

CITY OF MAPLE RIDGE CAPITAL IMPROVEMENT PROGRAM | 2016-2020

Section > Project	2016	2017	2018	2019	2020
Government Services					
Equip Purch - GPS and Robotic Total Station	-	-	-	60	-
Equip Purch - Racking Fixtures Storage	20	-	-	-	-
Integrated Procurement Review [SPA]	60	-	-	-	-
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	100
Planning Vehicle	30	-	-	-	-
Recycling Depot (Collection Equipment)	40	40	40	40	60
Recycling Depot (Collection Truck 2017)	-	180	-	-	-
Recycling Depot (Collection Truck)	-	-	-	250	-
Recycling Depot (Collection Truck, Dual Tipper)	250	-	-	-	-
Recycling Truck (2016)	100	-	-	-	-
Recycling Truck (2019)	-	-	-	100	-
Secondary Sander Storage Shed	600	-	-	-	-
Service Centre Utility Upgrades	120	-	-	-	-
Shop Hoists	65	-	-	-	-
Government Services	1,515	450	170	680	290
Technology					
Asset Management Phase 1	-	-	-	500	-
Asset Management Phase 2	-	-	-	-	500
Cable Replacements (FH2 and FH3)	20	-	-	-	-
Card Scanning Project	-	17	-	-	-
Class Software	150	150	-	-	-
Corporate Scanning Project	-	81	-	-	-
Disaster Recovery Infrastructure	-	97	-	-	-
Equip Purch - Info Serv	348	444	603	1,114	721
GIS Infrastructure Package	-	-	75	-	-
ICR Scanning Software	-	16	-	-	-
Implement RFID	-	65	-	-	-
Increase Throughput for Remote Sites	60	-	-	-	-
Infrastructure Growth	50	50	50	50	50
Management Reporting Software Phase 2	-	40	-	-	-
Mobile Application Development	35	35	35	35	35
Networking Testing Equip	50	-	-	-	-
Online Services	-	-	-	100	-
Open Data Government Infrastructure	75	-	-	-	-
Primary Nimble Array	150	-	-	-	-
Purchase Order Technology	-	50	-	-	-
Replace FTP with Dropbox	20	-	-	-	-
Review Backup Strategy	-	30	-	-	-
Testing and Development Equipment	35	-	-	-	-
Upgrade Live Streaming Infrastructure	-	40	-	-	-
Video Production and Conferencing	-	-	43	-	-

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Technology (cont)					
Virtual Hardware	-	100	-	-	-
Voting Software	69	-	-	-	-
Website Redesign Phase 2	-	72	-	-	-
Wireless Hardware - Software - Infrastructure	35	-	-	-	-
Technology	1,097	1,288	806	1,799	1,306
Protective Fire					
Dashboard Cameras	50	-	-	-	-
Dashboard Cameras (Small Trucks)	65	-	-	-	-
Equip Revitalization - Engine 2 3	-	110	-	-	-
Equipment Revitalization - Engine 1 1-2 R1	-	-	-	180	-
FD Vehicle R3-F550 (R2) Replacement	-	-	500	-	-
FD Vehicle Tender 1 Replacement	-	-	500	-	-
FD Vehicle Tower 1 Replacement	1,500	-	-	-	-
FH5 Construction Phase 1	-	-	-	-	250
Turn Out Gear	241	-	-	-	-
Protective Fire	1,856	110	1,000	180	250
Protective Police					
Chair Replacement - General Office	-	20	-	-	-
Chair Replacement - Hilton Haider	-	-	40	-	-
Chair Replacement - SEU GIS	20	-	-	-	-
Front Counter Kiosk Expansion	-	-	150	-	-
Randy Herman Lunchroom Furniture	5	-	-	-	-
Protective Police	25	20	190	-	-
Park Acquisition					
Greenbelt Acquisition	200	200	200	200	200
Haney Nokai Park Phase 2 - Acquisition 2	-	-	-	-	450
Haney Nokai Park Phase 2A	-	-	500	-	-
Merkley Park Expansion	1,011	-	-	-	-
Silver Valley Neigh Park Completion Phase 2	-	-	-	-	1,535
Smart Growth Park Acquisitions	-	-	2,250	-	-
SW Haney Park	-	-	-	366	-
Whispering Falls Park (264 and 126)	-	1,161	-	-	-
Whonnock Lake Acquisition 1	-	-	-	-	2,341
Whonnock Lake Acquisition 2	-	-	-	-	122
Park Acquisition	1,211	1,361	2,950	566	4,648
Park Improvement					
Albion Sports Complex - Lighting	400	-	-	-	-
Albion Sports Complex Support Building	-	600	-	-	-
Albion Synthetic Conversion	-	3,500	-	-	-
Allco Park Improvements	-	-	-	-	248
Cottonwood West Park Facilities	-	-	-	-	615

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Park Improvement (cont)					
Equip Purch - Parks and Rec Vehic	-	30	-	-	-
Equip Purch - Parks and Rec Vehicle	-	-	-	-	40
Equip Purch - Sport Field Top Dresser	-	-	40	-	-
Full Synthetic Field	2,000	-	-	-	-
Haney Nokai Park Improvement	-	450	-	-	-
Horseman Park Pedestrian Crossing	-	-	-	200	-
Intergenerational Garden	-	-	35	-	-
Minor Capital - City - Youth Action Park Albion	-	-	750	-	-
Minor Capital - Gen Rec	30	30	30	30	30
Park Development (241 and 112)	-	-	-	360	-
Park Development (248 and 108)	-	360	-	-	-
Ruskin Park Improvements	-	-	-	-	238
Trail Counter and Interpretive Sign Tech	-	40	-	-	-
Whonnock Lake Phase 5 Washroom Facility	-	624	-	-	-
Park Improvement	2,430	5,634	855	590	1,171

Recreation Services

Double Columbaria Units (Cemetery)	60	-	-	-	-
Memorial Park - Spray Park and Washrooms	-	-	-	300	-
Scooter Play Park	-	75	-	-	-
Recreation Services	60	75	-	300	-

Drainage

106 Ave (180M West of 245 - 245)	-	-	-	-	48
288 St (Storm Main at Watkins Sawmill)	-	250	-	-	-
Condition Assessment	-	100	-	-	-
Culvert Replacement Program	450	300	200	200	200
Ditch Enclosures	21	21	21	21	21
Drainage Upgrade Program	105	668	1,632	2,151	2,421
Flood Abatement N Alouette	-	-	100	-	-
ISMP Watershed Review	150	-	-	-	-
Local Area Service - Drain	250	250	250	250	250
Master Drainage Study	100	-	-	-	-
N Alouette River Flood Protecti	-	-	-	-	100
Princess St Drainage Pumping Station	-	200	-	-	-
Storm Sewer Connections	23	23	23	24	24
Drainage	1,099	1,813	2,227	2,646	3,064

Highways

102 Ave at 241 - Acquisition	-	-	-	545	-
104 Ave (243 - 245)	-	-	-	-	119
116 Ave Urban Road Upgrade 203 to Warsley (Design)	-	-	-	-	50
118 Ave (230 - 231)	-	-	-	-	148
128 Ave (216 - Abernethy) Phase 1	7,300	-	-	-	-
128 Ave (227 - 229)	-	-	-	-	311

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Highways (cont)					
128 Ave (228 - 200M East 232) (Design)	-	132	-	-	-
132 Ave (Balsam - 236) - Fern Crescent	-	-	2,500	-	-
132 Ave (Balsam - 236) - Fern Crescent (Design)	-	200	-	-	-
136 Ave (224 - 400M E 224)	-	-	1,891	-	-
136 Ave (224 - 400M E 224) (Design)	100	-	-	-	-
203 St (Lougheed - Golden Ears Way) Phase 3	500	-	-	-	-
207 St S of Lougheed	90	-	-	-	-
216 at S Alouette River (Bridge Replace)	-	-	-	-	850
216 St (124 - 128) Ornamental Street Lights	-	-	-	-	116
224 St (122 - Abernethy)	-	-	-	154	-
224 St at 132 Ave (N Alouette Bridge)	-	-	-	2,823	-
224 St at 132 Ave (N Alouette Bridge) (Design)	-	250	-	-	-
228 St (12100 Block)	6	-	-	-	-
232 St (132 - Silver Valley Rd) Phase 2	-	5,710	-	-	-
232 St at Abernethy Pedestrian Signal	-	-	-	-	80
233 St (132 - Larch) (Design)	-	100	-	-	-
240 St DTR Intersection Alignment	50	-	-	-	-
287 St Bridge Replacement	-	200	-	-	-
Abernethy (224 - 227)	-	-	-	-	1,579
Abernethy (227 - 232)	-	-	-	-	2,503
Abernethy Way (224 - 232) (Design)	-	-	500	-	-
Access Culverts	29	30	30	30	30
Bridge Repairs Struct Upgrade	150	150	150	150	150
Cycling Improvements	100	100	100	100	100
Dewdney Trunk at 238B St	-	-	200	-	-
Dewdney Trunk at 272 St (Kanaka Creek Bridge) (Design)	-	350	-	-	-
Dewdney Trunk at Burnett Traffic Signal	-	277	-	-	-
Ditton St Rail Crossing Upgrade	-	-	-	-	50
Emergency Traffic Pre-Empt	50	50	50	50	50
Equip Purch - Asphalt Patcher	-	-	-	-	165
Equip Purch - Fleet	1,692	1,259	1,642	1,017	1,136
Fern Crescent (236 - 240) (F)	-	-	-	4,600	-
Fern Crescent (236 - 244) (Fibre)	-	-	-	42	-
Haney Bypass at 222 - Traffic Upgrade	-	-	-	-	45
Illuminated Street Signs Program	10	10	10	10	10
Laity St (117 - Lougheed)	-	-	-	-	222
Local Area Service - Road	250	250	250	250	250
Lougheed (203 - 222) Street Lighting	-	-	626	-	-
Lougheed 228 St Access Signal Improv	-	12	-	-	-
Material Crushing	-	-	-	-	200
Pavement Management	-	30	-	-	-
Pedestrian Improvements	400	400	400	400	400
Princess St (Wharf - Lorne)	-	-	-	129	-
Private Driveway Crossings	37	38	38	38	38
River Rd (223 - 224)	-	-	-	350	-

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Highways (cont)					
River Rd Traffic Corridor Improvements	350	400	-	-	-
Road Rehabilitation Program	1,429	1,918	3,049	2,677	2,725
Sidewalk Replacement	90	90	90	90	90
Skillen Urban Road Upg Wicklund	-	-	-	-	25
Street Lighting Upgrade Program	50	50	50	50	50
Streetlight Pole Replace Program	50	50	50	50	50
Telep Ave (202 - 100 M West 203 St)	-	-	-	-	78
Traffic Calming Program	-	50	50	50	50
Traffic Signal Replacements	90	90	90	90	90
Highways	12,824	12,195	11,766	13,695	11,759
Sewer					
225 St PS and River Rd FM Capacity Upgrade Study Pre-design	100	-	-	-	-
225 St Pump Station Foreceman and Gravity Sewer Phase 2	-	-	-	7,000	-
232 St (Sections north of 126th)	-	250	-	-	-
240 St Sewer Upgrades (109 Ave to S of Bridge)	350	-	-	-	-
Cottonwood Dr (115 - 116)	-	-	-	61	-
Emergency stand by generators	150	-	-	-	-
Flow Monitoring	25	-	-	-	-
Gas Detectors - Sewage	8	-	-	-	-
Inflow and Infiltration Monitoring	-	-	50	-	-
Inflow and Infiltration Reduction Program - Areas A K	-	-	50	-	-
Local Area Service - Sewer	250	250	250	250	250
North Slope Interceptor Capacity Upgrade	-	500	-	-	-
North Slope Interceptor Capacity Upgrade (Design)	40	-	-	-	-
NSI Backwater Sensitivity Analysis	15	-	-	-	-
Private Sewer Connections	95	97	97	97	97
River Rd Kanaka Creek to McKay	1,800	-	-	-	-
Royal Cres East of 225th	115	-	-	-	-
SCADA Replacement Program	66	66	66	66	66
Sewage System Rehabilitation	-	288	288	288	288
Sewer SE of Leisure Centre	-	25	-	-	-
System Assessment and Review	25	-	-	-	-
Sewer	3,039	1,475	800	7,761	701
Water					
108 Ave Main - Grant to Albion Zone and PRV	500	-	-	-	-
112 Ave Loop to 110 Ave	-	140	-	-	-
124 Ave Water Main Looping at 260th	-	-	-	-	360
224 St (122 - 124) WM Replacement	330	-	-	-	-
232 St (136 - Silver Valley)	35	-	-	-	-
238 - 239 Water Main Looping (126 Ave alignment)	-	150	-	-	-
240A to 241A Water Main Looping (113B Ave alignment)	-	-	160	-	-
260 St Watermain Upgrades, DTR to south	-	-	200	-	-
263 Pump Station Upgrade	50	1,400	-	-	-

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Section > Project	2016	2017	2018	2019	2020
Water (cont)					
270A St Pump Station Capacity Upgrade	-	50	1,450	-	-
270A St Reservoir	2,400	-	-	-	-
84m Zone Pressure Regulation	25	-	-	-	-
Ansell St (124 - 125)	-	230	-	-	-
CL2 Equipment Replacement Program	50	50	50	-	-
Fisherman Rd Looping	-	-	-	225	-
Foreman Dr at 232 Street PRV	100	-	-	-	-
Gas Detectors - Water	8	-	-	-	-
Grant Mountain Reservoir Cell No 2	-	-	-	-	1,700
Local Area Service - Water	250	250	250	250	250
McNutt Reservoir Expansion	1,000	-	-	-	-
Operations Field Communications	20	-	-	-	-
Private Water Connections	188	192	192	192	193
PRV Upgrade Program	-	50	50	50	50
River Rd Seismic Event Automatic Isolation Valves	-	-	-	20	-
Seismic Upgrade Program	150	150	150	150	150
Water Pump Station Upgrades	60	60	60	60	60
Water Remote Security Program	50	50	50	50	50
Water System Improvement Program	40	25	25	-	-
Watermain Replacement Program	300	300	300	300	300
Water	5,556	3,097	2,937	1,297	3,113
Total Capital Program	30,712	27,518	23,701	29,515	26,302