Replace air valve on the reservoir feed.	30,000	Operating and maintenance costs will reduce with repairs of identified defects in the water system.
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	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.
W13	AC Pipe Replacement	Replacement of existing Asbestos Concrete pipes due to age.	500,000	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W14	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.
W15	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.
W16	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.
W17	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.
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.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
W19	62 Ave: 201A to 203 (DCC-W004)	Replace existing water main on 62 Ave to enhance water pressure and fire flow.	651,370	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W20	62 Ave: 203 to Bypass (DCC-W011)	Replace existing water main on 62 Ave to enhance water pressure and fire flow.	126,835	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W21	56 Ave: 20900 Block (DCC-W007)	Replace existing water main on 56 Ave, 20900 Block to enhance water pressure and fire flow.	111,455	Reduce on-going maintenance cost as well as repair cost associated with potential broken water main.
W22	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.
W23	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.
W24	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.
W25	200 St(Pipe Twin): 56 to Fraser (DCC-W025)	Twin existing water main on 200 St, 56 Ave to Fraser Hwy to enhance water pressure and fire flow.	1,361,115	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	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.

## CAPITAL IMPROVEMENT PLAN - PROJECT DETAILS

Item	Project Name	Description	Budget Amount	Financial Plan Impacts
W29	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.
W30	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.
W31	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.

CITY OF LANGLEY

CAPITAL IMPROVEMENT PLAN - RESERVE FORECAST

	Estimated	Reserve Additions			Reserve Expenditures	Balance Dec 31, 2014
	Balance Dec 31, 2013	Amount	Source	Interest Addition		
<b>Statutory Reserves</b>						
Capital Works Reserve	3,518,015	507,500	General Revenues	70,360	3,403,020	692,855
Equipment Replace Fire Dept	1,281,142	55,000	General Revenues	25,623	-	1,361,765
Lane Development	241,643	-		4,833	-	246,476
Machinery Replacement	741,182	250,000	General Revenues	14,824	288,700	717,306
Off Street Parking	301,256	41,240	General Revenues	6,025	150,000	198,521
Office Equipment	4,419	46,500	General Revenues	88	43,650	7,357
Parks & Recreation	67,938	177,500	General Revenues	1,359	224,500	22,297
	6,155,595	1,077,740	-	123,112	4,109,870	3,246,577
<b>Reserve Accounts</b>						
Gaming Proceeds	7,428,788	5,167,860	Gaming	101,080	12,672,900	24,828
Future Police Cost	1,807,730	-		36,155	891,635	952,250
Major Road Network Rehab	1,048,240	64,105	GVTA Funding	20,965	1,109,450	23,860
Sewer Future Capital	419,700	221,700	Sewer Revenues	8,394	635,230	14,564
Special Bond Reserve	3,346,690	-		66,934	-	3,413,624
Tax Rate Stabilization	265,926	-		5,319	-	271,245
Water Future Capital	972,854	500,000	Water Revenues	19,457	1,157,975	334,336
	15,289,928	5,953,665	-	258,303	16,467,190	5,034,706
<b>DCC Accounts</b>						
DCC Drainage	2,251,042	190,000	Developer Contributions	45,021	37,370	2,448,693
DCC Parks	4,773,388	72,500	Developer Contributions	95,468	74,250	4,867,106
DCC Roads	1,371,086	560,000	Developer Contributions	27,422	501,950	1,456,558
DCC Sewer	938,219	462,500	Developer Contributions	18,764	752,400	667,083
DCC Water	1,720,167	135,000	Developer Contributions	34,403	1,219,525	670,045
	11,053,902	1,420,000	-	221,078	2,585,495	10,109,485
Total all Reserves	32,499,425	8,451,405	-	602,493	23,162,555	18,390,768