	Project	Project Description	Total	Operating Non-Life Cycle	Operating Life Cycle DCA	Developer	Other
<b>Development Services</b>	<u>s</u>						
Planning							
	13000	Consultant Studies	63,000		56,700		6,300
	13001	OMB Hearings Development Application	73,000		65,700		7,300
	13002	Heritage Façade Improvements/Sign Replacement	50,000	50,000			
	13003	Consolidated Zoning By-law Program	150,000	30,000			120,000
	13004	Official Plan - OMB	650,300		610,300		40,000
	13005	Growth Monitoring Program & Data Collection	20,000		18,000		2,000
	13006	Designated Heritage Property Grant Program Yr 4 of 4	30,000				30,000
	13007	Future Urban Areas - Phase 1 of 5	400,000		360,000		40,000
	13008		260,000		234,000		26,000
		Planning Total	1,696,300	80,000	1,344,700		271,600
Design							
· ·	13010	Wismer Community Park and Maintenance Building Const.	2,460,600	246,060	2,214,540		
	13011	Kirkham Drive Park Phase 2 Construction	3,544,300	354,430	3,189,870		
	13012	Box Grove Community Park - Design	553,800	55,380	498,420		
	13013	Sports Park - Studies / E.A.s / Consultation	553,800	55,380	498,420		
	13014	Box Grove S. E. Heritage House Parkette - Construction	493,900	49,390	444,510		
	13015	Reimbursement to Ruland Prop. for Park in M. C.	655,600	65,560	590,040		
	13016	Major Wood Cathedraltown Park - Design	108,800	10,880	97,920		
	13017	Highway 48 Parkland (north of Museum)	356,500	35,650	320,850		
		Design Total	8,727,300	872,730	7,854,570		
Engineering	g						
	13020	Midland Avenue - Steeles to Old Kennedy (EA)	111,800		111,800		
	13021	Yorktech Drive Extension (EA)	245,900		245,900		
	13022	Hwy 404 Mid-Block Crossing, N of Hwy 7 CA & Const	7,988,400		2,662,800		5,325,600
	13023	Helen Avenue Reconstruction (Construction)	676,100		560,000		116,100
	13024	Church Street - 9th Line to Bur Oak (Design)	239,700		239,700		
	13025	19th Avenue Improvements (EA)	253,000		253,000		
	13026	Main St Mkm, Major Mac to Don Cousens Pkwy (Design)	253,000		253,000		
	13027	Transportation Studies	275,300		275,300		
	13028	Markham Transportation Strategic Plan Implementation	77,200		77,200		
	13029	Hwy 404 Crossing (EA and Design)	568,800		568,800		
	13030	Warden Avenue Sewer, Steeles to Hwy 407 (EA and Design)	438,900		438,900		
	13031	Milliken Centre - Sanitary Sewer Upgrade (EA and Design)	309,800		309,800		
	13032	Steeles East Corridor, Sanitary Sewer Upgrade EA & Design	314,900		314,900		
	13033	Official Plan & Secondary Plan Engineering Studies	1,679,000		1,679,000		
	13034	Main Street Mkm, Bullock Drive to 16th Ave. Storm Sewer	1,440,000				1,440,000
	13035	Hwy 7 & Rodick / 404 North Sewer Diversion (Construction)	757,700		757,700		
	13036	` 1 6	1,378,800				1,378,800
		Engineering Total	17,008,300		8,747,800		8,260,500
		Development Services Total	27,431,900	952,730	17,947,070		8,532,100

Project Project Description	a a	Total	Operating Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
CAO, Legal, HR, & Sustainability Office		101111			DCA	Developer	Other
Sustainability Office							
13101 PowerStream Emb	edded Energy Projects	152,600					152,600
	Sustainability Office Total	152,600					152,600
	·	,					
CAO, I	egal, HR, & Sustainability Office Total	152,600					152,600
Corporate Services							
ITS-Building Services							
13810 Paperless Plan Rev	iew & Document storage - Phase 1 of 3	36,600					36,600
	ITS-Building Services Total	36,600					36,600
ITS-HR							
13811 Human Resources	System (Phase 2 of 3)	400,000	320,000				80,000
13011 Human Resources	ITS-HR Total	400,000	320,000				80,000
		100,000	220,000				00,000
ITS-Finance							
13812 Payment Card Indu	astry Compliance - Phase 1 of 3	121,600	97,323				24,277
	ITS-Finance Total	121,600	97,323				24,277
Imo I II d							
ITS-Legislative	00 Worden Online Meeting Room Dealring	14 200	11 260				2 840
13813 Civic Centre & 810	00 Warden Online Meeting Room Booking ITS-Legislative Total	14,200 14,200	11,360 11,360				2,840 <b>2,840</b>
	113-Legislative Total	14,200	11,500				2,040
ITS-Museum							
13814 Audio Archives Di	gitization	100,000	50,000				50,000
	ITS-Museum Total	100,000	50,000				50,000
ITS-Recreation	1007		<b>-</b> 0.000				
13815 Recreation/ITS CL		50,900	50,900				
	ITS-Recreation Total	50,900	50,900				
ITS-Library							
•	Selfcheck Units & Staff Workstations	142,500		142,500			
	Mills Branch RFID Selfcheck Units	40,700	40,700	- 1-,- 1			
	nputers (PAC) Management System addons	42,700	42,700				
	ITS-Library Total	225,900	83,400	142,500			
ITS-Fire		11.000	11.200				
13820 Fire - Mobile Print		11,200	11,200				
	ITS-Fire Total	11,200	11,200				

Project Project Description	Total	Operating Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
ITS-Operations	10000	<i>v v</i>		2011	Develope.	
13821 Fuel Dispensing System Upgrade (Phoenix)	26,300	26,300				
13822 GPS Units for Operations	21,300	21,300				
ITS-Operations Total	47,600	47,600				
ITS-Asset Management						
13823 Upgrade Building Automation System (BAS) Software	17,900	17,900				
13824 Eclipse- Upgrade, Additional Training, Customized Reports	30,500	30,500				
ITS-Asset Management Total	48,400	48,400				
ITS-Waste & Environmental Management						
13825 Radio Frequency Identification (RFID) Collection Service	70,000					70,000
ITS-Waste & Environmental Management Total	70,000					70,000
						,
ITS-Waterworks						
13826 GPS Handheld Devices	27,000					27,000
13827 Mobile Work Management Software	50,900					50,900
ITS-Waterworks Total	77,900					77,900
ITS-Other						
13828 ITS Core Base Architecture	797,200		624,055			173,145
ITS-Other Total	797,200		624,055			173,145
ITS Department Total	2,001,500	720,183	766,555			514,762
TIS Department Total	2,001,000	720,100	700,000			511,762
Finance / Asset Management						
13805 Internal Project Management	812,300			812,300		
Financial Services Total	812,300			812,300		
Corporate Communications						
13800 Great Hall Implementation of Multimedia Phase 2 of 2	56,000	44,800				11,200
Corporate Communications Total	56,000	44,800				11,200
Corporate Services Total	2,869,800	764,983	766,555	812,300		525,962
	2,000,000	701,200	700,000	012,000		520,762
Community & Fire Services						
Culture						
13212 Public Art	100,000	100,000				
Culture Total	100,000	100,000				
Museum						
13220 Museum Artifact Restoration	30,000		30,000			
13221 Museum Exhibitions	15,000		15,000			
13222 Museum Building Maintenance Program	101,800		101,800			
13225 Museum Pottery Project (Phase 2 of 2)	100,000		100,000			
Museum Total	246,800		246,800			

Project	Project Description	Total	Operating Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
TEL 4							
Theatre	Theotic Floring Doulessment	00.600		00.600			
13231	Theatre Flooring Replacement	90,600		90,600			
13232	ı	68,700		68,700			
13233	1	20,400	00.200	20,400			
13234	Theatre seating replacement and accessibility upgrades	372,400	90,300	282,100			
13235	1 1 11	24,400	50,000	24,400			
13236	Theatre Front of the House Upgrade  Theatre Total	50,000 <b>626,500</b>	140,300	486,200			
	Theatre Total	020,500	140,300	400,200			
<b>Arts Centres</b>							
13200	Deacon Community Room and Kitchen Repairs	40,700		40,700			
13201	Building Automation System Panel Expansion Upgrade	23,400		23,400			
	Arts Centres Total	64,100		64,100			
Fire & Emergency S	Services						
	Breathing Air Cylinders	16,100		16,100			
	Firefighting Tools & Equipment Replacement	83,000		83,000			
13243		15,300	15,300	05,000			
13244		23,400	13,300	23,400			
13244	Fire & Emergency Services Total	137,800	15,300	122,500			
		,	,	,			
<b>Recreation Services</b>							
13501	1 0	64,700		64,700			
13502	1 1 1	33,600		33,600			
13503	1 1	92,000		92,000			
13504	C 1 1	49,900		49,900			
13505	1	43,800		43,800			
13506	, e	37,000	37,000				
13507	1 0	7,200		7,200			
13508	E	88,300		88,300			
13509	8	47,400		47,400			
	Old Unionville Library C.C - Interior Painting	5,200		5,200			
	Angus Glen - Snow clearing tractor	30,100		30,100			
	Angus Glen - seniors room flooring	22,300		22,300			
13513	Angus Glen Tennis Centre - snow brakes	30,500	3,050		27,450		
13514		8,800		8,800			
13515	Angus Glen Youth Centre Furniture	9,200		9,200			
13516		7,300		7,300			
13517	Thornhill Fitness Surveillance Equipment Replacement	11,900		11,900			
13518	Thornhill Recreation Area Facility Equipment	26,500		26,500			
13519	Thornhill Drinking fountains Replacement	5,300		5,300			
13520	Crosby lobby Security - Installation of double doors	7,100	7,100				
13521	Crosby Arena protective glass board and gate relocation	10,000	10,000				
	Milliken Mills Floor Machine	21,800		21,800			
13522	Williken Wills Floor Machine	21,000		,			
13522 13523		24,600		24,600			

Project	Project Description	Total	Operating Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
•	Markham Village C. C. Exterior Painting	20,600	<u> </u>	20,600			-
	Centennial C. C. Refurbish Cedar in Two Saunas	38,000		38,000			
	Centennial Pool Filter Replacement	71,200		71,200			
	Centennial C.C Renovation of Meeting Room 3.	15,800		15,800			
	Milliken Mills Fire Alarm System (Phase 1 of 2)	24,400		24,400			
	Milliken Mills Soccer Dome Shower Tiles and floor tiles	14,200		14,200			
	Recreation Services Total	1,001,000	57,150	916,400	27,450		
Recreation & Librar	y Construction						
	South East Markham Community Centre and Library	62,200,000		5,000,000	55,980,000		1,220,000
	Recreation & Library Construction Total	62,200,000		5,000,000	55,980,000		1,220,000
Markham Public Lil	nrarv						
	Replace Library Furniture and Equipment	64,300		64,300			
13251	Replace Library Shelving	64,300		64,300			
	Library Collections	1,943,100		1,943,100			
	Milliken Mills Library Information/Circulation Workstations	50,900		50,900			
	Markham Public Library Total	2,122,600		2,122,600			
<b>Operations - Roads</b>							
13451	Boulevard Repairs	52,900		52,900			
13452	City Owned Fence Replacement Program	120,000		120,000			
	Localized Repairs - Curb & Sidewalk	529,400		529,400			
	Asphalt Resurfacing	5,813,600		5,813,600			
	Parking Lots	213,800		213,800			
13457	Railway Crossing Improvements	52,900		52,900			
13458	Retaining Walls Program	72,700		72,700			
13459	Secondary Roadworks	254,400		,			254,400
13460	Storm Sewer Inspection	103,800		103,800			
13461	Don Mills Storm Channel	19,000		19,000			
13462	Upgraded Guiderail Installation	116,600		116,600			
13463	Bridge Structure Preventative Maintenance	47,500		47,500			
13464	Pavement Cond'n Inspect'n and Pvmt Mgmt System	105,700		105,700			
13465	Toogood Pond Bank Stabilization	51,000		51,000			
	Operations - Roads Total	7,553,300		7,298,900			254,400
<b>Operations - Parks</b>							
	Highgate Park Shelter	40,000	4,000		36,000		
13420	Playstructure & Safety Surface	747,300		747,300			
13421	City Park Furniture / Amenities	120,100		120,100			
13422	Bleachers (Metal) Replacement	20,800		20,800			
13423	Fence (Backstop) Replacement	88,200		88,200			
13424	Waterplay Rehabilitation	249,100		249,100			
13425	Court Resurfacing/Reconstruction	166,100		166,100			
13426	Dog Off Leash Area	50,900	10,900				40,000
13427	Volunteer Ice Rink Program	30,500	9,800				20,700
13428	Public Realm-Markham's Shared Places Our Spaces	300,000	300,000				

			Operating	Operating			
Project	Project Description	Total	Non-Life Cycle	Life Cycle	DCA	Developer	Other
13429	TRCA 50/50 Community Projects	40,000	20,000				20,000
	•	10,000	5,360				4,640
13431	Markham Trees for Tomorrow	120,000	82,500				37,500
13432	Sportsfield Maintenance & Reconstruction	113,600		113,600			
13433	Paving Pathways/Facilities & Stairways Repairs	136,400		136,400			
13434	Replacement/New Boulevard/Park Trees	97,600		97,600			
13435	Floodlights, Poles & Cross Arms Replacement	159,500		159,500			
13436	Electrical & Cabling	35,600		35,600			
13437	Fountain (Decorative) Replacement	30,000		30,000			
13438	Emerald Ash Borer Program	2,066,300		2,066,300			
13441	John Street Forestry Yard Restoration	147,600		147,600			
	Operations - Parks Total	4,769,600	432,560	4,178,200	36,000		122,840
<b>Operations - Traffic</b>							
	Purchase of 8 Speed Display Boards	57,000	57,000				
13470	Traffic Signal Equipment Replacement	310,400		100,717			209,683
13471	Traffic Control Signal Design & Construction	379,400			189,700		189,700
13472	Pedestrian Accessibility Improvement-Ph 3 of 6	412,100	258,900				153,200
	Operations - Traffic Total	1,158,900	315,900	100,717	189,700		552,583
<b>Operations - Fleet</b>							
13400	Corporate Fleet Refurbishing	33,600		33,600			
13401	Corporate Fleet Replacement - Non Fire	1,177,600		1,177,600			
13402	Corporate Fleet Replacement - Fire	3,617,000		3,617,000			
13403	Two New Fleet Vehicles - Fire	1,242,500		, ,	1,242,500		
13404	New Fleet - Operations Growth	64,700	6,470		58,230		
13405	Winter Maintenance Vehicles	200,000	,		200,000		
13406	Waterworks - Fleet Replacement	136,000			,		136,000
	New Fleet - Waterworks	50,900					50,900
	Operations - Fleet Total	6,522,300	6,470	4,828,200	1,500,730		186,900
Asset Mgmt - Facilit	v Assets						
_	Accessibility Retrofit Program	86,500		86,500			
	Bird Safe Film	50,900		50,900			
	Corporate Accommodations	320,500		320,500			
13303	Corporate Security Operations and System	137,400		137,400			
	Municipal Building Backflow Prevention Testing	71,200		71,200			
13305	8100 Warden Facility Improvements	91,000		91,000			
	Civic Centre Improvements	137,400		137,400			
	1						
	Fire Facility Improvements	182 600		[X7 600			
13307 13308	Fire Facility Improvements Library Facility Improvements	182,600 75,300		182,600 75,300			

Project Project Description	Total	Operating Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
13310 Other Facility Improvements	35,000		35,000			
13311 Recycling Depot Improvements	11,200		11,200			
13312 Roofing Maintenance and Repair	91,900		91,900			
13313 Roofing Replacement Projects	943,500		943,500			
13314 Satellite Community Centre Improvements	29,500		29,500			
13315 Facility Project Engineer - Contract (Year 2 of 3)	109,600		109,600			
13316 Building condition Audits - FTE	125,200		125,200			
13317 75 Clegg Facility	474,100		474,100			
13318 Markham Pan Am Centre - Construction (Year 1 of 2)	24,203,800			21,783,420		2,420,380
13319 Unionville Library - Lighting Improvements	43,200	43,200				
Asset Mgmt - Facility Assets Total	27,393,200	43,200	3,146,200	21,783,420		2,420,380
Asset Mgmt -Environmental Assets						
13360 SWM Guideline - Update	61,100			61,100		
13361 Don Mills Channel Class EA Study - Update	203,500		183,150	20,350		
13362 City-wide Stream Erosion Master Study - Update	103,800		103,800	,		
13363 SWM Pond Cleaning (ID#40) - Bridle Trail Phase 5 Pond	539,900		539,900			
13364 SWM Pond Cleaning (ID#56) - Daniels Rouge Subdiv. Pond	539,900		539,900			
13365 West Thornhill Flood Control Implementation	2,035,200		,			2,035,200
Asset Mgmt -Environmental Assets Total	3,483,400		1,366,750	81,450		2,035,200
Asset Mgmt - Right-of-way Assets						
13330 Bridges and Culverts - Condition Inspection	61,100		61,100			
13331 Bridge Rehabilitation ( B033 & B035) - Construction	749,000		749,000			
13332 Structures Rehabilitation (11 Structures) - Construction	364,300		364,300			
13333 Culverts Rehabilitation (10 Structures) - Design & Const	1,329,100		1,329,100			
13335 Storm Sewer Outfall Channel - Maintenance	72,700		72,700			
13336 Storm Sewer Outfall Structures - Rehabilitation	254,400		254,400			
13340 Streetlight Poles - Condition Inspection	57,600		57,600			
13341 Streetlights - Pole Replacement Program	158,300		158,300			
13342 Streetlighting - Miscellaneous Requests	50,900	50,900				
13343 Streetlights - Markham Heritage Estates Subdivision	73,100	20,200	73,100			
13344 Streetlights Underground Cables - Condition Inspection	52,900		52,900			
13345 Streetlights - Underground Cable Replacement/Repair	622,800		622,800			
13346 Streetlights - LED Conversion of Cobra-Head Fixtures	7,632,000		022,000			7,632,000
13350 Survey Monument Replacement	28,600		28,600			7,002,000
13351 Survey Instrument Replacement	15,600		15,600			
13355 ROW Assets - Structures Program-FTE	124,100		124,100			
13356 Environmental Assets - Storm Water Management-FTE	124,100		124,100			
13357 Former Sabiston Landfill - Management	232,900		232,900			
Asset Mgmt - Right-of-way Assets Total	12,003,500	50,900	4,320,600			7,632,000
Waste & Environmental Mgmt						
13602 Multi-Residential Organics Containers	40,400	16,000				24,400
13002 Multi-Residential Organics Containers						,
13603 Ground Hog Retrofit Pilot	80,000	40,000				40,000

Project	Project Description	Total	Operating Non-Life Cycle	Operating Life Cycle	DCA	Developer	Other
Waterworks							
13700	Watermain Construction Design	369,900					369,900
13701	Watermain Construction and Replacement Program	4,433,000					4,433,000
13702	Water System Upgrade Program	813,300					813,300
13703	Water System Physical Condition Assessment	100,000					100,000
13704	Water Meter Replacement/Upgrade Program	335,800					335,800
13705	Cathodic Protection of Iron Watermains Program	493,000					493,000
13706	Automated Meter Reading (AMR/AMI) Program	254,400					254,400
13707	Sanitary Trunk Sewer and Manhole Inspection	30,000					30,000
13708	Sanitary Sewer System Upgrade/Rehab Program	1,223,200					1,223,200
13709	Sanitary Lateral Inspection	305,300					305,300
13710	Bulk Water Sales Station	101,800					101,800
13714	Data Support - Phase 2 of 2	55,000					55,000
13716	* *	305,300					305,300
13717	Water System Hydraulic Modeling	101,800					101,800
13719	12 Month Wastewater Flow Monitoring	152,600					152,600
	Waterworks Total	9,074,400					9,074,400
	Community & Fire Services Total	138,577,800	1,217,780	34,198,167	79,598,750		23,563,103
	TOTAL	169,032,100	2,935,493	34,964,722	98,358,120		32,773,765