

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Government Services					
Bicycle Racks and Street Furniture - Downtown	10	-	-	-	-
Chairs for Council Chambers	18	-	-	-	-
Development Equity and Zoning Plans	16	-	-	-	-
Downtown Improvements - Safety	21	-	-	-	-
Equip Purch - Emergency Program	22	-	-	-	-
Equip Purch - GPS and Robotic Total Station	-	-	-	-	60
Equip Purch - Racking Fixtures Storage	40	20	-	-	-
Minor Capital - City	100	-	100	100	100
Minor Capital - Engineering	15	15	15	15	15
Minor Capital - Gen Government	15	15	15	15	15
Minor Capital - Town Centre	-	100	100	100	100
Minor Capital - Town Centre - 4 Way Stop on 224th	10	-	-	-	-
Minor Capital - Town Centre - Banners	5	-	-	-	-
Minor Capital - Town Centre - Christmas Lights	3	-	-	-	-
Minor Capital - Town Centre - Maintenance	12	-	-	-	-
Minor Capital - Town Centre - Tunnel Lighting	30	-	-	-	-
Operations Centre Yard and Building Improvements	1,500	-	-	-	-
Recycling - Bag - Bin Topper - Bluebox - Collection - Scale	171	40	40	40	40
Recycling - Conveyor Belt	65	-	-	-	-
Recycling - Dual Tipper	-	250	-	-	-
Recycling - Hydraulic Collection Truck	250	-	-	-	-
Recycling - Land Purchase and Improvements	510	-	-	-	-
Recycling - Upgrades and Service Life Extension on Trucks	150	-	-	-	-
Strategic Land Purchases	4,250	-	-	-	-
Government Services	7,212	440	270	270	330

Technology

Amanda Projects	81	-	-	-	-
Asset Management Phase 1	-	-	-	500	-
Asset Management Phase 2	-	-	-	-	500
Automated Data Collection - Engineering	13	-	-	-	-
Build Up Test and Development Environment	25	-	-	-	-
Cable Plant Upgrade - Leisure Centre	90	-	-	-	-
Cable Plant Upgrade - Operations	90	-	-	-	-
Capital Reporting Module (Hyperion)	25	-	-	-	-
Capital Works Program Replacement Study	45	-	-	-	-
City Green Software	5	-	-	-	-
Class Software	-	250	-	-	-
Document Management Requirements	85	-	-	-	-
Document Management Requirements (IT)	75	-	-	-	-
Document Processing Phase 1B	60	-	-	-	-
EOC Technology Upgrades	13	-	-	-	-

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Technology (cont.)					
Equip Purch - Info Serv	548	570	290	832	811
Equip Purch - Wireless Data System	22	-	-	-	-
Exchange Upgrade and Outlook Archiving	17	-	-	-	-
FH2 Connectivity (Data and Voice)	13	-	-	-	-
Financial Systems Study	33	-	-	-	-
Fleet Management Software	70	-	-	-	-
Flexpod - Virtual Hardware	-	100	-	-	-
GIS - Mobile	25	-	-	-	-
GIS Infrastructure Package	-	-	-	75	-
Implement Virtual Desktops	50	-	-	-	-
Infrastructure Growth	57	50	50	50	50
Install Mobile in Vehicles	30	-	-	-	-
IT Disaster Recovery Infrastructure	-	-	97	-	-
IT Fibre Optic Network (various)	1,227	-	-	-	-
IT Server Room - AC Upgrade	19	-	-	-	-
IT Website Redesign Phase 2	-	-	72	-	-
Management Reporting Software Phase 1	13	-	-	-	-
Management Reporting Software Phase 2	-	40	-	-	-
Microfiche readers	14	-	-	-	-
Migrate Oracle to SQL	204	-	-	-	-
Minor Capital - Technology	102	-	-	-	-
Mobile Application (Tablet)	49	-	-	-	-
Mobile Application Development	25	25	25	25	25
Mobility	-	-	-	-	50
Networking Testing Equip	35	-	-	-	-
Online Fire Inspections	27	-	-	-	-
Online Realtime Apps for Licenses Permits Bylaws	100	-	-	-	-
Online Services	-	-	-	-	100
Project Management Job Cost Study Phase 2	47	-	-	-	-
Ross HR System Improvements	40	-	-	-	-
Strategic Plan	42	-	-	-	-
User Logon Enhancement	20	-	-	-	-
Video Production and Conferencing	-	-	-	43	-
Virtual Desktop	-	100	-	-	-
Voting Software	-	69	-	-	-
Web Security Infrastructure (F5)	70	-	-	-	-
Website Payments	54	-	-	-	-
Website Rebuild	30	-	-	-	-
Wireless Hardware - Software - Infrastructure	39	25	-	-	-
Technology	3,628	1,229	535	1,525	1,536

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Protective Fire					
AV upgrades FH1 Training Room and EOC	30	-	-	-	-
Equip Revitalization - Engine 2 3	-	-	110	-	-
FD Vehicle E-32 E-One Replacement (Tender 3)	450	-	-	-	-
FD Vehicle R3-F550 (R2) Replacement	-	-	-	500	-
FD Vehicle Tender 1 Replacement	-	-	-	500	-
FD Vehicle Tower 1 Replacement	-	1,500	-	-	-
FDM Asset Management Module	40	-	-	-	-
FH1 and FH2 - Exhaust System	50	-	-	-	-
FH1 Operational Support Unit	65	-	-	-	-
FH3 Generator	50	-	-	-	-
FH4 Engine New	625	-	-	-	-
FH4 Equip Purchase	270	-	-	-	-
FH4 Firehall	6,387	-	-	-	-
FH4 Protective and Safety Equip	84	-	-	-	-
FH4 Tender 4	475	-	-	-	-
FH5 Land Acquisition	350	-	-	-	-
Rescue 2 Replacement Quint 3	1,080	-	-	-	-
Protective Fire	9,956	1,500	110	1,000	-
Protective Police					
Chair Replacement - General Office	-	-	20	-	-
Chair Replacement - Hilton Haider	-	-	-	40	-
Chair Replacement - SEU GIS	-	20	-	-	-
Desk Replacement - General Duty	63	-	-	-	-
Front Counter Kiosk Expansion	-	-	-	150	-
Randy Herman Lunchroom Furniture	-	5	-	-	-
RCMP - CCVE Upgrade	35	-	-	-	-
RCMP - File System Exhibits Records	85	-	-	-	-
RCMP - Interview Room and GIS Relocation	10	-	-	-	-
RCMP - Interview Room Doors	4	-	-	-	-
RCMP - Work Yards Storage Fence	14	-	-	-	-
Protective Police	211	25	20	190	-
Park Acquisition					
223 St St Anne Park Acquisition	600	-	-	-	-
Boundary Park (201 and 123) Phase 2	950	-	-	-	-
Cemetery Expansion	1,048	-	-	-	-
Greenbelt Acquisition	1,028	200	200	200	200
Haney Nokai Park Phase 2 - Acquisition 1	420	-	-	-	-
Haney Nokai Park Phase 2 - Acquisition 2	-	450	-	-	-
Park (221 and 119) Lot 4	400	-	-	-	-
Park (241 and 112) Lot 2	1,853	-	-	-	-

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Park Acquisition (cont.)					
Park (248 and 108) Lot 2	3,077	-	-	-	-
Silver Valley Neigh Park Acquisition A - Nelsons Peak	269	-	-	-	-
Silver Valley Neigh Park Acquisition B	627	-	-	-	-
Silver Valley Neigh Park Acquisition SE H	1,748	-	-	-	-
Silver Valley Neigh Park Phase 1	1,683	-	-	-	-
Smart Growth Park Acquisitions	-	-	-	2,250	-
SW Haney Park	-	-	-	-	366
Whispering Falls Park (264 and 126)	-	-	1,161	-	-
Park Acquisition	13,702	650	1,361	2,450	566
Park Improvement					
Albion Park (Washroom Facility)	304	-	-	-	-
Albion Sports Complex - Lighting	-	200	-	-	-
Aquatic Weed Harvester for Whonnock Lake	20	-	-	-	-
BMX Skills Development Area (Albion)	8	-	-	-	-
Computerized Irrigation Control System	50	-	-	-	-
Cottonwood E Park Dev-Firefighters Park	319	-	-	-	-
Equip Purch - Parks and Rec Vehicle	-	-	40	-	-
Equip Purch - Parks and Rec Vehicle 2017	-	-	30	-	-
Haney Nokai Park Improvement	-	-	360	-	-
Horseman Park Pedestrian Crossing	-	-	-	-	200
Intergenerational Garden	-	-	-	35	-
Maple Ridge Library Signage	27	-	-	-	-
Minor Capital - Gen Rec	39	30	30	30	30
Park Development (231 and 137)	360	-	-	-	-
Park Development (232 and 132)	202	-	-	-	-
Park Development (241 and 104)	360	-	-	-	-
Park Development (241 and 112)	-	-	-	360	-
Park Development (248 and 108)	-	-	360	-	-
Parking Lot Paving Thomas Haney Tennis Court	50	-	-	-	-
Public Library Cameras	20	-	-	-	-
Raymond Park Development	380	-	-	-	-
Sport Field Misc Capital (Turf Reserve)	72	-	-	-	-
Sport Field Renovations-Hammond Stadium	49	-	-	-	-
Trail Bridge Replacements	32	-	-	-	-
Trail Counter and Interpretive Sign Tech	-	-	25	-	-
Whonnock Lake Phase 1 Entrance Road	235	-	-	-	-
Whonnock Lake Phase 2 Parking	290	-	-	-	-
Whonnock Lake Phase 3 Path and Light	297	-	-	-	-
Whonnock Lake Phase 4 Beach and General	356	-	-	-	-
Whonnock Lake Phase 5 Washroom Facility	-	-	624	-	-
Youth Action Park Albion	-	750	-	-	-
Park Improvement	3,471	980	1,469	425	230

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Recreation Services					
Bouldering Rock Wall	30	-	-	-	-
Leisure Centre - Pool Renovation	5,500	-	-	-	-
Memorial Park - Spray Park and Washrooms	-	-	-	-	300
Scooter Play Park	-	-	75	-	-
Recreation Services	5,530	-	75	-	300
Drainage					
287 St (Storm Main at Watkins - Study)	75	-	-	-	-
288 St (Storm Main at Watkins Sawmill)	-	-	250	-	-
Culvert Replacement Program	200	200	200	200	200
Ditch Enclosures	21	21	21	21	21
Drainage Upgrade Program	521	266	508	523	738
Flood Abatement N Alouette	123	100	-	100	-
ISMP Watershed Review	693	250	-	-	-
Local Area Service - Drain	250	250	250	250	250
Lower Hammond Pump Station	603	-	-	-	-
Rainbow Crescent Culvert Upgrade (at Kanaka)	200	-	-	-	-
Storm Sewer Connections	23	23	23	23	24
Stormwater Runoff and Stream	359	120	70	70	70
Drainage	3,068	1,230	1,323	1,188	1,303
Highways					
102 Ave at 241 - Acquisition	-	-	545	-	-
104 Ave (240 - 244) and 245 St	314	-	-	-	-
112 Ave (60M W 236 - 236)	25	-	-	-	-
116 Ave (Lougheed - 232)	-	105	-	-	-
116 Ave Urban Road Upgrade 203 to Warsley	-	-	50	-	-
118 Ave (230 - 231)	-	-	148	-	-
119 Ave (226 - 227)	11	-	-	-	-
121 Ave at 214 St - Pedestrian Improvements	9	-	-	-	-
122 Ave (221 - 224)	-	-	850	-	-
122 Ave (222 - 224)	-	-	-	-	950
128 Ave (216 - Abernethy)	-	4,000	-	-	-
128 Ave (228 - 200M East 232)	-	-	132	-	-
128 Ave Road and Drainage Improvement (210 - 216)	6,233	-	-	-	-
132 Ave (232 - 235) - Fern Crescent	988	-	-	-	-
136 Ave (224 - 400M E 224)	-	-	-	1,891	-
136 Ave (224 - 400M E 224) Design	-	95	-	-	-
203 St (Lougheed - Golden Ears Way)	4,477	-	-	-	-
203 St at Lougheed Intersection Upgrade	228	-	-	-	-
207 St S of Lougheed	210	-	-	-	-
224 St (122 - Abernethy)	-	-	154	-	-

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Highways (cont.)					
224 St (Abernethy - 132)	-	-	-	142	-
224 St at 124 Ave - Intersection Safety	138	-	-	-	-
224 St at 132 Ave (N Alouette Bridge)	-	-	2,823	-	-
224 St at 132 Ave (N Alouette Bridge) Design	-	250	-	-	-
224 St General Improvements - Lighting	28	-	-	-	-
228 St (12100 Block)	-	6	-	-	-
232 St (132 - Silver Valley Rd) Sidewalk	270	-	-	-	-
232 St at Dogwood Ave - Urban Treatment	-	-	-	50	-
232 St Ped Conn (Lawn Bowl - N Cottonwood)	-	-	35	-	-
240 St (Lougheed - 104) - Road and Drainage	5,216	-	-	-	-
240 St DTR Intersection Alignment	40	200	-	-	-
240 St DTR Intersection Alignment and Signal	60	-	-	-	-
241 St (230M S 112 - 112)	-	-	290	-	-
241A St (100M S 102 - 102)	100	-	-	-	-
244 St (50M S of 104 - 104)	50	-	-	-	-
245 St (104 - 220M N 104)	26	-	-	-	-
256 St at Dewdney Trunk - Intersection Upgrade (Design)	50	-	-	-	-
287 St Bridge Replacement	-	-	200	-	-
Abernethy (210 - E Blackstock)	2,341	-	-	-	-
Abernethy Way Phase 2 - Intersection Improvement	168	-	-	-	-
Access Culverts	29	29	30	30	30
Bikeway Program	50	50	50	50	50
Bridge Repairs Struct Upgrade	444	150	150	150	150
Brown Ave Land Acquisition (At Dunbar St)	-	-	-	299	-
Dewdney Trunk at 238B St	-	-	-	200	-
Dewdney Trunk at Burnett Traffic Signal	-	-	277	-	-
Dewdney Trunk at Kanaka Creek Bridge	-	350	-	-	-
Downtown Improvements - Lougheed 224 - 226	338	3,400	-	-	-
Emergency Traffic Pre-Empt	76	50	50	50	50
Equip Purch - Fleet	1,881	1,022	784	1,642	1,642
Equip Purch - Fleet - Radio System Replace	22	-	-	-	-
Equip Purch - Upgrade SA to TA Dump Unit Sander	50	-	-	-	-
Fern Crescent (236 - 240)	99	-	-	-	-
Fern Crescent (236 - 240) (F)	-	-	-	-	4,600
Fern Crescent (236 - 244) (Fibre)	-	-	-	-	42
Fern Crescent (240 - 244)	-	100	-	-	-
GVTA Special Project 7	702	-	-	-	-
Illuminated Street Signs Program	27	10	10	10	10
Intersection Upgrade	23	-	-	-	-
Kanaka Way Road Improvements (23800 Block)	95	-	-	-	-
Laity St Bike Lane (DTR to Lougheed)	30	-	-	-	-
Lane E 207 (Camwood - 100M N Camwood)	5	-	-	-	-

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Highways (cont.)					
Larch (Balsam - 236) - Extension Silver Valley	350	-	-	-	-
LAS 20000 Block Hampton - R D S W	288	-	-	-	-
Local Area Service - Road	250	250	250	250	250
Lorne Ave Sidewalk Phase 2	87	-	-	-	-
Lougheed (203 - 222) Street Lighting	-	-	-	626	-
Lougheed 228 St Access Signal Improv	-	-	12	-	-
Maple Meadows Way at CPR Crossing - Improvement	360	-	-	-	-
Material Storage Site (26100 130 Ave)	33	-	-	-	-
McFarlane Ave (Graves - 209) Lighting	23	-	-	-	-
Owens (200M N Camwood - Lougheed)	14	-	-	-	-
Pavement Management	12	-	-	-	-
Ped Safety and Access Improvement	162	90	90	90	90
Pedestrian Safety	350	-	-	-	-
Princess St (Wharf - Lorne)	-	-	129	-	-
Private Driveway Crossings	37	37	38	38	38
River Rd (223 - 224)	-	-	-	-	350
River Rd Sidewalk (Darby - Carshill)	96	-	-	-	-
River Rd Traffic Corridor Improvements	170	750	-	-	-
Road Rehabilitation Program	2,458	1,455	1,690	3,099	3,450
Royal Cres at 100M S Lougheed	25	-	-	-	-
Selkirk Ave (225 - 227)	700	-	-	-	-
Sidewalk Replacement	-	90	90	90	90
Skillen Urban Road Upg Wicklund to 123	-	-	25	-	-
Streetlight Pole Replace Program	102	50	50	50	50
Subdivision E-08-015-1019 104 Ave and 242B	71	-	-	-	-
Traffic Calming Program	164	-	50	50	50
Traffic Signal Replacements	96	90	90	90	90
Traffic Signal Upgrades and Alterations	353	-	-	-	-
Highways	31,051	12,630	9,091	8,897	11,981

Sewer

136 Ave (230 - 231) Sanitary Sewer	29	-	-	-	-
138 Ave (236 - 150M East of 236) LTC007822	-	-	29	-	-
223 St North Ave to St Anne	278	-	-	-	-
225 St PS and River Rd FM Capacity Upgrade Study	-	85	-	-	-
225 St Pump Station Building Upgrades	58	-	-	-	-
225 St Sewer PS Overflow Station Mods LTC002739	-	-	-	200	-
225 St Sewer PS Overflow Station Mods LTC008613	-	-	-	400	-
256 St Sewer Extension to Corrections	575	-	-	-	-
Cottonwood Dr (115 - 116)	-	61	-	-	-
Inflow and Infiltration Monitoring	-	150	-	-	-
Inflow and Infiltration Reduction Program - Areas A K	150	-	-	-	-

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Sewer (cont.)					
Local Area Service - Sewer	250	250	250	250	250
Private Sewer Connections	93	95	97	97	97
River Rd Kanaka Creek to McKay	-	-	-	-	1,300
SCADA Replacement Program	73	66	66	66	66
Sewage System Rehabilitation	655	288	288	288	288
Silver Valley Sanitary Servicing Plan	-	-	-	-	30
South Slope Interceptor Repair	400	-	-	-	-
Sewer	2,561	994	729	1,300	2,031

Water

108 Ave Main - Grant to Albion Zone and PRV	-	-	-	-	500
124 Ave (241 - Ansel) WM Replacement	510	-	-	-	-
128 Ave Supply Main (235 - 238)	-	-	-	807	-
133 Ave at 244 St PRV	-	-	-	108	-
136 Ave (236 - 240)	-	778	-	-	-
136 Ave (Foreman - McKercher)	200	-	-	-	-
136 Ave at 235 St PRV LTC002865	-	100	-	-	-
136 Ave at 235 St PRV LTC007821	-	-	-	173	-
224 St (122 - 124) WM Replacement	-	291	-	-	-
236 St (Fern Cres - 132)	-	-	-	75	-
236 St Pump Station Upgrade	-	-	-	-	730
240 at DTR PRV Capacity Upgrade	250	-	-	-	-
244 St (102 - 102B)	-	-	-	54	-
248 St (108 - 112) Install Main	-	636	-	-	-
256 St Reservoir Relocate Watermain	370	-	-	-	-
263 PS Phase 1 Design	-	-	235	-	-
263 PS Phase 2 Construction	-	-	-	2,060	-
270A St Pump Station Capacity Upgrade	-	-	-	-	1,200
270A St Reservoir	-	183	1,647	-	-
Ansell St (124 - 125)	-	-	230	-	-
Bulk Fill Water Station	90	-	-	-	-
Equip Purch - Upgrade Truck Replacement to F550	14	-	-	-	-
Foreman Drive at 232 Street PRV	-	-	56	-	-
Grant Mountain Reservoir Cell No 2	-	-	-	-	1,300
Local Area Service - Water	250	250	250	250	250
Private Water Connections	185	188	192	192	192
PRV Upgrade Program	75	50	50	50	50
Rothsay Reservoir at 256 St Seismic Upgrade	452	-	-	-	-
Seismic Upgrade Program	539	150	150	150	150
Silver Valley Reservoir	3,450	-	-	-	-
Silver Valley Reservoir Study	150	-	-	-	-
Water Meter Specs Design Criteria Study	10	-	-	-	-

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2015-2019

CAPITAL LISTING BY SECTION & DESCRIPTION	2015	2016	2017	2018	2019
Water (cont.)					
Water Pump Station Upgrades	96	60	60	60	60
Water Security Improvement	37	-	-	-	-
Watermain Replacement Program	313	300	300	300	300
Watermain Replacement Program Prioritization	30	-	-	-	-
Water	7,021	2,987	3,170	4,279	4,732
TOTAL CAPITAL PROGRAM	87,411	22,664	18,153	21,524	23,009

All dollar figures in \$1,000's. 2015 column shows budgeted amounts and includes works-in-progress, projects approved in prior years' budgets and projects approved in 2015. Some projects listed in 2015 may already be complete or well underway.