

General Fund - Draft 2017 - 2021 Project Plan (includes Facilities)

Summary by Plan

For Discussion Purposes Only - November 16th Finance and Audit Committee Meeting

	2017	2018	2019	2020	2021	Total
Supporting Document						
Asset Management Plans:						
Asset Renewal Plan (ARP)	10,244,493	15,201,075	8,991,808	9,100,696	7,689,300	51,227,372
Beaufort Utility Upgrades Storm Drainage Study	35,000	-	350,000	-	-	385,000
Dam Safety Regulations	46,000	47,150	48,300	49,450	50,600	241,500
DCC Bylaws - Current (DCC)	3,733,000	100,000	3,450,000	1,000,000	6,150,000	14,433,000
DCC Bylaws - Proposed (FDCC)	50,000	100,000	500,000	100,000	-	750,000
Harewood Centennial Park Improvement Plan	2,600,710	-	-	-	10,081	2,610,791
IT Security Review - 2016	19,040	59,940	-	-	-	78,980
Northfield Creek Master Drainage Plan	-	-	100,000	-	1,000,000	1,100,000
Parks & Recreation Security Review - 2016	70,900	-	-	-	-	70,900
Seventh St Sub Catchment Area Sanitary Sewer Study - 2011	-	-	-	-	32,000	32,000
Trail Implementation Plan	-	32,575	100,000	100,000	100,000	332,575
Transportation Master Plan (TMP)	1,177,240	799,300	1,601,000	1,325,450	3,093,900	7,996,890
Council's Strategic Plan Update 2016-2019:						
Projects:						
Waterfront Walkway	125,000	1,250,000	-	-	-	1,375,000
Port Drive/South Downtown Waterfront	300,000	6,000,000	-	-	-	6,300,000
Georgia Avenue Greenway	90,000	900,000	-	-	-	990,000
Initiatives:						
Poverty Reduction/Affordable Housing	365,000	165,000	165,000	165,000	165,000	1,025,000
Property Acquisitions	600,000	600,000	600,000	600,000	600,000	3,000,000
Strategic/Organization Plans:						
BC Fire Safety ACT/BC Building Code	6,000	-	-	-	-	6,000
Business Cases	670,429	383,250	-	-	-	1,053,679
Colliery Dam Park Improvement Process and Action Plan - 2016	192,627	33,300	-	-	-	225,927
Community Plan for Public Art - 2010	100,000	100,000	100,000	100,000	100,000	500,000
Core Review	206,500	120,000	-	-	-	326,500
Council Directive	546,725	7,500	7,500	7,500	7,500	576,725
Culture Plan for a Creative Nanaimo 2014 - 2020 (Culture Plan)	30,000	6,900,000	-	-	-	6,930,000
Heritage Conservation Program	50,000	-	-	-	-	50,000
Myra Review - 2016	67,920	-	-	-	-	67,920
Official Community Plan (OCP)	342,650	270,000	265,000	165,000	165,000	1,207,650
OH & S Recommendation	6,000	-	-	-	-	6,000
Property Management Strategy (PMS)	425,040	-	-	-	-	425,040
Sustainability Project	390,487	41,500	42,300	-	-	474,287
Total - Projects From Plans	22,490,761	33,110,590	16,320,908	12,713,096	19,163,381	103,798,736
Total - Other Projects	542,184	466,220	155,000	155,000	294,000	1,612,404
Total - All Projects	23,032,945	33,576,810	16,475,908	12,868,096	19,457,381	105,411,140

Note: A project may support more than one plan, classification is based on major plan supported. Additional plans are listed on individual project pages

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Summary by Major Category and Funding

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	2017	2018	2019	2020	2021	Total
PROJECTS						
Strategic	2,095,190	1,374,000	1,155,000	1,055,000	1,194,000	6,873,190
Equipment & Vehicle Program	3,368,731	2,916,273	2,592,517	3,197,266	2,519,676	14,594,463
Facilities Infrastructure & Amenities Program	4,509,380	11,818,438	1,962,191	906,480	748,598	19,945,087
Information Technology Infrastructure Program	560,769	606,940	79,400	388,150	696,950	2,332,209
Parking Infrastructure Program	462,745	287,000	575,000	605,000	575,000	2,504,745
Parks Infrastructure Program	2,098,242	1,849,725	397,300	429,450	491,057	5,265,774
Drainage Infrastructure Program	2,218,948	2,340,500	3,158,000	2,455,000	2,359,000	12,531,448
Transportation Infrastructure Program	7,718,940	12,383,934	6,556,500	3,831,750	10,873,100	41,364,224
Total Projects	23,032,945	33,576,810	16,475,908	12,868,096	19,457,381	105,411,140
FUNDING SOURCES						
Drainage DCCs	20,000	50,000	225,000	500,000	250,000	1,045,000
Parks DCCs	100,000	100,000	100,000	100,000	100,000	500,000
Roads DCCs	3,031,270	-	2,970,000	-	5,593,500	11,594,770
Development Cost Charges (DCC) Reserves	3,151,270	150,000	3,295,000	600,000	5,943,500	13,139,770
Community Works Reserve	3,171,210	1,219,500	560,000	200,000	-	5,150,710
Equipment Depreciation Reserve	2,271,874	1,535,500	1,969,500	2,461,220	1,981,000	10,219,094
Facility Development Reserve	564,790	2,174,764	922,785	120,600	-	3,782,939
General Fund Asset Mgmt Reserve	3,815,833	5,948,627	2,312,000	1,613,000	3,413,000	17,102,460
General Reserves	2,653,278	1,168,160	76,700	403,150	651,950	4,953,238
Operating and Statutory Reserves	12,476,985	12,046,551	5,840,985	4,797,970	6,045,950	41,208,441
Private Contributions	150,000	2,880,000	-	-	-	3,030,000
Grants/Private Contributions	150,000	2,880,000	-	-	-	3,030,000
General Revenue and User Fees	7,129,690	7,230,259	7,339,923	7,470,126	7,467,931	36,637,929
PILT's	125,000	670,000	-	-	-	795,000
Borrowing	-	10,600,000	-	-	-	10,600,000
Total Funding	23,032,945	33,576,810	16,475,908	12,868,096	19,457,381	105,411,140

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2017 Projects

For Discussion Purposes Only - November 16th Finance and Audit Committee Meeting

PROJECTS	AMOUNT	PROJECT HIGHLIGHTS
Strategic	2,095,190	Projects and programs that address specific initiatives, issues or goals.
Equipment & Vehicle Program	3,368,731	<p>The City utilizes a wide range of vehicles and equipment to deliver services. The majority of planned purchases in 2017 are for the renewal of existing assets. Major purchases include:</p> <ul style="list-style-type: none"> - Electric Zamboni - Excavator (new): business case*, 6.25 year payback - Flush Truck - Street Sweeper - Van with Aerial Ladder
Facilities Infrastructure & Amenities Program	4,509,380	<p>The City currently owns and operates over 100 facilities which support deliver of a wide range of services. Major projects in 2017 include:</p> <ul style="list-style-type: none"> - Construction of a new multi-use facility at Harewood Centennial Park, business case* - Construction of new steel training tower at Nanaimo Fire Rescue's training centre, business case* - Sustainability upgrades to Nanaimo Aquatic Centre - Upgrade interior lighting to LED at Police Operations Building, 3.25 year payback
Information Technology Infrastructure Program	560,769	<p>The City's technology equipment, maintains systems access for network and business applications. Major projects in 2017 include:</p> <ul style="list-style-type: none"> - Corporate file storage - Photocopier replacements - Enhancements to business applications to improve efficiencies
Parking Infrastructure Program	462,745	<p>The City currently owns and operates three multi-level parkades and five parking lots. 2017 projects include:</p> <ul style="list-style-type: none"> - Development of parking strategies for the Old City Quarter and Hospital Area - Harbourfront Parkade: renewal of roof membrane and sprinkler system and elevator upgrades - Bastion St Parkade: maintenance of exposed concrete wall
Parks Infrastructure Program	2,098,242	<p>Parks infrastructure includes destination parks, neighborhood parks, spray parks, sports field, playgrounds, tennis/sport course and trails. Major projects in 2017 include:</p> <ul style="list-style-type: none"> - Installation of field lights at Serauxmen Mariner Field - Renewal of outdoor lacrosse box at Harewood Centennial Park - Conversion of Beaufort Tennis Courts into pickleball courts - Renewal work on Parkway Trail - Railing replacement program: Anchor Way, Pioneer Plaza and Diana Krall Plaza - Detailed design for Nanaimo Yacht Club Waterfront Walkway (construction 2018)
Drainage Infrastructure Program	2,218,948	<p>The drainage infrastructure program includes renewal projects for infrastructure at end of life and new/upgrade projects to address current and future capacity issues. Major projects in 2017 include:</p> <ul style="list-style-type: none"> - Terminal Ave South Utility Project includes portions of Cypress St and Terminal Ave - Hammond Bay Corridor & Utility Project: Hammond Bay Rd from Stephenson Pt to 3052 Hammond Bay Rd - Departure Bay Area Utility Project: Glenayr Dr from Loat St to Bay St - Condition assessment program

* Business case to support project was prepared

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2017 Projects Continued

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PROJECTS	AMOUNT	PROJECT HIGHLIGHTS
Transportation Infrastructure Program	7,718,940	<p>The City's Transportation Master Plan (2014) provides direction on expansion/upgrades to the City's transportation infrastructure. Transportation infrastructure includes over 1,100 km of roadways, 400 km of sidewalks, 15 bridge structures, over 3,500 street lights and 85 traffic signals. Major projects in 2017 include:</p> <ul style="list-style-type: none">- Major maintenance of Bastion Street Bridge- Linley Valley Complete Street Project includes construction of roundabout at Nelson and Rutherford Rd and pedestrian improvements- Hammond Bay Corridor & Utility Project includes replacement of bin wall and new street lighting- Cycling lane on Bruce Ave: Pine St to Bowen Rd- Cycling lane on Dover Rd: City Limit to McGirr Rd- Multi-use trail between Caspers Way and Morey Rd- Renewal of street lights in downtown area around Victoria Cres, China Steps and Loise Lane with LED heritage style luminaries
Total	23,032,945	

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Strategic Projects

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Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
	Audits:						
	COR External Audit	-	14,000	-	-	14,000	28,000
	Financial/Performance Audits	50,000	50,000	50,000	50,000	50,000	250,000
	Culture & Heritage Initiatives:						
Cultural Plan	Canada Day 150 Celebrations	30,000	-	-	-	-	30,000
Cultural Plan/Community Plan for Public Art	Public Art	50,000	50,000	50,000	50,000	50,000	250,000
Heritage Action Plan/OCP	Downtown Facade Grants	20,000	20,000	20,000	20,000	20,000	100,000
Heritage Conservation Program	Downtown Heritage Bldg Design Guidelines Update	50,000	-	-	-	-	50,000
	Environmental Projects:						
Buttertubs Management Plan/OCP	Buttertubs Marsh Hydrology Study	27,900	-	-	-	-	27,900
Buttertubs Management Plan/OCP/PRC Master Plan	Community Watershed Monitoring	2,750	-	-	-	-	2,750
Invasive Plant Mangement Strategy/OCP	Invasive Plant Management Program	28,000	25,000	20,000	20,000	20,000	113,000
Departure Bay Neighbourhood Plan/OCP	Municipal Stream Relocation	114,000	-	-	-	-	114,000
	Land:						
Council Strategic Plan Update/PMS	Property Acquisitions - General	600,000	600,000	600,000	600,000	600,000	3,000,000
PMS	Property Acquisitions - General	425,040					425,040
	Official Community Plan:						
OCP	Planning Studies	-	75,000	75,000	75,000	75,000	300,000
OCP	OCP Update	-	100,000	100,000	-	-	200,000
OCP	Woodgrove Urban Node Area Plan	100,000	-	-	-	-	100,000
	Parks and Recreation (PR) Plans:						
Core Review	PR Master Plan Update	75,000	75,000	-	-	-	150,000
Core Review	PR Marketing Plan Update	26,500	-	-	-	-	26,500
	Social Planning Initiatives:						
Council Strategic Plan Update	Affordable Housing Strategy	150,000	-	-	-	-	150,000
Council Strategic Plan Update	Poverty Reduction Strategy	50,000	-	-	-	-	50,000
Council Strategic Plan Update/OCP	Housing Legacy Reserve	165,000	165,000	165,000	165,000	165,000	825,000
							-
BC Fire Safety ACT/BC Building Code	Fire Bylaw Update	6,000	-	-	-	-	6,000
Council Directive	Immigrant Welcome Reception	4,500	4,500	4,500	4,500	4,500	22,500
Council Directive	Mayor's Youth Advisory Council	3,000	3,000	3,000	3,000	3,000	15,000
Council Directive/TMP	Alternate Transportation Education & Marketing	7,500	7,500	7,500	7,500	7,500	37,500
	City Orthophotos	25,000	150,000	25,000	25,000	150,000	375,000
	Coal Mine Risk Assessment	50,000	-	-	-	-	50,000
	Property Valuations for Insurance	35,000	35,000	35,000	35,000	35,000	175,000
Grand Total		2,095,190	1,374,000	1,155,000	1,055,000	1,194,000	6,873,190

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Equipment & Vehicle Program

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Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
Renewal Projects and Programs:							
	Fleet:						
ARP	City Fleet	1,909,974	1,465,000	410,000	1,285,000	1,115,000	6,184,974
ARP	Fire Fleet	141,000	100,000	1,500,000	1,165,000	825,000	3,731,000
ARP	Ice Resurfacer	185,000	-	-	-	-	185,000
	Equipment:						
ARP	Furniture and Equipment	323,230	237,953	240,209	239,622	188,028	1,229,042
ARP	Gym Equipment	50,000	-	50,000	-	50,000	150,000
ARP	Maintenance Equipment	135,100	340,400	188,900	127,550	106,700	898,650
ARP	Misc - Fire Equipment	106,900	69,500	67,208	67,874	69,448	380,930
ARP	Misc - Fleet Shop Equipment	10,400	16,000	10,000	79,720	17,500	133,620
ARP	Misc - Survey Equipment	10,000	10,000	10,000	10,000	10,000	50,000
ARP	Park Amenities	116,200	116,200	116,200	118,000	118,000	584,600
ARP	SNIC Equipment	-	36,500	-	104,500	20,000	161,000
ARP	VICC Kitchen Equipment	-	81,470	-	-	-	81,470
Total		2,987,804	2,473,023	2,592,517	3,197,266	2,519,676	13,770,286
New/Upgrades:							
	Fleet:						
2016 Business Case	City Fleet	232,927	-	-	-	-	232,927
Core Review	City Fleet	40,000	45,000	-	-	-	85,000
	City Fleet	88,000	-	-	-	-	88,000
	Equipment:						
	Maintenance Equipment	20,000	-	-	-	-	20,000
2014 Business Case	Parking Equipment	-	383,250	-	-	-	383,250
	SNIC Equipment	-	15,000	-	-	-	15,000
Total		380,927	443,250	-	-	-	824,177
Grand Total		3,368,731	2,916,273	2,592,517	3,197,266	2,519,676	14,594,463

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Facilities Infrastructure & Amenities Program

For Discussion Purposes Only - November 16th Finance and Audit Committee Meeting

Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
Renewal Projects and Programs:							
ARP	Condition Assessment/Pre-Design	203,000	200,000	300,000	300,000	300,000	1,303,000
Culture & Heritage Facilities:							
ARP	150 Commercial Street	10,200	85,500	-	25,500	-	121,200
ARP	25 Victoria Rd	-	260,000	-	-	-	260,000
ARP	Bastion	-	13,000	-	-	23,000	36,000
ARP	Nanaimo Museum	-	10,000	-	-	-	10,000
ARP	Port Theatre	93,100	29,800	98,656	106,700	95,000	423,256
Nanaimo Fire Rescue Facilities:							
ARP	Fire Station #2	-	-	14,300	-	-	14,300
ARP	Fire Station #3	22,600	14,600	-	-	-	37,200
ARP	Fire Station #7	36,300	-	-	-	-	36,300
ARP	Fire Training Centre	7,100	-	-	-	-	7,100
Parks and Recreation Facilities:							
ARP	Beban Complex	22,300	1,565,193	-	-	-	1,587,493
ARP	Beban Pool	79,160	90,884	3,500	60,000	10,000	243,544
ARP	Beban Social Centre	169,705	66,700	41,650	135,600	11,250	424,905
ARP	Bowen Park Complex	90,150	71,350	-	25,000	21,000	207,500
ARP	Centennial Building	-	-	-	-	23,555	23,555
ARP	Cliff McNabb Arena	-	72,095	11,700	-	-	83,795
ARP	Frank Crane Arena	27,300	420,000	-	-	-	447,300
ARP	Kin Pool	89,600	-	5,100	-	-	94,700
ARP	Nanaimo Aquatic Centre	80,575	1,707,765	1,000,785	49,500	119,016	2,957,641
ARP	Nanaimo Ice Centre	-	-	14,600	15,000	60,777	90,377
ARP	Oliver Woods Community Centre	10,000	-	25,000	45,000	-	80,000
Total		941,090	4,606,887	1,515,291	762,300	663,598	8,489,166
New/Upgrades:							
Culture & Heritage Facilities:							
Cultural Plan/Council Directive	Port Theatre	-	6,900,000	-	-	-	6,900,000
	Port Theatre	12,400	-	-	-	-	12,400
Nanaimo Fire Rescue Facilities:							
OH & S Recommendation	Fire Station #3	6,000	-	-	-	-	6,000
	Fire Station #4	20,040	-	-	-	-	20,040
2016 Business Case	Fire Training Centre	200,167	-	-	-	-	200,167
	Fire Training Centre	25,000	-	-	-	-	25,000
Parks and Recreation Facilities:							
Sustainability	Beban Complex	4,950	-	-	-	-	4,950
P & R Security Review	Beban Pool	30,500	-	-	-	-	30,500
	Beban Pool	12,100	-	-	-	-	12,100
P & R Security Review	Beban Social Centre	14,000	-	-	-	-	14,000
	Bowen Park Complex	19,200	49,700	-	-	-	68,900
Sustainability	Cliff McNabb Arena	-	41,500	-	-	-	41,500
P & R Security Review	Frank Crane Arena	26,400	-	-	-	-	26,400
Sustainability	Frank Crane Arena	-	-	42,300	-	-	42,300
Harewood Centennial Park Improvement Plan	Harewood Centennial Court	2,417,290	-	-	-	-	2,417,290
Sustainability	Nanaimo Aquatic Centre	193,665	-	-	-	-	193,665
Sustainability	Nanaimo Ice Centre	39,772	-	-	-	-	39,772
Total		3,021,484	6,991,200	42,300	-	-	10,054,984
Subtotal		3,962,574	11,598,087	1,557,591	762,300	663,598	18,544,150

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Facilities Infrastructure & Amenities Program Continued

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Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
Renewal Projects and Programs:							
	Police Facilities:						
ARP	Police Operations Building	94,736	87,876	339,000	29,180	20,000	570,792
ARP	Public Works Yard	194,000	77,475	65,600	85,000	65,000	487,075
ARP	VICC	111,885	55,000	-	30,000	-	196,885
Total		400,621	220,351	404,600	144,180	85,000	1,254,752
New/Upgrades:							
	Police Facilities:						
Sustainability	Police Operations Building	133,500	-	-	-	-	133,500
Sustainability	Public Works Yard	12,685	-	-	-	-	12,685
Total		146,185	-	-	-	-	146,185
Grand Total		4,509,380	11,818,438	1,962,191	906,480	748,598	19,945,087

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Information Technology Infrastructure Program

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Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
Renewal Projects and Programs:							
ARP	Business Applications	46,150	-	-	-	487,750	533,900
ARP	Computing Infrastructure	81,480	394,480	34,400	343,150	164,200	1,017,710
Myra Review	Business Applications	28,300	-	-	-	-	28,300
Total		155,930	394,480	34,400	343,150	651,950	1,579,910
New/Upgrades:							
2016 Business Case	Computing Infrastructure	237,335	-	-	-	-	237,335
IT Security Review	Computing Infrastructure	19,040	-	-	-	-	19,040
IT Security Review	Policy Development/User Training	-	59,940	-	-	-	59,940
Myra Review	Business Applications	39,620	-	-	-	-	39,620
	Business Applications	108,844	45,000	45,000	45,000	45,000	288,844
	Computing Infrastructure	-	107,520	-	-	-	107,520
Total		404,839	212,460	45,000	45,000	45,000	752,299
Grand Total		560,769	606,940	79,400	388,150	696,950	2,332,209

Excludes Desktop Computers (Included in Furniture and Equipment Replacement Plans)

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Parking Infrastructure Program

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Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
Renewal Projects and Programs:							
ARP	Bastion St Parkade	48,670	242,000	250,000	250,000	250,000	1,040,670
ARP	Harbourfront Parkade	346,975	45,000	325,000	340,000	325,000	1,381,975
ARP	Port of Nanaimo Centre Parkade	-	-	-	15,000	-	15,000
Total		395,645	287,000	575,000	605,000	575,000	2,437,645
New/Upgrades:							
Core Review	Parking Strategies	65,000	-	-	-	-	65,000
Sustainability	Gordon Street Parking Lot	2,100	-	-	-	-	2,100
Total		67,100	-	-	-	-	67,100
Grand Total		462,745	287,000	575,000	605,000	575,000	2,504,745

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Parks Infrastructure Program

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Project Costs:							
Renewal Projects and Programs:							
ARP	Communication System	20,800	42,700	-	-	-	63,500
ARP	Misc Projects	81,475	-	-	-	-	81,475
ARP	Parks & Playground	50,200	20,000	20,000	20,000	20,000	130,200
ARP	Pickleball Courts	150,000	-	-	-	-	150,000
ARP	Railing Replacement Program	267,500	-	-	-	52,500	320,000
ARP	Sports Fields/Field Houses	30,000	-	-	7,000	-	37,000
ARP	Tennis Court Improvements	-	-	-	24,000	28,876	52,876
ARP	Trail Development	231,580	324,000	129,000	129,000	129,000	942,580
Dam Safety Regulations	Misc Projects	46,000	47,150	48,300	49,450	50,600	241,500
Harewood Centennial Park Improvement Plan	Lacrosse Box	183,420	-	-	-	-	183,420
Total		1,060,975	433,850	197,300	229,450	280,976	2,202,551
New/Upgrades:							
Colliery Dam Park Impr. Process	Colliery Dam Park	192,627	33,300	-	-	-	225,927
Council Directive	Sports Fields/Field Houses	539,225	-	-	-	-	539,225
Culture Plan/Community Plan for Public Art	Public Art	50,000	50,000	50,000	50,000	50,000	250,000
Harewood Centennial Park Improvement Plan	Trail Development	-	-	-	-	10,081	10,081
OCP/PRC Master Plan	Parks & Playgrounds	50,000	50,000	50,000	50,000	50,000	250,000
Sustainability	Sports Fields/Field Houses	3,815	-	-	-	-	3,815
Trail Implementation Plan	Trail Development	-	32,575	100,000	100,000	100,000	332,575
Trail Implementation Plan/Council's Strategic Plan Update	Trail Development	125,000	1,250,000	-	-	-	1,375,000
	Misc Projects	24,300	-	-	-	-	24,300
	Sports Fields/Field Houses	52,300	-	-	-	-	52,300
Total		1,037,267	1,415,875	200,000	200,000	210,081	3,063,223
Grand Total		2,098,242	1,849,725	397,300	429,450	491,057	5,265,774

General Fund - Draft 2017 - 2021 Project Plan (includes Facilities)

Drainage Infrastructure Program

For Discussion Purposes Only - November 16th Finance and Audit Committee Meeting

Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
Renewal Projects and Programs:							
ARP	Condition Assessment Program	300,000	300,000	300,000	300,000	300,000	1,500,000
ARP	Mains	1,258,948	1,765,500	1,710,000	919,000	47,000	5,700,448
DCC Bylaw - Roads	Mains	470,000	-	-	-	-	470,000
Total		2,028,948	2,065,500	2,010,000	1,219,000	347,000	7,670,448
New/Upgrades:							
Beaufort Study	Mains	35,000	-	350,000	-	-	385,000
DCC Bylaw - Drainage	Mains	40,000	100,000	450,000	1,000,000	500,000	2,090,000
Northfield Creek Plan	Mains	-	-	100,000	-	1,000,000	1,100,000
Seventh St. Study	Mains	-	-	-	-	32,000	32,000
TMP	Mains	-	-	248,000	136,000	480,000	864,000
Total		75,000	100,000	1,148,000	1,136,000	2,012,000	4,471,000
Plans/Studies:							
ARP	Studies	115,000	75,000	-	-	-	190,000
FDCC Bylaw - Drainage	Master Plans	-	100,000	-	100,000	-	200,000
Total		115,000	175,000	-	100,000	-	390,000
Grand Total		2,218,948	2,340,500	3,158,000	2,455,000	2,359,000	12,531,448

General Fund - Draft 2017 - 2021 Project Plan (includes Facilities)

Transportation Infrastructure Program

For Discussion Purposes Only - November 16th Finance and Audit Committee Meeting

Supporting Document		2017	2018	2019	2020	2021	Total
Project Costs:							
Renewal Projects and Programs:							
ARP	Bridges	1,840,000	-	-	-	-	1,840,000
ARP	Condition Assessment Program	35,000	-	100,000	-	-	135,000
ARP	Pedestrian Amenities	30,000	-	-	-	-	30,000
ARP	Railway Crossings	25,000	25,000	25,000	25,000	25,000	125,000
ARP	Road Rehabilitation	326,200	4,064,434	1,156,000	2,067,000	2,166,700	9,780,334
ARP	Sidewalk Maintenance Program	-	50,000	-	50,000	-	100,000
ARP	Street Lights	350,000	50,000	50,000	50,000	50,000	550,000
ARP	Traffic Improvements	250,000	427,700	365,000	442,800	360,000	1,845,500
ARP/Council's Strategic Plan Update	Traffic Improvements	300,000	6,000,000	-	-	-	6,300,000
Total		3,156,200	10,617,134	1,696,000	2,634,800	2,601,700	20,705,834
New/Upgrades:							
DCC Bylaw - Roads	Designs	100,000	-	-	-	-	100,000
DCC Bylaw - Roads	Pedestrian Amenities	50,000	-	-	-	-	50,000
DCC Bylaw - Roads	Traffic Improvements	3,073,000	-	3,000,000	-	5,650,000	11,723,000
FDCC Bylaw - Roads	Traffic Improvements	50,000	-	500,000	-	-	550,000
TMP	Cycling Amenities	399,500	344,500	430,000	452,350	340,000	1,966,350
TMP	Pedestrian Amenities	120,240	88,300	546,500	429,600	746,400	1,931,040
TMP	Traffic Improvements	-	-	-	-	200,000	200,000
TMP	Transit Improvements	-	-	100,000	100,000	170,000	370,000
TMP/Brechin & Newcastle Neighbourhood Plans	Cycling Amenities	80,000	-	-	-	-	80,000
TMP/Brechin & Newcastle Neighbourhood Plans	Pedestrian Amenities	130,000	-	-	-	-	130,000
TMP/Brechin & Newcastle Neighbourhood Plans	Pedestrian/Cycling Amenities	-	-	59,000	-	588,000	647,000
TMP/Council's Strategic Plan Update	Pedestrian/Cycling Amenities	90,000	900,000	-	-	-	990,000
TMP/Harewood Neighbourhood Plan	Cycling Amenities	240,000	309,000	160,000	200,000	60,000	969,000
TMP/Harewood Neighbourhood Plan	Pedestrian Amenities	-	-	50,000	-	502,000	552,000
Total		4,332,740	1,641,800	4,845,500	1,181,950	8,256,400	20,258,390
Plans/Studies:							
ARP	Studies	-	60,000	-	-	-	60,000
ARP	Surveys	30,000	15,000	15,000	15,000	15,000	90,000
TMP	Planning	-	50,000	-	-	-	50,000
TMP	Standards	55,000	-	-	-	-	55,000
TMP	Studies	60,000	-	-	-	-	60,000
TMP	Surveys	85,000	-	-	-	-	85,000
Total		230,000	125,000	15,000	15,000	15,000	400,000
Grand Total		7,718,940	12,383,934	6,556,500	3,831,750	10,873,100	41,364,224