

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>City Wide</b>				
2005-2010	City Wide	Inspection & Maintenance	Inspection, Maintenance & Rehab	17,074
2005-2010	City Wide	Backwater Valve Pilot Project	Study	100
2011-2015	City Wide	WWTP Pump House		75,000
2011-2015	City Wide	Storm Event Response Group (SERG) Projects	Study	1,200
2011-2015	City Wide	Intensification Infrastructure Upgrades - Wastewater	Water/Wastewater Master Plan Projects	5,200
2011-2015	City Wide	Oversizing of Infrastructure - Wastewater	Water/Wastewater Master Plan Projects	500
2011-2015	City Wide	Annual Emergency Repairs - Cross Connections	Inspection, Maintenance & Rehabilitation	500
2011-2015	City Wide	Annual Municipal Drain Maintenance Program	Inspection, Maintenance & Rehabilitation	500
2011-2015	City Wide	Annual Roadside Drainage Improvement Program	Inspection, Maintenance & Rehabilitation	5,000
2011-2015	City Wide	Annual Sewer Condition Assessments	Inspection, Maintenance & Rehabilitation	11,000
2011-2015	City Wide	Annual Storm Water Management Program	Inspection, Maintenance & Rehabilitation	40,000
2011-2015	City Wide	Annual SWM Pond/Creek Maintenance Program	Inspection, Maintenance & Rehabilitation	1,600
2011-2015	City Wide	Annual Wastewater System Lining	Inspection, Maintenance & Rehabilitation	33,000
2011-2015	City Wide	City-Wide Erosion Assessment	Inspection, Maintenance & Rehabilitation	640
2011-2015	City Wide	City-wide Stormwater MP Implementation	Inspection, Maintenance & Rehabilitation	700
2011-2015	City Wide	Specific Area Planning Act/Class EA Integration and Coordination	Inspection, Maintenance & Rehabilitation	1,100
2011-2015	City Wide	Real Time Control		10,000
2011-2015	City Wide	Backwater Valves		3,000
2011-2015	City Wide	Accelerated Capital		20,000
2005-2010	City Wide	Inspection & Maintenance	Inspection, Maintenance & Rehab	17,074
2005-2010	City Wide	Backwater Valve Pilot Project	Study	100
				<u>243,288</u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

Ward	Description	Project Type	\$000
<b>WARD 1</b>			
2005-2010	1 Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	344
2005-2010	1 Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	161
2005-2010	1 Mainline (Lining)	Inspection, Maintenance & Rehab	4,077
2005-2010	1 Herkimer - Queen to Bay	Upgrades & Replacements	40
2005-2010	1 Magill Street / Crooks Street	Upgrades & Replacements	50
2005-2010	1 Ewen (McMaster) CSO Tank	CSO Tank	7,670
2005-2010	1 Royal Ave CSO Tank	CSO Tank	9,074
2005-2010	1 Sterling CSO Improvements	CSO Tank	660
2011-2015	1 Aberdeen at Hillside Neighbourhood Sewer Separation	Water/Wastewater Master Plan Projects	3,400
2011-2015	1 Royal to Main/King Sanitary Sewer Upgrades (WW-22)	Water/Wastewater Master Plan Projects	13,470
2005-2010	1, 2 Stuart - Barton to Bay	Upgrades & Replacements	28
2005-2010	1, 2, 3, 4 Western Sanitary Sewer Interceptor	Upgrades & Replacements	3,511
			<u>42,485</u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 2</b>				
2005-2010	2	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	403
2005-2010	2	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	147
2005-2010	2	Mainline (Lining)	Inspection, Maintenance & Rehab	3,680
2005-2010	2	Barton - James to Ferguson	Upgrades & Replacements	2,668
2005-2010	2	Catharine Trnk - Forest-Barton	Upgrades & Replacements	2,000
2005-2010	2	Cathcart - Barton to 150m S	Upgrades & Replacements	500
2005-2010	2	Ferguson - Main to Hunter / Grange	Upgrades & Replacements	20
2005-2010	2	James Trunk - Hunter to Barton	Upgrades & Replacements	6,000
2005-2010	2	York Blvd Trunk Sewer Rehab	Upgrades & Replacements	1,000
2011-2015	2	King William / Hughson / Rebecca	Storm Infrastructure	250
2005-2010	1, 2	Stuart - Barton to Bay	Upgrades & Replacements	28
2005-2010	2, 3	Wilson - James to Victoria	Upgrades & Replacements	280
2005-2010	1, 2, 3, 4	Western Sanitary Sewer Interceptor	Upgrades & Replacements	3,511
				<u><u>20,487</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

Ward	Description	Project Type	\$000
<b>WARD 3</b>			
2005-2010	3 Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	639
2005-2010	3 Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	186
2005-2010	3 Mainline (Lining)	Inspection, Maintenance & Rehab	7,388
2005-2010	3 Barnesdale - King to Cannon	SERG Focus Area - Upgrades & Replacements	700
2005-2010	3 Arthur - Aikman to King	Upgrades & Replacements	100
2005-2010	3 Cannon - Gage to Ottawa	Upgrades & Replacements	846
2005-2010	3 Grosvenor S - King to Main	Upgrades & Replacements	10
2005-2010	3 Rosslyn / Dalhousie / Dalkeith / Cluny / Craigmillar	Upgrades & Replacements	700
2011-2015	3 SERG - Gage Park Pond	Upgrade & Replacements	250
2005-2010	1, 2, 3, 4 Western Sanitary Sewer Interceptor	Upgrades & Replacements	3,511
2005-2010	3 Princess St. Sewer Replacement (Gibson to Earl)	Upgrades & Replacements	360
2005-2010	2, 3 Wilson - James to Victoria	Upgrades & Replacements	280
2011-2015	3, 4 SERG - Storm Overflows	Upgrade & Replacements	200
			<u><u>15,170</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 4</b>				
2005-2010	4	Storm Event Response Grp-SERG	Study	2,300
2005-2010	4	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	684
2005-2010	4	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	186
2005-2010	4	Mainline (Lining)	Inspection, Maintenance & Rehab	7,535
2005-2010	4	Cope / Dunsmore / Main	SERG Focus Area - Upgrades & Replacements	1,850
2005-2010	4	Edgemont - Main to Cannon	Upgrades & Replacements	487
2011-2015	4	SERG - Barton Street / Ottawa Street	Upgrade & Replacements	2,750
2011-2015	4	SERG - Garside - Main to Dunsmore	Upgrade & Replacements	1,050
2011-2015	4	SERG - Kenilworth Avenue Underpass Flooding Storm Relief	Upgrade & Replacements	4,100
2011-2015	4	SERG - Lower East End Drainage Study/Design	Upgrade & Replacements	6,500
2011-2015	4	SERG - Park Row / Graham / Wexford - Main to Roxborough	Upgrade & Replacements	9,000
2011-2015	4	SERG - Province / Houghton / Huxley - Main to Roxborough	Upgrade & Replacements	9,000
2011-2015	4	SERG - Queenston Road / Walter Avenue	Upgrade & Replacements	3,750
2011-2015	4	Cannon - Ottawa to Kenilworth	Storm Infrastructure	250
2005-2010	4	London - Main to Roxborough	SERG Focus Area - Upgrades & Replacements	3,000
2005-2010	1, 2, 3, 4	Western Sanitary Sewer Interceptor	Upgrades & Replacements	3,511
2011-2015	3, 4	SERG - Storm Overflows	Upgrade & Replacements	200
				<u>56,153</u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 5</b>				
2005-2010	5	Greenhill Ave Storm Drainage Study - SERG	Study	80
2005-2010	5	Greenhill Storm Drainage Study Schedule B Class EA	Study	120
2005-2010	5	Davis Creek - Lower Master Plan Class Ea	Study	200
2005-2010	5	Greenhill Storm Drainage - EA	Study	120
2005-2010	5	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	440
2005-2010	5	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	234
2005-2010	5	Mainline (Lining)	Inspection, Maintenance & Rehab	2,092
2005-2010	5	Owen Place - King to Cromwell	Upgrades & Replacements	102
2005-2010	5	QEW Beach Blvd Flood Protect	Upgrades & Replacements	5,600
2005-2010	5	Greenhill CSO	CSO Tank	16,768
2005-2010	5	Redhill CSO	CSO Tank	15,860
2005-2010	5, 9	King - Nash to Battlefield	Upgrades & Replacements	330
2011-2015	5, 9	Centennial Trunk Sanitary Sewer (WW-14, WW-33)	Water/Wastewater Master Plan Projects	101,800
				<u><u>143,746</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 6</b>				
2005-2010	6	Garner Neighbourhood MDP	Study	50
2005-2010	6	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	482
2005-2010	6	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	214
2005-2010	6	Mainline (Lining)	Inspection, Maintenance & Rehab	4,065
2005-2010	6	Nova - Edith to Mountain Brow Blvd/ Seagram PI	Upgrades & Replacements	95
2011-2015	6	SWMP #2 - Central Mountain	Stormwater Management Ponds	750
2005-2010	6	Queensdale - Upper Gage to Upper Ottawa	Upgrades & Replacements	410
2011-2015	6, 9, 11	Rymal - Upper Centennial to Dartnall	Storm Infrastructure	100
				<u>6,166</u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 7</b>				
2005-2010	7	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	663
2005-2010	7	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	303
2005-2010	7	Mainline (Lining)	Inspection, Maintenance & Rehab	6,410
2005-2010	7	Fennell - Upper Wellington to Upper Wentworth	Upgrades & Replacements	265
2005-2010	7	Upper Sherman Storm Sewer	Upgrades & Replacements	1,000
2005-2010	7	Upper Wentworth - Fennell to Mohawk	Upgrades & Replacements	83
2011-2015	7	Inverness - Upper Wellington to East 15th	Storm Infrastructure	190
2011-2015	7, 8	Upper James - Stone Church to Rymal	Storm Infrastructure	370
				<u><u>9,284</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 8</b>				
2005-2010	8	Mountview Neighbourhood SWMP	Study	150
2005-2010	8	Fessenden SWM Class EA	Study	150
2005-2010	8	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	679
2005-2010	8	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	363
2005-2010	8	Mainline (Lining)	Inspection, Maintenance & Rehab	4,341
2005-2010	8	Garth - Darlington to Fennell	Upgrades & Replacements	275
2005-2010	8	Stone Church - Upper James to Garth (SMA)	Upgrades & Replacements	976
2011-2015	8	Garth - Stone Church to Rymal	Storm Infrastructure	700
2011-2015	8	Sanatorium - Redfern to Rice/Chedmac and SWM Facilities	Storm Infrastructure	3,300
2011-2015	8	SWMP - H9 Sheldon Neighbourhood Pond	Stormwater Management Ponds	311
2011-2015	8	SWMP H24 - Pond for Mewburn Neighbourhood	Stormwater Management Ponds	703
2011-2015	8	Ancaster/Fennell Trunk Sanitary Sewer Upgrades (WW-11)	Water/Wastewater Master Plan Projects	7,600
2011-2015	8	Scenic Dr Sanitary Sewer Upgrade (WW-18)	Water/Wastewater Master Plan Projects	1,470
2011-2015	8	Trunk Sanitary Sewer West of Garth (WW-12)	Water/Wastewater Master Plan Projects	3,830
2005-2010	8	Sanatorium - Redfern to Rice/Chedmac and SWM Facilities	Upgrades & Replacements	1,000
2011-2015	7, 8	Upper James - Stone Church to Rymal	Storm Infrastructure	370
2005-2010	8, 12	West Mountain Trunk Sewer Rehab	Upgrades & Replacements	400
				<u><u>26,618</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 9</b>				
2005-2010	9	Davis Creek - Upper	Study	180
2005-2010	9	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	208
2005-2010	9	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	187
2005-2010	9	Mainline (Lining)	Inspection, Maintenance & Rehab	2,194
2005-2010	9	Lake - Queenston to King	Upgrades & Replacements	200
2011-2015	9	SWMP - SM5 Nash Neighbourhood	Stormwater Management Ponds	670
2011-2015	9	SWMP SM4 - Felker Neighbourhood	Stormwater Management Ponds	1,170
2005-2010	5, 9	King - Nash to Battlefield	Upgrades & Replacements	330
2011-2015	5, 9	Centennial Trunk Sanitary Sewer (WW-14, WW-33)	Water/Wastewater Master Plan Projects	101,800
2011-2015	6, 9, 11	Rymal - Upper Centennial to Dartnall	Storm Infrastructure	100
2011-2015	9, 11, 12, 15	SWMP Retrofits	Stormwater Management Ponds	5,770
				<u><u>112,809</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 10</b>				
2005-2010	10	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	277
2005-2010	10	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	202
2005-2010	10	Mainline (Lining)	Inspection, Maintenance & Rehab	589
2005-2010	10	Barton - Green to Hewitson	Upgrades & Replacements	620
2005-2010	10	Millen/Red Oak/Federal	Upgrades & Replacements	800
2005-2010	10	Stanley Park Phase 3	Upgrades & Replacements	640
2005-2010	10	Stanley Park Phase 4	Upgrades & Replacements	494
2005-2010	10	Margaret - Hwy 8 to Barton	Upgrades & Replacements	1,470
2011-2015	10, 11	Cherry Beach 5 Year Review and Class EA	Inspection, Maintenance & Rehabilitation	350
				<u><u>5,442</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 11</b>				
2005-2010	11	SCUBE Stg 2 Subwatershed Study	Study	300
2005-2010	11	Hannon Creek Subwatershed Study	Study	150
2005-2010	11	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	125
2005-2010	11	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	114
2005-2010	11	Mainline (Lining)	Inspection, Maintenance & Rehab	189
2005-2010	11	Highway 56 Culvert	Upgrades & Replacements	3,900
2011-2015	11	Binbrook Rd - Royal Winter Drive to RR 56	Storm Infrastructure	950
2011-2015	11	SWMP - B7 Summerlea West	Stormwater Management Ponds	2,690
2011-2015	11	SWMP B10 - Mountaingate	Stormwater Management Ponds	3,270
2011-2015	11	Watercourse 5 and 6	Stormwater Management Ponds	11,140
2011-2015	11	Airport Lands Dickenson Rd Forcemain & Gravity Sewer (WW-28, WW-26)	Water/Wastewater Master Plan Projects	24,260
2011-2015	11	Airport Lands Dickenson Road Wastewater PS (WW-27)	Water/Wastewater Master Plan Projects	10,900
2011-2015	11	Airport Lands Upper James (Hwy6) Forcemain & Gravity Sewer (WW-24, WW-25)	Water/Wastewater Master Plan Projects	11,800
2011-2015	11	Airport Lands Wastewater PS (WW-23)	Water/Wastewater Master Plan Projects	750
2011-2015	11	Binbrook PS (WW-20) and Forcemain Upgrade (WW-21)	Water/Wastewater Master Plan Projects	4,530
2011-2015	6, 9, 11	Rymal - Upper Centennial to Dartnall	Storm Infrastructure	100
2011-2015	10, 11	Cherry Beach 5 Year Review and Class EA	Inspection, Maintenance & Rehabilitation	350
2011-2015	9, 11, 12, 15	SWMP Retrofits	Stormwater Management Ponds	5,770
				<u><u>81,288</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 12</b>				
2005-2010	12	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	309
2005-2010	12	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	244
2005-2010	12	Mainline (Lining)	Inspection, Maintenance & Rehab	234
2011-2015	12	Shaver Rd New PS & Forcemain	Water/Wastewater Master Plan Projects	1,820
2005-2010	8, 12	West Mountain Trunk Sewer Rehab	Upgrades & Replacements	400
2011-2015	9, 11, 12, 15	SWMP Retrofits	Stormwater Management Ponds	5,770
				<u><u>8,777</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 13</b>				
2005-2010	13	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	363
2005-2010	13	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	186
2005-2010	13	Mainline (Lining)	Inspection, Maintenance & Rehab	3,902
2005-2010	13	Delsey - Phase 2	Upgrades & Replacements	835
2005-2010	13	Little John & Lynden Outfalls	Upgrades & Replacements	650
2005-2010	13	Witherspoon / Henry / Matilda / Market	Upgrades & Replacements	200
				<u><u>6,136</u></u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 14</b>				
2005-2010	14	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	3
2005-2010	14	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	5
2005-2010	14	Mainline (Lining)	Inspection, Maintenance & Rehab	0
				<u>8</u>

## 2005 to 2010 & 2011 to 2015 PROJECTS BY WARD

	Ward	Description	Project Type	\$000
<b>WARD 15</b>				
2005-2010	15	South Waterdown Subwatershed Study	Study	580
2005-2010	15	Mainline Inspection (CCTV)	Inspection, Maintenance & Rehab	156
2005-2010	15	Mainline Inspection (ZOOM)	Inspection, Maintenance & Rehab	125
2005-2010	15	Mainline (Lining)	Inspection, Maintenance & Rehab	71
2005-2010	15	Parkside Drive Storm Sewer	Upgrades & Replacements	1,500
2011-2015	15	SWMP W19 - Parkside Hills Phase 2	Stormwater Management Ponds	580
2011-2015	15	SWMP W3 - Waterdown Bay	Stormwater Management Ponds	2,220
2011-2015	15	SWMP W4 - Waterdown Bay	Stormwater Management Ponds	5,830
2011-2015	15	Millgrove Drainage Improvements	Inspection, Maintenance & Rehabilitation	150
2011-2015	9, 11, 12, 15	SWMP Retrofits	Stormwater Management Ponds	5,770
				<u><u>16,982</u></u>

**CAPITAL WORKS PLANNED FOR NEXT 5 YEARS**

**\$(000)**

	<b>WWTP Pump House</b>	75,000
	<b>SERG Initiatives</b>	
4	SERG - Barton Street / Ottawa Street	2,750
3	SERG - Gage Park Pond	250
4	SERG - Garside - Main to Dunsmure	1,050
4	SERG - Kenilworth Avenue Underpass Flooding Storm Relief	4,100
4	SERG - Lower East End Drainage Study/Design	6,500
4	SERG - Park Row / Graham / Wexford - Main to Roxborough	9,000
4	SERG - Province / Houghton / Huxley - Main to Roxborough	9,000
4	SERG - Queenston Road / Walter Avenue	3,750
3, 4	SERG - Storm Overflows	200
City Wide	Storm Event Response Group (SERG) Projects	<u>1,200</u>
		<u><u>37,800</u></u>
	<b>Storm Infrastructure:</b>	
11	Binbrook Rd - Royal Winter Drive to RR 56	950
4	Cannon - Ottawa to Kenilworth	250
8	Garth - Stone Church to Rymal	700
2	King William / Hughson / Rebecca	250
6, 9, 11	Rymal - Upper Centennial to Dartnall	100
8	Sanatorium - Redfern to Rice/Chedmac and SWM Facilities	3,300
7, 8	Upper James - Stone Church to Rymal	<u>370</u>
		<u><u>5,920</u></u>
	<b>Stormwater Management Ponds</b>	
11	SWMP - B7 Summerlea West	2,690
8	SWMP - H9 Sheldon Neighbourhood Pond	311
9	SWMP - SM5 Nash Neighbourhood	670
6	SWMP #2 - Central Mountain	750
11	SWMP B10 - Mountaingate	3,270
8	SWMP H24 - Pond for Mewburn Neighbourhood	703
9, 11, 12, 15	SWMP Retrofits	5,770
9	SWMP SM4 - Felker Neighbourhood	1,170
15	SWMP W19 - Parkside Hills Phase 2	580
15	SWMP W3 - Waterdown Bay	2,220
15	SWMP W4 - Waterdown Bay	5,830
11	Watercourse 5 and 6	<u>11,140</u>
		<u><u>35,104</u></u>
	<b>Water/Wastewater Master Plan Projects</b>	
1	Aberdeen at Hillside Neighbourhood Sewer Separation	3,400
11	Airport Lands Dickenson Rd Forcemain & Gravity Sewer (WW-28, WW-26)	24,260
11	Airport Lands Dickenson Road Wastewater PS (WW-27)	10,900
11	Airport Lands Upper James (Hwy6) Forcemain & Gravity Sewer (WW-24, WW-25)	11,800
11	Airport Lands Wastewater PS (WW-23)	750
8	Ancaster/Fennell Trunk Sanitary Sewer Upgrades (WW-11)	7,600
11	Binbrook PS (WW-20) and Forcemain Upgrade (WW-21)	4,530
5, 9	Centennial Trunk Sanitary Sewer (WW-14, WW-33)	101,800
City Wide	Intensification Infrastructure Upgrades - Wastewater	5,200
City Wide	Oversizing of Infrastructure - Wastewater	500
1	Royal to Main/King Sanitary Sewer Upgrades (WW-22)	13,470

**CAPITAL WORKS PLANNED FOR NEXT 5 YEARS**

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8	Scenic Dr Sanitary Sewer Upgrade (WW-18)	1,470
12	Shaver Rd New PS & Forcemain	1,820
8	Trunk Sanitary Sewer West of Garth (WW-12)	<u>3,830</u>
		<u><u>191,330</u></u>
<b>Inspection, Maintenance &amp; Rehabilitation</b>		
City Wide	Annual Emergency Repairs - Cross Connections	500
City Wide	Annual Municipal Drain Maintenance Program	500
City Wide	Annual Roadside Drainage Improvement Program	5,000
City Wide	Annual Sewer Condition Assessments	11,000
City Wide	Annual Storm Water Management Program	40,000
City Wide	Annual SWM Pond/Creek Maintenance Program	1,600
City Wide	Annual Wastewater System Lining	33,000
10, 11	Cherry Beach 5 Year Review and Class EA	350
City Wide	City-Wide Erosion Assessment	640
City Wide	City-wide Stormwater MP Implementation	700
15	Millgrove Drainage Improvements	150
City Wide	Specific Area Planning Act/Class EA Integration and Coordination	<u>1,100</u>
		<u><u>94,540</u></u>
City Wide	<b>Real Time Control</b>	10,000
City Wide	<b>Backwater Valves</b>	3,000
City Wide	<b>Accelerated Capital</b>	20,000
		<u><u>472,694</u></u>





**CAPITAL WORKS 2005 - 2010**

**\$(000)**

**SERG INITIATIVES**

3	Barnesdale - King to Cannon	700
4	Cope / Dunsmure / Main	1,850
4	London - Main to Roxborough	3,000
		<u>5,550</u>

**PIPE UPGRADES AND REPLACEMENTS:**

3	Arthur - Aikman to King	100
10	Barton - Green to Hewitson	620
2	Barton - James to Ferguson	2,668
3	Cannon - Gage to Ottawa	846
2	Catharine Trnk - Forest-Barton	2,000
2	Cathcart - Barton to 150m S	500
13	Delsey Creek - Phase 2	835
4	Edgemont - Main to Cannon (PW 06-18 HSW)	487
7	Fennell - Upper Wellington to Upper Wentworth	265
2	Ferguson - Main to Hunter / Grange	20
8	Garth - Darlington to Fennell	275
3	Grosvenor S - King to Main	10
1	Herkimer - Queen to Bay	40
11	Highway 56 Culvert	3,900
2	James Trunk - Hunter to Barton	6,000
5, 9	King - Nash to Battlefield	330
9	Lake - Queenston to King	200
13	Little John & Lynden Outfalls	650
1	Magill Street / Crooks Street	50
10	Margaret - Hwy 8 to Barton	1,470
10	Millen/Red Oak/Federal	800
6	Nova - Edith to Mountain Brow Blvd/ Seagram Pl	95
5	Owen Place - King to Cromwell	102
15	Parkside Drive Storm Sewer	1,500
3	Princess St. Sewer Replacement (Gibson to Earl)	360
5	QEW Beach Blvd Flood Protect	5,600
6	Queensdale - Upper Gage to Upper Ottawa	410
3	Rosslyn / Dalhousie / Dalkeith / Cluny / Craigmillier	700
8	Sanatorium - Redfern to Rice/Chedmac and SWM Facilities	1,000
10	Stanley Park Phase 3	640
10	Stanley Park Phase 4	494
8	Stone Church - Upper James to Garth (SMA)	976
1, 2	Stuart - Barton to Bay	28
7	Upper Sherman Storm Sewer	1,000
7	Upper Wentworth - Fennell to Mohawk	83
8, 12	West Mountain Trunk Sewer Rehab	400
1, 2, 3, 4	Western Sanitary Sewer Interceptor	3,511
2, 3	Wilson - James to Victoria	280
13	Witherspoon / Henry / Matilda / Market	200
2	York Blvd Trunk Sewer Rehab	1,000
		<u>40,445</u>

**CAPITAL WORKS 2005 - 2010**

**\$(000)**

**Inspection, Maintenance & Rehabilitation**

Inspection & Maintenance	15,374
CCTV, Zoom and Lining - All Wards	<u>55,470</u>
	<u><u>70,844</u></u>

Note: The above includes the following:

CCTV, Zoom and Lining - Lower East End (Wards 3 & 4) included above	16,618
6, 7 - Central Mountain	5,532
8 - Mountainview Neighbourhood	2,385
13 - Dundas	1,915
1, 2 - West Hamilton	2,199
2 - Mary/Ferrie Neighbourhood	715
CCTV Inspection and Cleaning	418

**CSO UPGRADES:**

1 Ewen (McMaster) CSO Tank	7,670
1 Royal Ave CSO Tank	9,074
5 Greenhill CSO	16,768
1 Sterling CSO Improvements	660
5 Redhill CSO	15,860
	<u>50,032</u>

**INVESTIGATIONS:**

5 Greenhill Ave Storm Drainage Study	80
5 Greenhill Storm Drainage Study Schedule B Class EA	120
8 Mountview Neighbourhood SWMP	150
8 Fessenden SWM Class EA	150
11 SCUBE Stg 2 Subwatershed Study	300
5 Davis Creek - Lower Master Plan Class Ea	200
9 Davis Creek - Upper	180
11 Hannon Creek Subwatershed Study	150
15 South Waterdown Subwatershed Study	580
6 Garner Neighbourhood MDP	50
5 Greenhill Storm Drainage - EA	120
City Wide Storm Event Response Group	<u>2,300</u>
	<u><u>4,380</u></u>

City Wide Backwater Valve Pilot Project	100
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171,351

**CAPITAL WORKS  
2005 - 2010**

Ward	Project ID	Description	Department	Description	Project Type	Start	
<b>WIP PROJECTS</b>							
<b>STUDIES</b>							
5	5180772290	Greenhill Ave Storm Drainage Study - SERG		Study		2007	80
5	5181055060	Greenhill Storm Drainage Study Schedule B Class EA		Study		2010	120
8	5180955948	Mountview Neighbourhood SWMP		Study		2009	150
8	5180855847	Fessenden SWM Class EA		Study		2008	150
11	5180855849	SCUBE Stg 2 Subwatershed Study		Study		2008	300
5	5181055058	Davis Creek - Lower Master Plan Class Ea		Study		2010	200
9	5180755740	Davis Creek - Upper		Study		2007	180
11	5181055077	Hannon Creek Subwatershed Study		Study		2010	150
15	8300455100	South Waterdown Subwatershed Study		Study		2004	580
6	5180855840	Garner Neighbourhood MDP		Study		2008	50
5	5181055060	Greenhill Storm Drainage - EA		Study		2010	120
4	5180855850	Storm Event Response Grp-SERG		Study		2008	500
4	5180955950	Storm Event Response Grp-SERG		Study		2009	1,800
							<u>4,380</u>
		<b>Sewer CCTV Inspection &amp; Cleaning - SERG Initiated</b>					418
		<b>Sewer CIPP Rehab/Inspection/Cleaning - SERG Focus Areas Only</b>					
6, 7		- Central Mountain					5,532
8		- Mountainview Neighbourhood					2,385
13		- Dundas					1,915
1, 2		- West Hamilton					2,199
2		- Mary/Ferrie Neighbourhood					715
		Total Sewer CCTV Rehab/Inspection/Cleaning - All Areas					<u>13,164</u>

**CAPITAL WORKS  
2005 - 2010**

Ward	Project ID	Description	Department Description	Project Type	Start
<b>Sewer CIPP Rehab/Inspection/Cleaning - City Wide (Includes SERG Focus Areas noted above)</b>					
Mainline Inspection (CCTV)					
		Ward 1			344
		Ward 2			403
		Ward 3			639
		Ward 4			684
		Ward 5			440
		Ward 6			482
		Ward 7			663
		Ward 8			679
		Ward 9			208
		Ward 10			277
		Ward 11			125
		Ward 12			309
		Ward 13			363
		Ward 14			3
		Ward 15			156
		Other			9
					5,784
Mainline Inspection (ZOOM)					
		Ward 1			161
		Ward 2			147
		Ward 3			186
		Ward 4			186
		Ward 5			234
		Ward 6			214
		Ward 7			303
		Ward 8			363
		Ward 9			187
		Ward 10			202
		Ward 11			114
		Ward 12			244
		Ward 13			186
		Ward 14			5
		Ward 15			125

**CAPITAL WORKS  
2005 - 2010**

Ward	Project ID	Description	Department Description	Project Type	Start	
		Other				3
						<u>2,860</u>
		Mainline (Lining)				
		Ward 1				4,077
		Ward 2				3,680
		Ward 3				7,388
		Ward 4				7,535
		Ward 5				2,092
		Ward 6				4,065
		Ward 7				6,410
		Ward 8				4,341
		Ward 9				2,194
		Ward 10				589
		Ward 11				189
		Ward 12				234
		Ward 13				3,902
		Ward 14				0
		Ward 15				71
		Other				59
						<u>46,826</u>
						<u>55,470</u>
		<b>CSO TANKS</b>				
		Ewen (McMaster) CSO Tank				7,670
		Royal Ave CSO Tank				9,074
		Greenhill CSO				16,768
		Sterling CSO Improvements				660
		Redhill CSO				15,860
						<u>50,032</u>
<b>SERG Initiatives</b>						
3	5181072295	Barnesdale - King to Cannon	Coordinated - Upgrade Projects		2010	700
4	5181072295	Cope / Dunsmure / Main	Coordinated - Upgrade Projects		2010	1,850
4	5181072295	London - Main to Roxborough	Combined sewer replacement		2010	3,000
						<u>5,550</u>

**CAPITAL WORKS  
2005 - 2010**

Ward	Project ID	Description	Department Description	Project Type	Start
<b>2005 to 2010 Storm Sewer Upgrades - City Wide</b>					
3	5180872290	Arthur - Aikman to King	upgrade		2008 100 PW 08-16(HSW) Royal Ready
10	5180772290	Barton - Green to Hewitson	upgrade		2007 620 PW 07-30(HSW) New Alliance
2	5160760710	Barton - James to Ferguson	combined sewer replacement		2007 2,668 complete
3	5180972290	Cannon - Gage to Ottawa	Combined Sewer Replacement		2009 846 PW 09-10 (HSW) D'Orazio
2	516/5180960392	Catharine Trnk - Forest-Barton	Combined trunk sewer lining		2009 2,000 C11-137-07
2	5180880855	Cathcart - Barton to 150m S	Combined sewer upgrade		2008 500
13	5180372290	Delsey - Phase 2			2006 835 PW 06-25(HSW) Anders
4	various	Edgemont - Main to Cannon	Combined Sewer Replacement		2006 487 PW 06-18(HSW) Dufferin
7	5180772290	Fennell - Upper Wellington to Upper Wentworth	Combined sewer upgrade		2007 265 PW 08-01(HSW) Wesroc
2	5180572290	Ferguson - Main to Hunter / Grange	Combined sewer upgrade		2006 20 PW 06-02(HSW) Dufferin
8	5180872290	Garth - Darlington to Fennell	upgrade		2008 275 PW 08-06(HW) Lafarge
3	5180772290	Grosvenor S - King to Main	Combined sewer upgrade		2007 10 PW 07-05(HSW) 1462556 Ontario Inc
1	5180572290	Herkimer - Queen to Bay	Combined sewer upgrade		2005 40 PW 05-11(HSW) Rankin
11	5180580588	Highway 56 Culvert	development project		2010 3,900
2	516/5180960391	James Trunk - Hunter to Barton	Combined trunk sewer lining		2009 6,000 C11-137-07
5, 9	5180972290	King - Nash to Battlefield	upgrade		2009 330 PW 09-02 (HSW) Dufferin
9	5181072290	Lake - Queenston to King	Coordinated - Upgrade Projects		2010 200
13	5180660641	Little John & Lynden Outfalls	rehabilitation		2010 650
1	5180572290	Magill Street / Crooks Street	Combined sewer upgrade		2005 50 PW 05-25(HW) Wesroc
10	5181072290	Margaret - Hwy 8 to Barton	Combined new sewer		2010 1,470 PW 10-07(HSW) Defaveri
10	5180972290	Millen/Red Oak/Federal	upgrade		2009 800 PW 08-45(HSW) Weroc
6	5180872290	Nova - Edith to Mountain Brow Blvd/ Seagram Pl	upgrade		2008 95 PW 07-54(HSW) Dufferin
5	5180772290	Owen Place - King to Cromwell	Combined sewer upgrade		2007 102 PW 07-02(HSW) All Around

**CAPITAL WORKS  
2005 - 2010**

Ward	Project ID	Description	Department Description	Project Type	Start	
15	5180980961	Parkside Drive Storm Sewer	new trunk sewer to support deve in North Waterdown		2009	1,500
3	516/5181061150	Princess St. Sewer Replacement (Gibson to Earl)	Combined sewer replacement		2010	360
5	5180662640	QEW Beach Blvd Flood Protect			2010	5,600 awarded 2010
6	5161071012	Queensdale - Upper Gage to Upper Ottawa	Combined sewer replacement		2010	410
3	5180772290	Rosslyn / Dalhousie / Dalkeith / Cluny / Craigmillier	Combined sewer upgrade		2007	700 PW 07-01(HSW) FCM
8	5181072290	Sanatorium - Redfern to Rice/Chedmac and SWM Facilities	Combined sewer upgrade		2010	1,000
10	5180572290	Stanley Park Phase 3	upgrade		2005	640 PW 05-20(HSW) King Paving
10	5180672290	Stanley Park Phase 4	upgrade		2006	494 PW 06-20(HSW) King Paving
8	5180972290	Stone Church - Upper James to Garth (SMA)	upgrade		2009	976 PW 09-32(HSW) All Around
1, 2	5180772290	Stuart - Barton to Bay	rehabilitation		2007	28 PW 07-45(HW) King Paving
7	5180980982	Upper Sherman Storm Sewer			2010	1,000
7	5180772290	Upper Wentworth - Fennell to Mohawk	Combined sewer upgrade		2007	83 PW 07-12(HSW) Dufferin
8, 12	5161060101	West Mountain Trunk Sewer Rehab	Combined sewer replacement		2010	400
1, 2, 3, 4	516/5179860825	Western Sanitary Sewer Interceptor	combined sewer replacement		ongoing	3,511
2, 3	5181072290	Wilson - James to Victoria	Coordinated - Rehabilitation Projects		2010	280
13	5180872290	Witherspoon / Henry / Matilda / Market	Combined sewer upgrade		2008	200 PW 08-07(HSW) Terracon
2	5180870820	York Blvd Trunk Sewer Rehab	Sewer Lining		2008	1,000 C11-137-07
						<u>40,445</u>
Citywide		Inspection & Maintenance				15,374
Citywide		Backwater Valve Pilot Project				100
<b>TOTAL PROPOSED AND WIP SERG</b>						<u><u>171,351</u></u>