

COUNCIL - MARCH 23, 2009

SHOVEL READY PROJECTS

Recommendation

The Intergovernmental Relations Committee, at its meeting of March 4, 2009, recommended the following:

- 1) That the recommendation contained in the following report of the City Manager, the Deputy City Manager/Commissioner of Finance & Corporate Services, the Senior Management Team and the Director of Reserves & Investments, dated March 4, 2009, be approved;
- 2) That this report be forwarded to the Council meeting of March 23, 2009; and
- 3) That staff provide a report to the Council meeting of March 23, 2009, on the rationale and priority of the shovel ready projects.

Report of the City Manager, the Deputy City Manager/Commissioner of Finance & Corporate Services, the Senior Management Team and the Director of Reserves & Investments, dated March 4, 2009

The City Manager, the Deputy City Manager/Commissioner of Finance & Corporate Services, the Senior Management Team and the Director of Reserves & Investments recommend:

- 1) That the following report and list of Shovel Ready Projects be approved;
- 2) That the list be provided to the Federal and Provincial Governments; and
- 3) That the local MP's and MPP's be advised accordingly.

Economic Impact

This report as written has no economic impact. However, if any projects that are submitted and approved as part of the various stimulus packages, the municipal one third co-funding will be required and appropriate funding must be identified.

Communication Plan

The Communications Department will develop a plan including news releases, the City Web and any other media devices available to them to inform both the Federal and Provincial levels of government and the residents of Vaughan that the City of Vaughan has identified shovel ready projects and is prepare to commence construction once government funding is allocated to the City. These projects will improve infrastructure and benefit the environment.

Purpose

The purpose of this report is to provide Committee with a list of potential Shovel Ready Projects prepared by staff for Committee review.

Background – Analysis and Options

The Federation of Canadian Municipalities (FCM) defined “Shovel Ready Projects” as projects that do not appear in a municipality’s 2009 funded capital budget, but which could be started in 2009 with additional funding. In most cases these are small and medium sized projects focused on rehabilitation of existing infrastructure. These projects fit into existing footprints, and therefore usually do not require or trigger environmental assessments and have relatively simple and quick engineering requirements.

The Federal Government tabled their recent Federal Budget January 27, 2009. Included in the Federal Budget announcements are four (4) programs that could be available to the City of Vaughan. They are as follows:

1) Infrastructure Stimulus Fund - \$4 Billion over 2 Years

This fund provides funding to restore aging infrastructure for capital projects that are ready to get underway quickly in the next two (2) years but lack funding. Works include roads, bridges, water systems, public transit and other critical infrastructure. Projects should begin construction in 2009 and 2010. The Federal government will approve provincial and municipal project plans and cover up to 50% of eligible project costs. Subject to project readiness and merit, funding will be allocated for projects in provinces and territories based on their population. Municipal projects are expected to have municipal contribution (e.g. 1/3 federal, 1/3 provincial 1/3 municipal). Details with regard to project types, eligible costs, approval processes etc are yet to be finalized. Program will be overseen by Infrastructure Canada.

2) Green Infrastructure Fund - \$1 Billion over 5 Years

Funds are target investments in green infrastructure that can improve the quality of the environment and will lead to a more sustainable economy over the longer term. Sustainable energy infrastructure is infrastructure that will contribute to improve air quality and lower carbon emissions. Funds are allocated based on merit to support green infrastructure projects on a cost shared basis.

3) Recreational Infrastructure Canada - \$500 Million over 2 Years

The Budget provides \$500 Million over 2 years to support construction of new community recreational facilities and upgrades to existing facilities across Canada. Eligible facilities include recreational facilities owned by municipalities, counties, community organizations and other not-for-profit entities. This initiative will support up to 50% of the total costs of eligible projects with the balance provided by provincial and municipal contributions, community organizations and the private sector. Infrastructure Canada is responsible for this program

4) Sectoral Competitiveness - \$60 Million over 2 Years

This fund targets 2 year funding in support of infrastructure related costs for local and community cultural and heritage institutions such as local theatres, libraries and small museums.

Staff has compiled a list of Shovel Ready Projects totaling approx. \$42M and is provided as Attachment 1. If projects are approved under any of the above programs, projects will be co funded one third grant funding from both Federal and the Provincial levels of government and one third municipal funding. The City of Vaughan staff has been in contact Building Canada Fund (BCF) in order to obtain eligible project criteria, eligible

project costs and how the City can apply for these funds. All indications are that all of these initiatives will require additional work by staff at both the Federal and Provincial levels of government before details will be known about eligible projects, costs and application intakes..

Relationship to Vaughan Vision 2020 / Strategic Plan

This report is consistent with the priorities previously set by Council. Necessary resources are not allocated or approved.

Regional Implications

N/A

Conclusion

The list of Shovel Ready Projects prepared by staff be approved.

Attachments

Attachment 1 - Draft Shovel Ready Projects
Attachment 2 – Pavement Management Program Phase 1
Attachment 3 – Pavement Management Program Phase 2

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Draft List of Shovel Ready Projects

Project Name	Particulars	Est Cost
Infrastructure Stimulus Package		
Pavement Management Program - Phase 1	Pavement Mill, Overlay Surface Treatment - Attachment 2	\$ 5,896,903
Pavement Management Program - Phase 2	Pavement Mill, Overlay Surface Treatment - Attachment 3	\$18,667,078
Road Reconstruction - Oakbank / Thornbank Area Roads	Reconstruct Roads and Watermain on Thornbank, Oakbank, Erica and Elmbank	\$ 8,446,000
Intersection Improvements - Viceroy @ Dufferin	Construct Additional Eastbound Left Turn Lane	\$ 309,000
Intersection Improvements - Hwy 7 @ Edgeley Blvd	Construct Southbound Right Turn Lane at Intersection	\$ 309,000
Intersection Improvements - Weston Rd @ Chancellor Dr	Construct Eastbound Right Turn lane at Intersection	<u>\$ 206,000</u>
		\$33,853,981
Recreation Infrastructure Canada		
WEA District Park - Soccer Field Retrofit	Soccer Field Repair	\$ 50,000
Rainbow Creek Park - Retrofit Walkway/Lighting	Replace & Retrofit Walkway and Lighting System	\$ 1,300,000
Memorial Hill Park - Rehabilitation	Repair and Replacement of Landscaping	\$ 100,000
Uplands Golf Course	Golf and Ski Operations - Replacement of Irrigation and Snow Making Systems	\$ 400,000
Uplands Golf Course	Ski Operations - Chair Lift Replacement	\$ 600,000
Maple Community Centre - Building Retrofit	Replace Wood fascia and Install Siding at Upper Portion of Building	\$ 250,000
City Recreational Facilities - Retrofit Signage	Retrofit Existing Marquee Signage	\$ 250,000
Chancellor Community Centre - Roof	Replace Original Section of Roof	\$ 100,000
Al Palladini Community Centre - Ice Rinks	Renovate 2 Ice Rinks and Change rooms	\$ 225,000
Garnet Williams Community Centre - Ice Rink Retrofit	Renovate Ice Rink and Change Rooms	\$ 140,000
Al Palladini Community Centre - Building Retrofit	Install New Elevator	\$ 250,000
Doctor McLean Park - Lighting/Building	Install Lights and Construct Washroom Building	\$ 1,000,000
MNR Site - Camp Area	Install Picnic Shelter & Washroom Building to Camp Area	\$ 100,000
Concord Thornhill Regional Park	Construct Skatepark Facility in Regional Park	\$ 996,000
Veterans Park - Lighting	Install Walkway Lighting	\$ 75,000
WEA District Park - Bocce Shelter	Construct Bocce Court Shelter	<u>\$ 200,000</u>
		\$ 6,036,000
Sectoral Competitiveness		
Bathurst Clark Library - Building Retrofit	Refurbish Building and Retrofit Public Service Areas	\$ 400,000
Kleinburg Library- Building Retrofit	Install Handicap Lift	<u>\$ 100,000</u>
		\$ 500,000
Green Infrastructure Fund		
Streellighting - Conversion to Energy Efficient	Conversion of Streellighting to Energy Efficient Lamping	\$ 1,500,000
MNR Site - Trail System	Retrofit Trail System and Vehicular/Pedestrian Bridge Crossings	\$ 50,000
MNR Site - Quonset Huts	Demolition of Quonset Huts and Replace with Reforestation	\$ 300,000
Don and Humber Trail System	Trail Rehabilitation to Existing System	<u>\$ 300,000</u>
		\$ 2,150,000
		\$42,039,981

Pavement Management Program (excluding Crack Seal)							ATTACHMENT - CITY OF VAUGHAN		
Street	From	To	Treatment Name	Current Estimated Cost (roads)	Current Estimated Cost (underground works)	Type	Estimated Total Cost		
Killian Road	Major Mackenzie Drive West	Kettle Street	Mill And Overlay	\$546,406.82	\$0.00	Watermain	\$546,406.82		
King High Drive	Vaughan Boulevard	Dufferin Street	Mill And Overlay	\$238,228.45	\$501,819.75		\$738,048.20		
Kunach Crescent	Kunach Avenue	Flatting Drive	Micro Surface	\$29,595.21	\$0.00		\$29,595.21		
Kipling Avenue	Chaynder Place	Hurkane Avenue	Mill And Overlay	\$30,766.77	\$0.00		\$30,766.77		
Kirkbride Crescent	Hawker Road	Hawker Road	Micro Surface	\$42,389.00	\$0.00		\$42,389.00		
Klamath Court	Pine Hollow Crescent	Cul-De-Sac	Micro Surface	\$24,486.24	\$0.00		\$24,486.24		
Kongrip Place	Cul-De-Sac	Cul-De-Sac	Mill And Overlay	\$63,440.27	\$0.00		\$63,440.27		
Lamar Road	Killian Road	Cul-De-Sac	Mill And Overlay	\$142,897.28	\$0.00		\$142,897.28		
Leith Court	Market Road	Cul-De-Sac	Mill And Overlay	\$29,568.53	\$0.00		\$29,568.53		
Lockheed Avenue	Hudson Drive	Hudson Drive	Micro Surface	\$60,402.86	\$0.00		\$60,402.86		
Lookout Point Court	Sunset Ridge	Ginger Grove	Micro Surface	\$36,120.40	\$0.00		\$36,120.40		
Lovdon Crescent	Laurie Road	Laurie Road	Micro Surface	\$31,844.01	\$0.00		\$31,844.01		
Lucania Crescent	Parkroy Drive	Parkroy Drive	Mill And Overlay	\$37,110.02	\$0.00		\$37,110.02		
Marisa Court	Charlton Avenue	Cul-De-Sac	Mill And Overlay	\$27,289.74	\$0.00		\$27,289.74		
Marriott Road	Barrhill Road	Oxkdale Road	Mill And Overlay	\$271,602.53	\$0.00		\$271,602.53		
Martin Grove Road	Stella Street	Highway 27	Mill And Overlay	\$397,001.91	\$0.00		\$397,001.91		
Marwood Place	Killian Road	Marwood Place	Mill And Overlay	\$152,700.87	\$0.00		\$152,700.87		
McNaughton Road	Keels Street	Compton Park Avenue	Mill And Overlay	\$197,346.81	\$0.00		\$197,346.81		
McQuarrie Lane	Killian Road	Cul-De-Sac	Mill And Overlay	\$53,848.96	\$0.00		\$53,848.96		
Mill Arbour Lane	Rimington Drive	Brickstone Circle	Mill And Overlay	\$108,711.58	\$0.00		\$108,711.58		
Milbank Court	Joseph Aaron Boulevard	Cul-De-Sac	Mill And Overlay	\$65,710.89	\$0.00		\$65,710.89		
Mintook Crescent	Counters Mill Gate	Stags Leap Road	Mill And Overlay	\$84,407.25	\$0.00		\$84,407.25		
Monterey Road	Stags Leap Road	Forest Fountain Drive	Micro Surface	\$18,953.33	\$0.00		\$18,953.33		
Mortimer Court	Dana Crescent	Cul-De-Sac	Mill And Overlay	\$18,965.17	\$0.00		\$18,965.17		
Mountains Crescent	Hawker Road	Hawker Road	Micro Surface	\$25,489.97	\$0.00		\$25,489.97		
Murtagh Road	Glenside Drive	Piper Court	Micro Surface	\$13,101.23	\$0.00		\$13,101.23		
Murzin Place	Hudson Drive	Cul-De-Sac	Micro Surface	\$25,271.84	\$0.00		\$25,271.84		
Mustang Road	Babak Boulevard	Cul-De-Sac	Mill And Overlay	\$109,026.28	\$0.00		\$109,026.28		
Nearwood Road	St Mark Drive	Cul-De-Sac	Mill And Overlay	\$164,184.95	\$0.00		\$164,184.95		
Neyson Avenue	Killian Road	Cul-De-Sac	Mill And Overlay	\$27,455.08	\$0.00		\$27,455.08		
Nizza Crescent	Creswood Road	Pinewood Drive	Micro Surface	\$17,741.61	\$0.00		\$17,741.61		
North Crescent	Compass Drive	Ashlon Drive	Micro Surface	\$46,711.85	\$0.00		\$46,711.85		
Pine Hollow Crescent	Ashlon Drive	Pine Hollow Crescent	Micro Surface	\$45,745.07	\$0.00		\$45,745.07		
Pine Meadow Drive	Babak Boulevard	Deer Run Court	Micro Surface	\$10,151.46	\$0.00		\$10,151.46		
Piper Court	Mustang Road	Cul-De-Sac	Micro Surface	\$22,411.31	\$0.00		\$22,411.31		
Porter Avenue	Kipling Avenue	Dead End	LCB Surface Treatment	\$243,145.11	\$0.00		\$243,145.11		
Ridgefield Crescent	Barrhill Road	Barrhill Road	Mill And Overlay	\$159,523.17	\$0.00		\$159,523.17		
Rimington Drive	Joseph Aaron Boulevard	Joseph Aaron Boulevard	Mill And Overlay	\$96,314.55	\$0.00		\$96,314.55		
Robbwood Trail	Mill Arbour Lane	Brookmill Drive	Micro Surface	\$24,780.98	\$0.00		\$24,780.98		
San Vito Drive	Silver Oaks Boulevard	Napa Valley Avenue	Micro Surface	\$16,780.45	\$0.00		\$16,780.45		
Saquin Road	Callers Crescent	Marion Road	Micro Surface	\$68,716.31	\$0.00		\$68,716.31		
Sherbourne Drive	Barrhill Road	Compania Court	Micro Surface	\$13,751.09	\$0.00		\$13,751.09		
Sienna Crescent	Caslopoint Drive	Orr Avenue	Micro Surface	\$78,340.32	\$0.00		\$78,340.32		
Silverado Trail	Orr Avenue	Stags Leap Road	Micro Surface	\$21,195.02	\$0.00		\$21,195.02		
Springdale Way	Forest Fountain Drive	Spring Gate Boulevard	Mill And Overlay	\$90,201.24	\$0.00		\$90,201.24		
St Mark Drive	Clark Avenue West	Barrhill Road	Micro Surface	\$52,261.34	\$0.00		\$52,261.34		
Stophane Boulevard	Chinhill Drive	Kirby Road	Mill And Overlay	\$358,184.03	\$0.00		\$358,184.03		
Stirling Crescent	Sterling Crescent	Cul-De-Sac	Mill And Overlay	\$12,823.85	\$0.00		\$12,823.85		
Stonhill Gate	Killian Road	McQuarrie Lane	Mill And Overlay	\$40,151.48	\$0.00		\$40,151.48		
Summeridge Drive	Bradesione Circle	Clark Avenue West	Micro Surface	\$140,072.15	\$0.00		\$140,072.15		
Sweeney Drive	Barrhill Road	Thornhill Woods Drive	Micro Surface	\$79,435.10	\$0.00		\$79,435.10		
Sydney Court	Royal Palm Drive	Marion Road	Mill And Overlay	\$20,683.11	\$0.00		\$20,683.11		
Sylwood Crescent	Villandy Crescent	Hawker Road	Micro Surface	\$77,624.39	\$0.00		\$77,624.39		
Theodore Place	Theodore Place	Theodore Place	Micro Surface	\$94,165.72	\$0.00		\$94,165.72		
Thomas Henry Road	Charlton Avenue	Joseph Aaron Boulevard	Mill And Overlay	\$49,102.10	\$0.00		\$49,102.10		

Pavement Management Program (excluding Crack Seal) - Attachment - City of Vaughan

Street	From	To	Treatment Name	Current Estimated Cost (roads)	Current Estimated Cost (underground works)	Type	Estimated Total Cost
ADRIANA LOUISE DRIVE	MARCO SCOTTO AVENUE	MARCO SCOTTO AVENUE	MICRO SURFACE	\$20,265.47	\$0.00		\$20,265.47
ADRIANA LOUISE DRIVE	CRISCIONE DRIVE	MARCO SCOTTO AVENUE	MICRO SURFACE	\$9,182.31	\$0.00		\$9,182.31
ADRIANA LOUISE DRIVE	FORREST FOUNTAIN DRIVE	CRISCIONE DRIVE	MICRO SURFACE	\$17,211.09	\$0.00		\$17,211.09
ALANNO WAY	MONTE CARLO DRIVE	VILLA ANTICA DRIVE	MICRO SURFACE	\$17,272.95	\$0.00		\$17,272.95
AMARETTO COURT	MARTIN GROVE ROAD	CUL-DE-SAC	MILL AND OVERLAY	\$57,721.62	\$0.00		\$57,721.62
AMY COURT	BELVIEW AVENUE	BELVIEW AVENUE	MILL AND OVERLAY	\$105,826.70	\$0.00		\$105,826.70
ANSLEY GROVE ROAD	BELVIEW AVENUE	BELVIEW AVENUE	REMOVE AND REPLACE	\$481,196.72	\$0.00		\$481,196.72
ANSLEY GROVE ROAD	BELVIEW AVENUE	BELVIEW AVENUE	REMOVE AND REPLACE	\$992,018.69	\$0.00		\$992,018.69
ANTONELLA CRESCENT	MISTY MEADOW DRIVE	CHANCELLOR DRIVE	MILL AND OVERLAY	\$43,353.94	\$0.00		\$43,353.94
ANTONELLA CRESCENT	NICOLA COURT	CHANCELLOR DRIVE	MILL AND OVERLAY	\$25,299.74	\$0.00		\$25,299.74
ANTONELLA CRESCENT	MONICA COURT	CHANCELLOR DRIVE	MILL AND OVERLAY	\$69,854.36	\$0.00		\$69,854.36
ARIAL COURT	CHANCELLOR DRIVE	NICOLA COURT	MILL AND OVERLAY	\$18,250.91	\$0.00	Watermain	\$27,010.97
ARRAN CRESCENT	MAQUÉS LANE	CUL-DE-SAC	MILL AND OVERLAY	\$8,760.05	\$0.00	Watermain	\$4,562.06
ART DRIVE	TRITON AVENUE	WOODBIDGE AVENUE	RECONSTRUCTION	\$2,19,392.72	\$55,087.71		\$273,480.44
ASHTON DRIVE	CARDISH STREET	DEAD END	LCB SURFACE TREATMENT	\$21,853.65	\$0.00		\$21,853.65
ASHTON DRIVE	PINE HOLLOW CRESCENT	SILMORO COURT	MICRO SURFACE	\$9,137.44	\$0.00		\$9,137.44
ASHTON DRIVE	QUEENSBERRY CRESCENT	COOPER CREEK COURT	MICRO SURFACE	\$8,315.59	\$0.00		\$8,315.59
ASHTON DRIVE	WILLOW TREE STREET	CRADDOCK STREET	MICRO SURFACE	\$9,034.97	\$0.00		\$9,034.97
ASHTON DRIVE	COOPER CREEK COURT	WILLOW TREE STREET	MICRO SURFACE	\$16,197.49	\$0.00		\$16,197.49
ASHTON DRIVE	CRADDOCK STREET	CRANSTON PARK AVENUE	MICRO SURFACE	\$9,331.93	\$0.00		\$9,331.93
ASQUITH PLACE	ROSEDALE HEIGHTS DRIVE	ROSEBOROUGH CRESCENT	REMOVE AND REPLACE	\$97,240.05	\$0.00		\$97,240.05
ASQUITH PLACE	ROSEBOROUGH LANE	ROSEDALE HEIGHTS DRIVE	REMOVE AND REPLACE	\$90,325.95	\$0.00		\$90,325.95
ATHENA COURT	BIRCH MEADOW OUTLOOK	CUL-DE-SAC	MICRO SURFACE	\$5,077.61	\$0.00		\$5,077.61
AVRO ROAD	KALE CRESCENT	CUL-DE-SAC	MICRO SURFACE	\$26,935.23	\$0.00		\$26,935.23
AVRO ROAD	EMMITT ROAD	JANE STREET	MICRO SURFACE	\$24,780.86	\$0.00		\$24,780.86
AVRO ROAD	MELVILLE AVENUE	KALE CRESCENT	MICRO SURFACE	\$7,400.26	\$0.00		\$7,400.26
BACHMAN DRIVE	VIA LANCIANO CRESCENT	EMMITT ROAD	MICRO SURFACE	\$8,851.29	\$0.00		\$8,851.29
BACHMAN DRIVE	EMMITT ROAD	WILCOX ROAD	MICRO SURFACE	\$25,608.12	\$0.00		\$25,608.12
BACHMAN DRIVE	WILCOX ROAD	EMMITT ROAD	MICRO SURFACE	\$26,745.38	\$0.00		\$26,745.38
BASS PRO MILLS DRIVE	WILCOX ROAD	NORWOOD AVENUE	MICRO SURFACE	\$9,432.29	\$0.00		\$9,432.29
BEATRICE WAY	JANE STREET	ROMINA DRIVE	MICRO SURFACE	\$3,042.32	\$0.00		\$3,042.32
BEATRICE WAY	VERA STREET	VERA STREET	MILL AND OVERLAY	\$102,876.04	\$0.00		\$102,876.04
BEATRICE WAY	FIORI DRIVE	VERA STREET	MILL AND OVERLAY	\$115,964.92	\$0.00		\$115,964.92
BEAUMONT PLACE	GLEN CRESCENT	GLEN CRESCENT	MILL AND OVERLAY	\$79,102.70	\$0.00		\$79,102.70
BEECHNUT ROAD	CLAREMONT LANE	CUL-DE-SAC	MILL AND OVERLAY	\$21,573.19	\$0.00		\$21,573.19
BELLONA STREET	MARTIN GROVE ROAD	TRITON AVENUE	REMOVE AND REPLACE	\$104,493.52	\$54,423.90	Watermain	\$158,917.42
BELLONA STREET	TRITON AVENUE	CADAMUS ROAD	REMOVE AND REPLACE	\$104,405.19	\$54,371.60	Watermain	\$158,776.79
BELLONA STREET	CADAMUS ROAD	TRITON AVENUE	REMOVE AND REPLACE	\$118,300.05	\$61,612.27	Watermain	\$179,912.32
BINSARTH CRESCENT	EDMUND SEAGER DRIVE	EDMUND SEAGER DRIVE	MILL AND OVERLAY	\$102,137.96	\$0.00		\$102,137.96
BIRCH MEADOW OUTLOOK	TALL GRASS TRAIL	ATHENA COURT	MICRO SURFACE	\$31,722.90	\$0.00		\$31,722.90
BIRCH MEADOW OUTLOOK	ATHENA COURT	TALL GRASS TRAIL	MICRO SURFACE	\$6,088.03	\$0.00		\$6,088.03
BLAINE COURT	TREVOR STREET	IVANO MEWS	MILL AND OVERLAY	\$67,770.41	\$0.00		\$67,770.41
BLAINE COURT	IVANO MEWS	CUL-DE-SAC	MILL AND OVERLAY	\$37,040.25	\$0.00		\$37,040.25
BLOSSOM COURT	WOODCROFT LANE	CUL-DE-SAC	MILL AND OVERLAY	\$12,741.64	\$0.00		\$12,741.64
CADAMUS ROAD	BELLONA STREET	CUL-DE-SAC	MILL AND OVERLAY	\$13,686.19	\$0.00		\$13,686.19
CAMLAREN CRESCENT	DONBAY DRIVE	DONBAY DRIVE	MILL AND OVERLAY	\$115,696.37	\$295,699.29	Watermain	\$412,395.66
CAMLAREN CRESCENT	DONBAY DRIVE	DONBAY DRIVE	MILL AND OVERLAY	\$24,249.07	\$61,550.69	Watermain	\$85,939.76
CAMLAREN CRESCENT	DONHILL CRESCENT	DONHILL CRESCENT	MILL AND OVERLAY	\$24,040.16	\$60,812.70	Watermain	\$84,852.86
CARAVAN ROAD	DONHILL CRESCENT	DONHILL CRESCENT	MILL AND OVERLAY	\$28,703.36	\$61,873.05	Watermain	\$91,576.42
CARAVAN ROAD	KILORAN AVENUE	WOODGREEN DRIVE	MILL AND OVERLAY	\$29,007.22	\$58,349.96	Watermain	\$87,357.18
CARTWRIGHT BOULEVARD	WELMAR DRIVE	NAPA VALLEY AVENUE	MILL AND OVERLAY	\$9,801.70	\$0.00		\$9,801.70
CASA VISTA DRIVE	MALDEN STREET	VIA CARMINE AVENUE	MICRO SURFACE	\$7,998.09	\$0.00		\$7,998.09
CASA VISTA DRIVE	VIA CARMINE AVENUE	NOAH CRESCENT	MICRO SURFACE	\$8,441.25	\$0.00		\$8,441.25
CASTLE PARK BOULEVARD	SARNO STREET	NAPA VALLEY AVENUE	MICRO SURFACE	\$7,991.08	\$0.00		\$7,991.08
CASTLE PARK BOULEVARD	CASTLE PARK BOULEVARD	LAURA SABRINA DRIVE	MICRO SURFACE	\$7,991.08	\$0.00		\$7,991.08

Pavement Management Program (excluding Crack Seal)		Attachment		City of Vaughan	
CASTLE PARK BOULEVARD	LAURA SABRINA DRIVE	SARNO STREET	\$9,617.99	\$0.00	\$9,617.99
CASTLE PARK BOULEVARD SB	COLLE MELITTO WAY	CASTLE PARK BOULEVARD	\$5,441.23	\$0.00	\$5,441.23
CASTLE PARK BOULEVARD SB	SONOMA BOULEVARD	COLLE MELITTO WAY	\$6,443.53	\$0.00	\$6,443.53
CHILMAR CRESCENT	ROSEDALE HEIGHTS DRIVE	MILL AND OVERLAY	\$97,140.07	\$0.00	\$97,140.07
CLAREMONT LANE	BEECHNUT ROAD	MICRO SURFACE	\$11,468.43	\$0.00	\$11,468.43
CLAREMONT LANE	BEECHNUT ROAD	MICRO SURFACE	\$15,816.79	\$0.00	\$15,816.79
CLAREMONT LANE	TANDAN COURT	MILL AND OVERLAY	\$16,055.92	\$0.00	\$16,055.92
CLAREMONT LANE	WYCLIFFE AVENUE	MILL AND OVERLAY	\$166,988.65	\$268,808.36	\$435,797.01
CLAUDIA AVENUE	TRITON AVENUE	MILL AND OVERLAY	\$95,462.97	\$194,327.76	\$272,810.73
COLOMBO CRESCENT	WESPUCCI DRIVE	MICRO SURFACE	\$3,005.96	\$0.00	\$3,005.96
COLOMBO CRESCENT	WESPUCCI DRIVE	MICRO SURFACE	\$25,361.20	\$0.00	\$25,361.20
CONLEY STREET	WHITNEY PLACE	MILL AND OVERLAY	\$3,252.84	\$66,569.01	\$109,851.84
CONLEY STREET	THURMAN ROAD	MILL AND OVERLAY	\$28,142.37	\$43,330.62	\$71,472.99
CONLEY STREET	MAQUES LANE	MILL AND OVERLAY	\$147,024.09	\$236,395.77	\$373,409.66
CONLEY STREET	WHITNEY PLACE	MILL AND OVERLAY	\$51,861.15	\$79,893.40	\$131,754.55
COOPER CREEK COURT	WOLFE COURT	MILL AND OVERLAY	\$35,182.44	\$64,172.50	\$99,354.94
CORRINE COURT	ASHTON DRIVE	MICRO SURFACE	\$19,309.65	\$0.00	\$19,309.65
COURTLAND AVENUE	JACOB KEEFER PARKWAY	MICRO SURFACE	\$17,635.05	\$0.00	\$17,635.05
COURTLAND AVENUE	MILLWAY AVENUE	MICRO SURFACE	\$68,831.78	\$0.00	\$68,831.78
COURTLAND AVENUE	JANE STREET	MILL AND OVERLAY	\$32,394.05	\$0.00	\$32,394.05
CRADDOCK STREET	NIMACOR AVENUE	MILL AND OVERLAY	\$57,062.99	\$0.00	\$57,062.99
CREDITSTONE ROAD	ASHTON DRIVE	MICRO SURFACE	\$17,314.44	\$0.00	\$17,314.44
CRISCIONE DRIVE	TIGI COURT	MICRO SURFACE	\$43,998.68	\$0.00	\$43,998.68
CRISCIONE DRIVE	TIGI COURT	MICRO SURFACE	\$90,533.84	\$0.00	\$90,533.84
DAVID TODD AVENUE	SCOTTO BOULEVARD	MICRO SURFACE	\$17,677.05	\$0.00	\$17,677.05
DOMENICA WAY	ADRIANA LOUISE DRIVE	MICRO SURFACE	\$9,598.29	\$0.00	\$9,598.29
DONBY DRIVE	MONTE CARLO DRIVE	MICRO SURFACE	\$44,697.93	\$0.00	\$44,697.93
DONHILL CRESCENT	LANEWAY	MICRO SURFACE	\$8,152.11	\$0.00	\$8,152.11
DONHILL CRESCENT	RUSHWORTH CRESCENT	MILL AND OVERLAY	\$26,076.41	\$65,813.96	\$91,889.66
DUNDURN CRESCENT	CAMLAREN CRESCENT	MILL AND OVERLAY	\$37,579.47	\$95,061.22	\$132,640.69
DUNDURN CRESCENT	CAMLAREN CRESCENT	MILL AND OVERLAY	\$24,608.21	\$61,378.71	\$85,986.92
DUNDURN CRESCENT	CAMLAREN CRESCENT	MILL AND OVERLAY	\$104,225.84	\$267,967.23	\$372,193.09
ED QUIGG WAY	ATKINSON AVENUE	MILL AND OVERLAY	\$28,832.24	\$0.00	\$28,832.24
EDDINGTON PLACE	FONTESELVA AVENUE	MICRO SURFACE	\$20,573.41	\$0.00	\$20,573.41
EDDINGTON PLACE	KAYLA CRESCENT	MICRO SURFACE	\$4,488.48	\$0.00	\$4,488.48
EDGELEY BOULEVARD	KAYLA CRESCENT	MICRO SURFACE	\$19,118.05	\$0.00	\$19,118.05
EDGELEY BOULEVARD	BASS PRO MILLS DRIVE	MICRO SURFACE	\$58,224.62	\$0.00	\$58,224.62
EMMITT ROAD	FOUR VALLEY DRIVE	MICRO SURFACE	\$58,296.25	\$0.00	\$58,296.25
EMMITT ROAD	AVRO ROAD	MICRO SURFACE	\$7,814.36	\$0.00	\$7,814.36
FONTESELVA AVENUE	BACHMAN DRIVE	MICRO SURFACE	\$28,476.03	\$0.00	\$28,476.03
FONTESELVA AVENUE	VIA CARMINE AVENUE	MICRO SURFACE	\$9,239.70	\$0.00	\$9,239.70
FONTESELVA AVENUE	LIO AVENUE	MICRO SURFACE	\$6,149.19	\$0.00	\$6,149.19
FONTESELVA AVENUE	ED QUIGG WAY	MICRO SURFACE	\$9,163.12	\$0.00	\$9,163.12
FONTESELVA AVENUE	BULLA VALENTINA AVENUE	MICRO SURFACE	\$9,642.62	\$0.00	\$9,642.62
FOREST DRIVE	NAPA VALLEY AVENUE	MILL AND OVERLAY	\$90,182.42	\$0.00	\$90,182.42
GENSAL GATE	ATTORNEYS LANE	MICRO SURFACE	\$30,952.09	\$188,237.41	\$219,189.83
GIOTTO CRESCENT	JANE STREET	MICRO SURFACE	\$11,238.06	\$0.00	\$11,238.06
GIOTTO CRESCENT	GIOTTO CRESCENT	MICRO SURFACE	\$12,816.62	\$0.00	\$12,816.62
GIOTTO CRESCENT	GIOTTO CRESCENT	MICRO SURFACE	\$9,273.55	\$0.00	\$9,273.55
GIOVANNI WAY	LIO AVENUE	MICRO SURFACE	\$25,295.60	\$0.00	\$25,295.60
GOLDFARK COURT	CUL-DE-SAC	MILL AND OVERLAY	\$63,781.43	\$0.00	\$63,781.43
QUERY CRESCENT	TERRA ROAD	MICRO SURFACE	\$41,493.05	\$0.00	\$41,493.05
HINDA LANE	CUL-DE-SAC	MILL AND OVERLAY	\$34,954.37	\$72,813.60	\$107,767.97
HORD CRESCENT	CONLEY STREET	MILL AND OVERLAY	\$52,950.06	\$110,308.07	\$163,258.13
HORD CRESCENT	MATHER COURT	MILL AND OVERLAY	\$55,798.61	\$112,068.75	\$168,865.37
HURTINGTON ROAD	KING TRAIL ROAD	LCB SURFACE TREATMENT	\$34,952.74	\$0.00	\$34,952.74

Pavement Management		Program (excluding Crack Seal)		Attachment		City of Vaughan	
HUNTINGWOOD COURT	SHAROCK CRESCENT	CUL-DE-SAC	MILL AND OVERLAY	\$94,909.55	\$0.00		\$94,909.55
INGO COURT	JULIA VALENTINA AVENUE	CUL-DE-SAC	MICRO SURFACE	\$2,952.96	\$0.00		\$2,952.96
ISLINGTON AVENUE	SEVILLE BOULEVARD	RUSHWORTH CRESCENT	MILL AND OVERLAY	\$92,561.47	\$224,516.07	Watermain	\$317,079.54
ISLINGTON AVENUE	RUSHWORTH CRESCENT	PENNON ROAD	MILL AND OVERLAY	\$19,500.22	\$39,949.69	Watermain	\$59,449.91
JACOB KEEFER PARKWAY	MAJOR MACKENZIE DRIVE WEST	SEVILLE BOULEVARD	MILL AND OVERLAY	\$121,534.69	\$294,646.15	Watermain	\$419,181.14
JENNA COURT	RUTHERFORD ROAD	GANTNER GATE	MICRO SURFACE	\$47,966.94	\$0.00		\$47,966.94
JULIA VALENTINA AVENUE	TERRA ROAD	CUL-DE-SAC	MICRO SURFACE	\$10,846.56	\$0.00		\$10,846.56
JULIA VALENTINA AVENUE	VIA CARMINE AVENUE	FONTESELVA AVENUE	MICRO SURFACE	\$30,953.29	\$0.00		\$30,953.29
JULIA VALENTINA AVENUE	NOAH CRESCENT	NOAH CRESCENT	MICRO SURFACE	\$15,754.78	\$0.00		\$15,754.78
JULIA VALENTINA AVENUE	FONTESELVA AVENUE	INGO COURT	MICRO SURFACE	\$9,502.24	\$0.00		\$9,502.24
JULIA VALENTINA AVENUE	NOAH CRESCENT	NOAH CRESCENT	MICRO SURFACE	\$25,922.29	\$0.00		\$25,922.29
JULIA VALENTINA AVENUE	NAPA VALLEY AVENUE	SUNSET RIDGE	MICRO SURFACE	\$8,223.23	\$0.00		\$8,223.23
KALE CRESCENT	MACBRIDE CRESCENT	AVRO ROAD	MICRO SURFACE	\$7,877.98	\$0.00		\$7,877.98
KALE CRESCENT	MACBRIDE CRESCENT	MACBRIDE CRESCENT	MICRO SURFACE	\$7,402.65	\$0.00		\$7,402.65
KAYLA CRESCENT	AVRO ROAD	MACBRIDE CRESCENT	MICRO SURFACE	\$47,671.64	\$0.00		\$47,671.64
KAYLA CRESCENT	VIA LANGIANO CRESCENT	VIA LANGIANO CRESCENT	MICRO SURFACE	\$11,953.19	\$0.00		\$11,953.19
KING VAUGHAN ROAD	EDDINGTON PLACE	EDDINGTON PLACE	MICRO SURFACE	\$34,052.87	\$0.00		\$34,052.87
KIPLING AVENUE	EDDINGTON PLACE	EDDINGTON PLACE	MICRO SURFACE	\$16,656.40	\$0.00		\$16,656.40
KIPLING AVENUE	HUNTINGTON ROAD	HUNTINGTON ROAD	PULVERIZE AND OVERLAY	\$40,701.50	\$0.00		\$40,701.50
LANGSTAFF ROAD	BEECHNUT ROAD	GORDON DRIVE	MILL AND OVERLAY	\$64,886.15	\$0.00		\$64,886.15
LAURA SABRINA DRIVE	MEETING HOUSE ROAD	BEECHNUT ROAD	MILL AND OVERLAY	\$157,542.75	\$0.00		\$157,542.75
LAURA SABRINA DRIVE	HURRICANE AVENUE	LA NEVE AVENUE	MILL AND OVERLAY	\$7,986.50	\$0.00		\$7,986.50
LAURA SABRINA DRIVE	CENTRO PARK DRIVE	CENTRO PARK DRIVE	MICRO SURFACE	\$5,018.92	\$0.00		\$5,018.92
LAURA SABRINA DRIVE	LANEWAY	CASTLE PARK BOULEVARD	MICRO SURFACE	\$4,186.58	\$0.00		\$4,186.58
LEYTON ROAD	LA NEVE AVENUE	LANEWAY	MILL AND OVERLAY	\$27,516.18	\$0.00		\$27,516.18
LIO AVENUE	CARMEN CRESCENT	LIME DRIVE	MICRO SURFACE	\$16,519.91	\$0.00		\$16,519.91
LIO AVENUE	FONTESELVA AVENUE	SONOMA BOULEVARD	MICRO SURFACE	\$21,182.86	\$0.00		\$21,182.86
LONGVIEW CRESCENT	VIA CRISTINA WAY	FONTESELVA AVENUE	MICRO SURFACE	\$23,280.65	\$0.00		\$23,280.65
LONGVIEW CRESCENT	ROSELAWN DRIVE	LONGVIEW CRESCENT	MILL AND OVERLAY	\$41,530.55	\$0.00		\$41,530.55
MABLEY CRESCENT	FIORI DRIVE	CUL-DE-SAC	MILL AND OVERLAY	\$24,597.26	\$51,237.43	Watermain	\$75,834.69
MABLEY CRESCENT	CONLEY STREET	MABLEY CRESCENT	MILL AND OVERLAY	\$145,133.91	\$302,342.46	Watermain	\$447,476.37
MABLEY CRESCENT	MABLEY CRESCENT	MABLEY CRESCENT	MILL AND OVERLAY	\$28,412.32	\$0.00		\$28,412.32
MABLEY CRESCENT	KALE CRESCENT	KALE CRESCENT	MILL AND OVERLAY	\$34,381.35	\$71,923.55	Watermain	\$106,304.90
MAQUES LANE	THURMAN ROAD	CUL-DE-SAC	MILL AND OVERLAY	\$52,321.55	\$168,593.68	Watermain	\$220,915.23
MAQUES LANE	CONLEY STREET	ARIAL COURT	MILL AND OVERLAY	\$9,745.93	\$0.00		\$9,745.93
MARCO SGOTTO AVENUE	NAPA VALLEY AVENUE	THURMAN ROAD	MILL AND OVERLAY	\$17,942.03	\$0.00		\$17,942.03
MARCO SGOTTO AVENUE	VILLA ANTICA DRIVE	VILLA ANTICA DRIVE	MICRO SURFACE	\$16,629.54	\$0.00		\$16,629.54
MAREVAN PLACE	TIMBER LANE	ADRIANA LOUISE DRIVE	MICRO SURFACE	\$372,791.19	\$124,267.01	Watermain	\$497,058.20
MARTIN GROVE ROAD	AMARETTO COURT	GOLD FINCH PLACE	REMOVE AND REPLACE	\$161,970.45	\$53,504.30	Watermain	\$215,474.74
MARTIN GROVE ROAD	JACKMAN CRESCENT	JACKMAN CRESCENT	REMOVE AND REPLACE	\$160,654.59	\$53,076.91	Watermain	\$213,731.50
MARTIN GROVE ROAD	JACKMAN CRESCENT	FOREST DRIVE	REMOVE AND REPLACE	\$397,317.30	\$131,260.19	Watermain	\$528,577.49
MARTIN GROVE ROAD	BELLONA STREET	JACKMAN CRESCENT	REMOVE AND REPLACE	\$159,949.67	\$52,579.04	Watermain	\$212,528.71
MARTIN GROVE ROAD	MARTIN GROVE ROAD	AMARETTO COURT	REMOVE AND REPLACE	\$54,372.02	\$54,800.42	Watermain	\$109,172.43
MARTIN GROVE ROAD	CLAUDIA AVENUE	BELLONA STREET	REMOVE AND REPLACE	\$239,605.98	\$78,807.28	Watermain	\$318,413.26
MARTIN GROVE ROAD	GOLD FINCH PLACE	ZINNIA PLACE	REMOVE AND REPLACE	\$182,659.90	\$60,408.40	Watermain	\$243,068.30
MARTIN GROVE ROAD	WOODBIDGE AVENUE	TRITON AVENUE	REMOVE AND REPLACE	\$162,550.05	\$53,702.00	Watermain	\$216,252.05
MARTIN GROVE ROAD	TRITON AVENUE	CLAUDIA AVENUE	REMOVE AND REPLACE	\$10,524.37	\$21,926.42	Watermain	\$32,450.79
MATHER COURT	HORD CRESCENT	CUL-DE-SAC	MILL AND OVERLAY	\$52,499.59	\$0.00		\$52,499.59
MAXWELL COURT	ROSEDALE HEIGHTS DRIVE	CUL-DE-SAC	MILL AND OVERLAY	\$11,943.53	\$0.00		\$11,943.53
MEDLEY COURT	CRADDOCK STREET	CUL-DE-SAC	MICRO SURFACE	\$68,014.95	\$0.00		\$68,014.95
MELVILLE AVENUE	EDDINGTON PLACE	NORWOOD AVENUE	MILL AND OVERLAY	\$165,292.34	\$0.00		\$165,292.34
MELVILLE AVENUE	NORWOOD AVENUE	AVRO ROAD	MILL AND OVERLAY	\$149,024.02	\$0.00		\$149,024.02
MELVILLE AVENUE	SPRINGSIDE ROAD	EDDINGTON PLACE	MILL AND OVERLAY	\$106,882.38	\$0.00		\$106,882.38
MILLWAY AVENUE	LANGSTAFF ROAD	COURTLAND AVENUE	MILL AND OVERLAY				

