

CITY OF MARKHAM
2021 CAPITAL AND OTHER PROGRAMS BUDGET
by Department

#	Project Description	Total	Tax	Life Cycle	DC - Reserve	DC - Developer	Other	Description of Other Funding
Projects Under Consideration								
Development Services								
<i>Culture</i>								
21001	Culture Public Art Master Plan Implementation Phase 2 of 5	204,700					204,700	Public Art Acq. Res. Fund
	TOTAL Culture	204,700	-	-	-	-	204,700	
<i>Museum</i>								
21002	Museum - Various Buildings	86,300		86,300				
21003	Museum Maintenance	36,700		36,700				
	TOTAL Museum	123,000	-	123,000	-	-	-	
<i>Theatre</i>								
21005	Theatre Stage & Building Maintenance	43,800		43,800				
	TOTAL Theatre	43,800	-	43,800	-	-	-	
<i>Arts Centres</i>								
21007	Gallery Lobby Maintenance	29,200		29,200				
21008	Gallery McKay Heating and Cooling System	5,300		5,300				
	TOTAL Arts Centres	34,500	-	34,500	-	-	-	
<i>Planning</i>								
21009	Consultant Studies	72,000			64,800		7,200	Development Fees
21010	Designated Heritage Property Grant Program -2021	30,000					30,000	Designated Heritage Prop Grant
21011	Heritage Façade Improvements/Sign Replacement - 2021	10,000		10,000				
21012	Housing Strategy - Inclusionary Zoning	50,900			45,810		5,090	Development Fees
21013	Langstaff Master Plan and Secondary Plan Review	508,800			457,920		50,880	Development Fees
21014	Markham Centre Community Energy Plan	161,700			145,530		16,170	Development Fees
21015	Parkland Study Update	101,800			91,620		10,180	Development Fees
21016	Planning & Design Staff Salary Recovery	786,300			786,300			
21017	Secondary Plans - General	101,800			91,620		10,180	Development Fees
21018	Yonge Corridor Secondary Plan	203,500			183,150		20,350	Development Fees
	TOTAL Planning	2,026,800	-	10,000	1,866,750	-	150,050	
<i>Design</i>								
21019	Berczy Beckett Park (Cherna Ave.) - Design & Construction	405,400			364,860		40,540	Parks Cash-in-Lieu; Note 1
21020	Blodwen Davies Park - Construction	1,681,800			1,513,620		168,180	Parks Cash-in-Lieu
21021	Celebration Park - Construction	7,585,300			6,826,770		758,530	Parks Cash-in-Lieu
21022	Green Lane Park - Design and Construction	501,300			451,170		50,130	Parks Cash-in-Lieu; Note 2
21023	Yonge and Grandview Park - Design and Construction	581,400			523,260		58,140	Parks Cash-in-Lieu; Note 3
	TOTAL Design	10,755,200	-	-	9,679,680	-	1,075,520	

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Engineering								
21024	Copper Creek Drive Reconfiguration (Road Diet)	152,900			152,900			
21025	Cycling & Pedestrian Advisory Committee (CPAC)	25,400			16,510		8,890	Non-DC Growth
21026	Engineering Staff Salary Recovery	713,700			713,700			
21042	Hwy 404 Collector Road (Design)	1,475,000			1,475,000			
21027	Installation of Way Finding Signs at Rouge Valley Trail	182,900			118,885		64,015	Non-DC Growth
21028	LPAT Transportation Peer Review	344,300			344,300			
21030	Markham Cycles & Active Transportation Awareness Program	15,300			9,945		5,355	Non-DC Growth
21031	Markham Cycling Day	10,200			6,630		3,570	Non-DC Growth
21032	New Traffic Signals (Design)	59,100			59,100			
21033	Secondary Plan Transportation Studies for Langstaff Gateway	576,300			576,300			
21034	Secondary Plan Transportation Studies for Yonge Corridor	576,300			576,300			
21035	Servicing & SWM Study for the Highway 404 N. Sec. Plan	344,300			344,300			
21036	Servicing & SWM Study for Yonge Corridor Sec. Plan	514,900			514,900			
21037	Servicing and SWM Study for Langstaff Secondary Plan	514,900			514,900			
21038	Sidewalk Program (Design)	509,400			509,400			
21039	Smart Commute Markham-Richmond Hill	76,300			76,300			
21040	Streetlight Program (Construction)	497,800			497,800			
21041	Various walking & cycling initiatives	45,800			29,770		16,030	Non-DC Growth
21178	Traffic Operational Improvements - Annual	51,800	51,800					
TOTAL Engineering		6,686,600	51,800	-	6,536,940	-	97,860	
TOTAL Development Services		19,874,600	51,800	211,300	18,083,370	-	1,528,130	
CAO, Legal & HR								
Human Resources								
21043	Diversity Action Plan Refresh	101,800	101,800					
TOTAL Human Resources		101,800	101,800	-	-	-	-	
TOTAL CAO, Legal & HR		101,800	101,800	-	-	-	-	
Corporate Services								
ITS								
21044	ITS Life Cycle Asset Replacement	1,739,900		1,391,900			348,000	\$104k WW, \$244k Dev./Build. Fee
TOTAL ITS		1,739,900	-	1,391,900	-	-	348,000	
Finance								
21045	Development Charges Background Study	122,100			109,890		12,210	Non-DC Growth
21046	Internal Project Management	943,700			943,700			
TOTAL Finance		1,065,800	-	-	1,053,590	-	12,210	

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Asset Management								
21047	Building Condition Audit - FTE	149,800		149,800				
21048	Civic Centre Repair and/or Replacement Projects	366,900		366,900				
21050	Cornell C.C. Parking Garage - Construction	1,996,800	1,095,096		782,704		119,000	Carryforward from Project 20117
21051	Corporate Security Operations & System Upgrades	584,400		584,400				
21052	Fire Facilities Repair and/or Replacement Projects	38,000		38,000				
21053	Library Facilities Repair and/or Replacement Projects	44,900		44,900				
21054	Municipal Building Backflow Prevention - Annual Testing	20,400		20,400				
21055	Operations Facilities Repair and/or Replacement Projects	538,100		538,100				
21056	Operations Fuel Sites Monitoring	72,200	72,200					
21057	Other Facilities Repair and/or Replacement Projects	51,000		51,000				
21058	Parking Lot Light Replacement	89,800		89,800				
21059	Roofing Maintenance and Repair	122,400		122,400				
21060	Roofing Replacement Projects	757,400		757,400				
21061	Satellite Community Centre Repair and/or Replacement	15,300		15,300				
21062	Tennis Clubhouse Repair and/or Replacement Projects	6,700		3,350			3,350	Tennis Club
	TOTAL Asset Management	4,854,100	1,167,296	2,781,750	782,704	-	122,350	
	TOTAL Corporate Services	7,659,800	1,167,296	4,173,650	1,836,294	-	482,560	
Community & Fire Services								
Fire & Emergency Services								
21064	Air Cylinders 45+ Minutes Replacement	101,700		101,700				
21065	Arizona Vortex Tripod Replacement	7,400		7,400				
21066	Bunker Gear Life Cycle Replacement	89,200		89,200				
21067	Firefighting Tools & Equipment Replacement	101,700		101,700				
21068	Hazardous Materials Photo Ion Detector Replacement	5,400		5,400				
21069	Replacement of Equipment due to Staff Retirements	99,600		99,600				
21070	Rescue Equipment - Thermal Image Cameras	19,000		19,000				
	TOTAL Fire & Emergency Services	424,000	-	424,000	-	-	-	
Recreation Services								
21072	Angus Glen C.C. Arena Seating Replacement	221,800					221,800	Gas Tax
21073	Angus Glen C.C. Sand Filter Component Replacement	45,600		45,600				
21074	Angus Glen C.C. Snow Pit Heating Coil Replacement	57,000		57,000				
21075	Angus Glen Tennis Centre Court Re-Painting	40,700		40,700				
21076	Armadale C.C. Gym Interior Door	13,200		13,200				
21077	Camp Chimo High Ropes and Harness Replacement	8,100		8,100				
21078	Centennial C.C. Mechanical Replacement	121,500					121,500	Gas Tax
21079	Cornell C.C. Heat Exchanger Replacement	12,200					12,200	Gas Tax
21080	Heintzman House Washroom Refurbishment	37,000					37,000	Gas Tax
21081	Markham Village C.C. Dehumidification Unit Replacement	84,800					84,800	Gas Tax
21082	Markham Village C.C. Security System Replacement	32,100		32,100				
21083	Mt. Joy C.C. Arena Compressor Replacement	167,900					167,900	Gas Tax
21084	Mt. Joy C.C. Gas Monitor Replacement	5,200		5,200				
21085	Old Unionville Library Doors and Frames Replacement	44,800					44,800	Gas Tax
21086	Recreation AED Program Replacement	6,000		6,000				
21087	Recreation Aquatics Equipment Replacement	19,000		19,000				

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21088	Recreation Exterior Walkways Replacement	163,800					163,800	Gas Tax
21089	Recreation Fitness Equipment Replacement	161,800		161,800				
21090	Recreation Floor Cleaning Machine Replacements	18,300		18,300				
21091	Recreation Lifeguard Chair Replacement	34,800		34,800				
21092	Recreation Pool Grouting Replacement	11,000		11,000				
21093	Recreation Program Equipment Replacement	53,600		53,600				
21094	Recreation Tables and Chairs Replacement	34,000		34,000				
21095	Rouge River C.C. Mechanical Replacement	297,900					297,900	Gas Tax
21096	Thornhill C.C. Ice Equipment Replacement	6,300		6,300				
21097	Thornhill C.C. Retaining Wall Installation	330,700	198,420				132,280	Disaster Mit. Adaptation Fund
21098	Thornhill C.C. Rubber Floor Replacement	158,800		158,800				
TOTAL Recreation Services		2,187,900	198,420	705,500	-	-	1,283,980	
Markham Public Library								
21099	Library Collections	2,806,300		2,806,300				
21100	Library Furniture, Equipment & Shelving Replacement	146,700		146,700				
TOTAL Markham Public Library		2,953,000	-	2,953,000	-	-	-	
Operations - Roads								
21101	Asphalt Resurfacing	3,657,900		-			3,657,900	Gas Tax; Note 4
21102	Boulevard Repairs	58,400					58,400	Gas Tax
21103	Bridge Structure Preventative Maintenance - Roads	25,800		25,800				
21104	City Owned Entrance Feature Rehabilitation/Replacement	10,200		10,200				
21105	City Owned Fence Replacement Program	63,900		63,900				
21106	Citywide Ditching Program	91,400		91,400				
21107	Don Mills Storm Channel	35,400		35,400				
21108	Emergency Repairs	143,300		143,300				
21109	Guiderail- Install/Repair/Upgrade	90,900					90,900	Gas Tax
21110	Incremental Growth Related Winter Maintenance Vehicles	459,000			459,000			
21111	Localized Repairs - Curb & Sidewalk	876,400					876,400	Gas Tax
21112	Localized Repairs - Parking Lots	119,200		119,200				
21114	Retaining Wall Repair Program	80,200		80,200				
21115	Storm Water Retention Pond Maintenance Program	51,900		51,900				
TOTAL Operations - Roads		5,763,900	-	621,300	459,000	-	4,683,600	
Operations - Parks								
21116	Backstop and Outfield Fence Replacement	144,000					144,000	Gas Tax
21117	Beaupre Park Waterplay Replacement	190,700					190,700	Gas Tax
21118	Bleachers (Metal) Replacements	22,900		22,900				
21120	Boulevard/Park Trees Replacement	359,400		359,400				
21121	Bridge Structure Preventative Maintenance in Parks	25,800		25,800				
21122	Cemetery Fence Repair/Replacement	40,700		40,700				
21123	City Park Furniture / Amenities	175,000		175,000				
21124	Court Resurfacing/Reconstruction/Maintenance	176,900		94,600			82,300	Tennis Clubs
21125	Fence (Tennis Courts)	135,800					135,800	Gas Tax
21126	Floodlights, Poles & Cross Arms Replacement	820,700					820,700	Gas Tax
21127	Goal Posts Replacement- Ashton Meadows Park	20,700					20,700	Gas Tax
21128	Markham Trees for Tomorrow	121,500					121,500	Landscape Recovery

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21129	Pathways Resurfacing	142,700					142,700	Gas Tax
21130	Playstructure Replacement	366,800					366,800	Gas Tax
21131	Recycling Containers Replacement (Yr 4 of 10)	16,900		16,900				
21132	Relamping & Fixtures Refurbishment	40,100		40,100				
21133	Shade Structure Rehabilitation and/or Replacement	111,700		111,700				
21134	Sportsfield Maintenance & Reconstruction	140,300		140,300				
21135	Stairway Repairs	229,200		229,200				
<u>TOTAL Operations - Parks</u>		3,281,800	-	1,256,600	-	-	2,025,200	
Operations - Fleet								
21136	Corporate Fleet Growth - Non-Fleet	10,200			10,200			
21137	Corporate Fleet Refurbishing	37,000		37,000				
21138	Corporate Fleet Replacement - Fire	2,723,900		2,723,900				
21139	Corporate Fleet Replacement - Ice Resurfacing Machine	102,100		102,100				
21140	Corporate Fleet Replacement - Non-Fire	1,334,800		1,334,800				Note 6
21141	Corporate Fleet Replacement - Waterworks	216,200					216,200	Waterworks
21142	New Fleet - Parks	45,800			45,800			
<u>TOTAL Operations - Fleet</u>		4,470,000	-	4,197,800	56,000	-	216,200	
Operations - Utility Inspection & Survey								
21143	Survey Monument Replacement	28,200		28,200				
<u>TOTAL Operations - Utility Inspection & Survey</u>		28,200	-	28,200	-	-	-	
Operations - Business & Technical Services								
21144	Growth Related Park Improvements	478,300			430,470		47,830	Non-DC Growth
<u>TOTAL Operations - Business & Technical Services</u>		478,300	-	-	430,470	-	47,830	
Environmental Services - Infrastructure								
21145	Bridges and Culverts - Condition Inspection	81,000		81,000				
21146	MNRF Monitoring for Capital Projects at Water Crossings	27,600		27,600				
21147	Small Culverts Replacement (8 Structures) - Construction	215,700		215,700				
21148	Storm & Sanitary Pumping Stations - Equipment Inspection	116,000		40,700			75,300	Waterworks Reserve
21149	Storm and Sanitary Sewer CCTV Inspection	652,800		215,100			437,700	Waterworks Reserve
21150	Stormwater Sewer Pipes Emergency Repairs	56,100		56,100				
21151	Streetlights - Miscellaneous Requests	101,800	101,800					
21152	Structures Program-Full-time Staff	148,100		148,100				
21153	Toogood Pond Dam - Rehabilitation Works	437,400		437,400				
21154	Toogood Pond Dam - Structural Inspection	9,800		9,800				
<u>TOTAL Environmental Services - Infrastructure</u>		1,846,300	101,800	1,231,500	-	-	513,000	
Environmental Services - Stormwater								
21155	Don Mills Channel - Flood Proofing Site Investigation	124,900					124,900	Stormwater Fee
21156	Don Mills Channel Flood Control Program -Pond Design/CA	1,160,000					1,160,000	SW Fee \$696k, DMFA Grant \$464k
21157	Erosion Restoration Program	898,800		314,500	584,300			
21158	Oil Grit Separators (OGS) - Inspection and Cleaning	219,800					219,800	Gas Tax
21159	Swan Lake Chemical Treatment	259,500		259,500				

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21160	SWM Pond Cleaning Design & CA - ID#47 & #119	152,600					152,600	Gas Tax
21161	SWM Ponds - Condition Inspection	26,500		26,500				
21162	Water Quality Improvements	41,100		41,100				
21163	Water Quality Monitoring	28,100		28,100				
21164	West Thornhill Flood Control Implementation - Ph 3B Cons.	4,029,600					4,029,600	Stormwater reserve
21165	West Thornhill Flood Control Implementation - Ph 4A Cons.	15,655,900					15,655,900	\$2M Gas tax;\$13.7M SW reserve
TOTAL Environmental Services - Stormwater		22,596,800	-	669,700	584,300	-	21,342,800	
Environmental Services - Waste								
21166	Incremental Growth Related Waste Management Vehicles	102,000			102,000			
TOTAL Environmental Services - Waste		102,000	-	-	102,000	-	-	
Environmental Services - Waterworks								
21167	Cathodic Protection of Ductile Iron Watermains	493,100					493,100	Waterworks Reserve
21168	CI Watermain Rehabilitation / CIPP Lining - Construction & CA	6,623,300					6,623,300	Waterworks Reserve
21169	CI Watermain Replacement - Design	447,700					447,700	Waterworks Reserve
21170	CI Watermain Replacement-West Thornhill Ph 3B	4,036,300					4,036,300	Waterworks Reserve
21171	Curb Box Inspection and Replacement Program	714,900					714,900	Waterworks Reserve
21172	Royal Orchard Sanitary Upgrades (West Thornhill - Ph. 4A)	3,471,000				3,471,000		
21173	Sanitary Sewers - Rehabilitation	1,405,000					1,405,000	Waterworks Reserve
21174	Wastewater Flow Monitoring	122,200					122,200	Waterworks Reserve
21175	Water Meters - Replacement Program	1,013,200					1,013,200	Waterworks Reserve
21176	Watermain Leak Detection Program	37,500					37,500	Waterworks Reserve
TOTAL Environmental Services - Waterworks		18,364,200	-	-	-	3,471,000	14,893,200	
TOTAL Community & Fire Services		62,496,400	300,220	12,087,600	1,631,770	3,471,000	45,005,810	
Corporate Wide								
21177	Corporate Capital Contingency	1,362,500	5,200	30,400	1,206,461		120,439	Various Other Internal; Note 7
TOTAL Corporate Wide		1,362,500	5,200	30,400	1,206,461	-	120,439	
TOTAL Projects Under Consideration		91,495,100	1,626,316	16,502,950	22,757,895	3,471,000	47,136,939	
Pre-Approved Projects								
Development Services								
Theatre								
21004	Theatre Fire Alarm 2 Stage Conversion	25,400		25,400				
TOTAL Theatre		25,400	-	25,400	-	-	-	
Design								
21019	Berczy Beckett Park (Cherna Ave.) - Design & Construction	59,800			53,820		5,980	Parks Cash-in-Lieu; Note 1
21022	Green Lane Park - Design and Construction	48,000			43,200		4,800	Parks Cash-in-Lieu; Note 2
21023	Yonge and Grandview Park - Design and Construction	56,500			50,850		5,650	Parks Cash-in-Lieu; Note 3

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	<u>TOTAL Design</u>	164,300		-	147,870		16,430	
Engineering								
21029	Markham Centre Trail Phase 1B Construction	816,000			530,400		285,600	Section 37
	<u>TOTAL Engineering</u>	816,000		-	530,400		285,600	
	<u>TOTAL Development Services</u>	1,005,700	-	25,400	678,270		302,030	
Corporate Services								
Asset Management								
21049	Civic Centre Vestibule Repairs and/or Replacements	290,700		290,700				
21063	Theatre-HVAC Replacement	2,000,000		91,200			1,908,800	Gas Tax
	<u>TOTAL Asset Management</u>	2,290,700		381,900	-		1,908,800	
	<u>TOTAL Corporate Services</u>	2,290,700		381,900	-		1,908,800	
Community & Fire Services								
Fire & Emergency Services								
21071	SCBA Decontamination Machine	63,300	63,300					
	<u>TOTAL Recreation Services</u>	63,300	63,300	-			-	
Operations - Roads								
21101	Asphalt Resurfacing	3,157,900		100,000			3,057,900	Gas Tax; Note 4
21113	Parking Lots- Rehabilitation	678,900					678,900	Gas Tax; Note 5
	<u>TOTAL Operations - Roads</u>	3,836,800	-	100,000	-	-	3,736,800	
Operations - Parks								
21119	Block Pruning Initiative - Year 2 of 3	1,017,600	1,017,600					
	<u>TOTAL Operations - Parks</u>	1,017,600	1,017,600	-				
Operations - Fleet								
21140	Corporate Fleet Replacement - Non-Fire	285,900		285,900				Note 6
	<u>TOTAL Operations - Fleet</u>	285,900		285,900				
	<u>TOTAL Community & Fire Services</u>	5,203,600	1,080,900	385,900	-	-	3,736,800	
Corporate Wide								
Corporate Wide								
21177	Corporate Capital Contingency	194,600		12,200			182,400	Gas Tax; Note 7
	<u>TOTAL Corporate Wide</u>	194,600	-	12,200	-		182,400	

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	TOTAL Corporate Wide	194,600	-	12,200	-	-	182,400	
	TOTAL Pre-Approved	8,694,600	1,080,900	805,400	678,270	-	6,130,030	
	TOTAL Projects Under Consideration	100,189,700	2,707,216	17,308,350	23,436,165	3,471,000	53,266,969	

Notes:

- 1) The overall project budget is \$465,200. The pre-approval request of \$59,800 is for consulting work only.
- 2) The overall project budget is \$549,300. The pre-approval request of \$48,000 is for consulting work only.
- 3) The overall project budget is \$637,900. The pre-approval request of \$56,500 is for consulting work only.
- 4) The overall project budget is \$6,815,800. The pre-approval request of \$3,157,900 is to commence procurement of contracts earlier to potentially attain better pricing. Funding split of Life Cycle vs. Gas Tax funding has been updated since Council approval of the Capital Pre-Approval Report from \$224,340; \$2,933,560 to \$100,000; \$3,057,900
- 5) Funding source has been updated since Council approval of the Capital Pre-Approval Report from fully Life Cycle funded to fully Gas Tax funded
- 6) The overall project budget is \$1,620,700. The pre-approval request of \$285,900 is to commence procurement of articulating loader earlier to potentially attain better pricing.
- 7) The overall project budget is \$1,557,100. The pre-approval request of \$194,600 represents the contingency amounts required for all project pre-approval requests.