



# Engineering Department

Major Capital Project Update  
Presentation to General Committee

August 28, 2006

# Index

- Road/Structures
- Servicing
- Transportation
- Environmental

# Pages

1 to 6

7 to 11

12 to 13

14

# Major Road & Structure Projects

|  | Pgs |
|--|-----|
| ● 1. Enterprise Drive – GO Rail Separation                               | 1   |
| ● 2. Enterprise Phase 2  | 2   |
| ● 3. Main Street Unionville Reconstruction Hwy 7 to Enterprise Dr.       | 3   |
| ● 4. Rodick Road/ Highway 407 Overpass                                   | 4   |
| ● 5. Rodick Road Reconstruction – Miller Ave to 14 <sup>th</sup> Ave.    | 5   |
| ● 6. Rodick Road Reconstruction – 14 <sup>th</sup> Ave to Esna Park      | 6   |
| ● 7. Hwy 404 Grade Separation and Centurian Drive<br>Extension           | 7   |
| ● 8. 404 Ramp Extension – Highway 7 to Centurian Drive Extension         | 8   |
| ● 9. Woodbine Bypass – Major Mackenzie Drive to Elgin<br>Mills Road      | 9   |
| ● 10. Birchmount Road Extension – Enterprise Ave to 14 <sup>th</sup> Ave | 10  |

# Project – Enterprise Drive – GO Rail Separation

|  | Environmental Assessment | Design    | Approvals | Property Acquisition | Construction  | Total Project Costs                      | Key Issues/ Actions  |
|--|--------------------------|-----------|-----------|----------------------|---|--|--|
| Previous status (update report April 28, 2006) | Completed                | completed | Completed | Completed            | Completed and open to traffic mid November 2005 in maintenance period | \$24.7 million                           | <ul style="list-style-type: none"> <li>•Recovery of funds from Region and MDE</li> <li>•Finalize bridge maintenance agreements with Region &amp; GO</li> </ul>   |
| Current Status                                 | Completed                | Completed | Completed | Completed            | Maintenance period expires November 2006                              | Projected to be less than \$24.7 million | <ul style="list-style-type: none"> <li>•Cost recoveries</li> <li>•Maintenance agreement with Region and GO</li> <li>•Resolution of Greenbelt VW claim</li> </ul> |

# Project – Enterprise Phase 2

|  | Environmental Assessment                               | Design  | Approvals                                       | Property Acquisition                           | Construction            | Total Project Costs      | Key Issues/ Actions            |
|--|--|---|---|--|-------------------------|--------------------------|--------------------------------|
| Previous status<br>(Update Report April 28 <sup>th</sup> 2006) | Completed  | 50% completed design to be completed            | Region of York, MOE and TRCA approvals required | Quan property acquisition negotiations ongoing | Scheduled for 2010/2011 | Estimated 10.6 million   | • Acquisition of Quan property |
| Current status   | Completed Design underway to be completed in 2006/2007 | Region of York, MOE and TRCA approvals required | Region of York, MOE and TRCA approvals required | Expropriation of Quan property underway        | Scheduled for 2010/2011 | Estimated \$10.6 million | • Acquisition of Quan property |

# Project Main Street Unionville Reconstruction – Hwy 7 to Enterprise Drive

|   | Environmental Assessment | Design                                       | Approvals                                       | Property Acquisition | Construction   | Total Project Costs     | Key Issues/ Actions  |
|---|--------------------------|--|---|----------------------|--|-------------------------|--|
| Previous status<br>(Update report April 28, 2006) | Completed                | Design to be completed                       | Region of York, MOE and TRCA approvals required | None identified      | Scheduled for 2010/2011                                      | Estimated \$2.1 million | <ul style="list-style-type: none"> <li>•Construction timing</li> <li>•Funding for streetscape and bridge improvements</li> </ul>   |
| Current Status                                    | Completed                | Design underway to be completed in 2006/2007 | Region of York, MOE and TRCA approvals required | None identified      | Scheduled for 2010/2011 in conjunction with Enterprise Drive | Estimated \$2.1million  | <ul style="list-style-type: none"> <li>• Construction timing incl. coordination of Hwy 7 sanitary sewer</li> <li>•Funding for streetscape &amp; bridge improvements</li> </ul> |

# Rodick Road – Rodick Road/Hwy 407 Overpass

|  | Environmental Assessment | Design    | Approvals | Property Acquisition  | Construction  | Total Project Costs   | Key Issues/ Actions   |
|--|--------------------------|-----------|-----------|---|---|---|---|
| Previous status (Update Report April 28, 2006) | Completed                | Completed | Completed | <ul style="list-style-type: none"> <li>•ORC property transfer outstanding</li> <li>•Magna expropriation costs to be finalized</li> </ul>            | <ul style="list-style-type: none"> <li>•Overpass construction underway</li> <li>•Schedule accelerated</li> <li>•Completion scheduled October 2006</li> </ul>                          | \$12.8 million + delay claim (confidential)   | <ul style="list-style-type: none"> <li>• Resolution of delay claim</li> </ul> |
| Current Status                                 | Completed                | Completed | Completed | <ul style="list-style-type: none"> <li>•Balance of ORC property acquisition underway</li> <li>•Magna expropriation costs to be finalized</li> </ul> | <ul style="list-style-type: none"> <li>•Overpass construction completed, roadwork underway</li> <li>•Schedule accelerated</li> <li>•Completion schedule early October 2006</li> </ul> | <ul style="list-style-type: none"> <li>•\$12.8 million + delay claim (confidential)</li> <li>•Projected to be less than current budget</li> </ul> | <ul style="list-style-type: none"> <li>•Resolution of delay claim</li> </ul>  |

# Rodick Road Reconstruction - Miller Avenue to 14<sup>th</sup> Avenue

|  | Environmental Assessment | Design   | Approvals                       | Property Acquisition  | Construction                                    | Total Project Costs   | Key Issues/ Actions  |
|--|--------------------------|--|---------------------------------|---|---|---|--|
| Previous status (Update report April 28, 2006) | Completed                | <ul style="list-style-type: none"> <li>•Road and servicing revisions to accommodate Miller development</li> <li>•Ongoing</li> </ul>                      | MOE and TRCA approvals required | <ul style="list-style-type: none"> <li>•75% complete</li> <li>•Balance of acquisition ongoing</li> </ul>  | Scheduled summer/fall 2006                      | Estimated \$5.5 million   | <ul style="list-style-type: none"> <li>•Local services to accommodate Miller Development added to contract</li> <li>•Agreement with Miller re front end financing</li> <li>•Servicing requirements to be finalized</li> </ul>            |
| Current Status                                 | completed                | <ul style="list-style-type: none"> <li>•Road and servicing revisions to accommodate Miller development ongoing</li> <li>•Completion Oct. 2006</li> </ul> | MOE and TRCA approvals required | <ul style="list-style-type: none"> <li>•75% complete</li> <li>•Balance of acquisitions ongoing</li> </ul> | Tender January 2007<br>Construction spring 2007 | Estimated \$7.5 million due to inclusion of local servicing costs | <ul style="list-style-type: none"> <li>•Local services to accommodate Miller development added to contract</li> <li>•Agreement with Miller re front end financing required</li> <li>•Utility relocation costs &amp; schedules</li> </ul> |



# Rodick Road – Phase 3

| <b>Project Rodick Road Reconstruction –14<sup>th</sup> Avenue to Esna Park incl. CN Overpass</b> |                                 |                |  |  |                          |                            |   |
|--|---------------------------------|----------------|--|--|--------------------------|----------------------------|---|
|  | <b>Environmental Assessment</b> | <b>Design</b>  | <b>Approvals</b>                       | <b>Property Acquisition</b>  | <b>Construction</b>      | <b>Total Project Costs</b> | <b>Key Issues/Actions</b>   |
| previous status<br>(Update Report April 28 <sup>th</sup> 2006)                                   | completed                       | Scheduled 2007 | To be applied for when design complete | <ul style="list-style-type: none"> <li>• Major acquisition of Esna Park property completed</li> <li>• Balance scheduled for acquisition in 2007</li> </ul> | Scheduled 2008/2009/2010 | Estimated \$5.2            | <ul style="list-style-type: none"> <li>• negotiation of CN Rail Crossing Agreement</li> <li>• realignment of Esna Park/Alden Road intersection</li> </ul> |
| Current status   | completed                       | Scheduled 2007 | CN Rail and MOE approvals required     | <ul style="list-style-type: none"> <li>• Major acquisition of Esna Park property completed</li> <li>• Balance scheduled for acquisition in 2007</li> </ul> | Scheduled 2008/2009/2010 | Estimated \$5.2            | <ul style="list-style-type: none"> <li>• negotiation of CN Rail Crossing Agreement</li> <li>• realignment of Esna Park/Alden Road intersection</li> </ul> |

# Hwy 404 Grade Separation at Centurian Drive Extension

|   | Environmental Assessment | Design  | Approvals   | Property Acquisition   | Construction              | Total Project Costs      | Key Issues/ Actions   |
|---|--------------------------|---|---|--|---------------------------|--------------------------|---|
| Previous status<br>(Update Report April 28, 2006) | Completed                | <ul style="list-style-type: none"> <li>•Consultant selection underway</li> <li>•Design to be completed fall 2007</li> </ul> | Preliminary discussions with MTO, TRCA, 407 ETR underway. Final applications when design complete | <ul style="list-style-type: none"> <li>•Negotiations underway with Markham property owners</li> <li>•Negotiations with Richmond Hill owners pending</li> </ul> | Scheduled 2007/2008 /2009 | Estimated \$17.4 million | <ul style="list-style-type: none"> <li>•Town of Markham to act as project lead for design &amp; construction</li> <li>•Negotiation of cost sharing agreement with Richmond Hill and Region of York</li> </ul> |
| Current Status                                    | Completed                | <ul style="list-style-type: none"> <li>•Consultant selection underway</li> <li>•Design to be completed fall 2007</li> </ul> | Preliminary discussions with MTO, TRCA, 407 ETR underway. Final applications when design complete | <ul style="list-style-type: none"> <li>•Negotiations underway with Markham property owners</li> <li>•Negotiations with Richmond Hill owners pending</li> </ul> | Scheduled 2007/2008 /2009 | Estimated \$17.4 million | <ul style="list-style-type: none"> <li>•Markham property acquisition</li> <li>•Timing of Richmond Hill property acquisitions</li> </ul>   |

# 404 Ramp Extension – Highway 7 to Centurion Drive Extension

|   | Environmental Assessment      | Design              | Approvals  | Property Acquisition                  | Construction   | Total Project Costs     | Key Issues/ Actions   |
|---|-------------------------------|---------------------|--|---------------------------------------|----------------|-------------------------|---|
| Previous status<br>(Update report April 28, 2006) | EA scheduled 2006/2007        | Scheduled 2007/2008 | To be applied for when design complete   | Property Acquired from Seneca in 2004 | Scheduled 2009 | Estimated \$3.1 million | MTO design requirements   |
| Current status                                    | Consultant selection underway | Scheduled 2007/2008 | <ul style="list-style-type: none"> <li>•Preliminary discussions with MTO underway</li> <li>•Final applications when design complete</li> </ul> | Property acquired from Seneca 2004    | Scheduled 2009 | Estimated \$3.1 million | <ul style="list-style-type: none"> <li>•MTO design requirements</li> <li>•Completion of EA required before December 2007</li> </ul> |

# Woodbine Bypass

| Project Woodbine Avenue Bypass (Phase 1 & 2)                |                             |   |   |                                       |   |                            |   |
|---|-----------------------------|---|---|---------------------------------------|---|----------------------------|---|
|   | Environmental Assessment    | Design  | Approvals   | Property Acquisition                  | Construction                                    | Total Project Costs        | Key Issues/Actions  |
| previous status (Update Report April 28 <sup>th</sup> 2006) | Completed by Region of York | Design underway scheduled completion October 2006   | Region of York, MTO, TRCA and MOE approvals required  | Property requirements being finalized | Scheduled start April 2007 completion fall 2008 | EA estimate \$14.3 million | <ul style="list-style-type: none"> <li>Funding for Phase 1 &amp; 2</li> <li>Coordination of servicing &amp; grading designs with surrounding developments</li> <li>Details of watercourse crossing</li> <li>Scheduling of Phase 3 design &amp; construction</li> </ul>              |
| Current status  | Completed by Region of York | <ul style="list-style-type: none"> <li>Design underway</li> <li>30% design submission mid August,</li> <li>scheduled completion October 2006</li> <li>hydrogeological testing underway</li> </ul> | Permit to Take Water received from MOE Region of York, MTO, TRCA and MOE approvals required | Property requirements finalized       | Scheduled start April 2007 completion fall 2008 | estimate \$14.3 million    | <ul style="list-style-type: none"> <li>Finalization of Tri Party agreement</li> <li>Dewatering impact on Victoria Square</li> <li>Coordination of servicing &amp; grading designs with surrounding developments</li> <li>Scheduling of Phase 3 design &amp; construction</li> </ul> |

# Birchmount Road Extension

| Project Birchmount Road Extension – 14 <sup>th</sup> Avenue to Enterprise Drive |                          |   |   |   |   |  |  |
|---|--------------------------|---|---|---|---|--|--|
|   | Environmental Assessment | Design  | Approvals   | Property Acquisition  | Construction  | Total Project Costs  | Key Issues/Actions   |
| previous status (Update Report April 28 <sup>th</sup> 2006)                     | completed                | <ul style="list-style-type: none"> <li>• Original design complete</li> <li>• Town to complete design for Birchmount north of Hwy 407</li> </ul> | <ul style="list-style-type: none"> <li>• Approval in principle received from MTO, TRCA &amp; 407 ETR</li> <li>• Negotiations ongoing with all agencies</li> </ul>   | <ul style="list-style-type: none"> <li>• Appraisals complete</li> <li>• Offers of Purchase to be presented to majority of owners late April 2006</li> </ul>   | Scheduled start spring 2007 completion late 2009  | Estimated \$23.5 million Cost of constructing roadway on Remington lands north of Hwy 407 added to contract  | <ul style="list-style-type: none"> <li>• Timing of property acquisition, approvals and agreements</li> <li>• Value of ORC lands</li> <li>• Design &amp; construction of Birchmount on Remington lands north of Hwy 407 added to Town contract</li> </ul>   |
| Current status  | completed                | <ul style="list-style-type: none"> <li>• Original design complete</li> <li>• design for Birchmount north of Hwy 407 underway</li> </ul>         | <ul style="list-style-type: none"> <li>• Approval in principle received from MTO, TRCA &amp; 407 ETR</li> <li>• Negotiations ongoing with all agencies</li> <li>• CN Rail approval pending resolution of CN request to construct underpass structure</li> </ul> | <ul style="list-style-type: none"> <li>• Appraisals complete</li> <li>• Offers of Purchase presented to majority of owners</li> <li>• Expropriation of holdout properties underway</li> <li>• ORC negotiations ongoing</li> </ul> | <ul style="list-style-type: none"> <li>• Tender spring/summer 2007</li> <li>• Construction start fall 2007</li> <li>• completion spring 2010</li> </ul> | <ul style="list-style-type: none"> <li>• Estimated \$23.5 million</li> <li>• Cost of constructing roadway on Remington lands north of Hwy 407 added to contract</li> </ul> | <ul style="list-style-type: none"> <li>• Timing of property acquisition, approvals and agreements</li> <li>• Value of ORC lands</li> <li>• CN request to construct underpass structure</li> <li>• Coordination with GO Transit Hagerman project</li> </ul> |

# Major Servicing Projects

Pgs

- 1. GO Transit Hagerman Corner grade separation – servicing relocation 11
- 2. Highway 7 Trunk Sanitary Sewer 12
- 3. Highway 7 Stormwater Management facility 13
- 4. 14<sup>th</sup> Avenue Watermain 14
- 5. Woodbine Bypass/404 North Employment Lands Sewer 15

# GO Transit – Hagerman Grade Separation

| Project GO Transit - Hagerman Grade Separation – Servicing Relocation |                          |  |  |   |  |  |  |
|---|--------------------------|--|--|---|--|--|--|
|   | Environmental Assessment | Design   | Approvals  | Property Acquisition  | Construction                           | Total Project Costs  | Key Issues/Actions   |
| previous status<br>(Council report June 27 <sup>th</sup> 2006)        | Completed (GO Transit)   | <ul style="list-style-type: none"> <li>Underway by GO Transit design/build contractor</li> </ul>   | to be determined when preliminary design work complete | to be determined when preliminary design work complete  | Scheduled summer 2006 to December 2007 | Estimated \$3.6 million  | <ul style="list-style-type: none"> <li>Incorporation of Town's preferred designs into contract</li> <li>Negotiation of Town costs with GO design/build contractor</li> <li>Funding of Town services</li> </ul> |
| Current status  | Completed (GO Transit)   | <ul style="list-style-type: none"> <li>By GO Transit design/build contractor</li> <li>Negotiations underway with GO, Region of York and City of Toronto to coordinate servicing relocations</li> </ul> | Memorandum of Understanding signed with GO Transit     | GO Transit responsible for all property acquisitions Negotiations with property owners underway | Completion accelerated to fall 2007    | <ul style="list-style-type: none"> <li>Estimated \$3.6 million</li> <li>Front end financing to be provided by GO Transit,</li> <li>repayment plan finalized</li> </ul> | <ul style="list-style-type: none"> <li>Negotiation of Town costs with GO design/build contractor</li> <li>Confirmation of final design details and costing</li> </ul>  |

# Highway 7 Trunk Sanitary Sewer

| Project Highway 7 Trunk Sanitary Sewer – Village Parkway to YDSS @ Main Street Unionville |   |  |  |  |                            |                         |  |
|---|---|--|--|--|----------------------------|-------------------------|--|
|   | Environmental Assessment  | Design   | Approvals  | Property Acquisition   | Construction               | Total Project Costs     | Key Issues/Actions   |
| previous status (Update Report April 28 <sup>th</sup> 2006)                               | Completed June 2003   | Scheduled summer/fall 2006 pending approval of consultant RFP  | Region of York, MOE, TRCA, CN Rail & GO Transit approvals required | Easements may be required depending on final sewer alignment | Scheduled spring/fall 2007 | Estimated \$2.7 million | <ul style="list-style-type: none"> <li>• Coordination with Region's reconstruction of Highway 7</li> <li>• Review of alternate alignments to avoid Rouge River crossing</li> <li>• Negotiations with developers regarding front end financing</li> </ul>                             |
| Current status  | <ul style="list-style-type: none"> <li>• Completed June 2003</li> <li>• EA amendment required to address Main Street South alignment</li> </ul> | <ul style="list-style-type: none"> <li>- Consultant retained, design underway</li> <li>- Scheduled completion late 2006</li> </ul> | Region of York, MOE, TRCA, CN Rail & GO Transit approvals required | Easements may be required depending on final sewer alignment | Scheduled spring/fall 2007 | Estimated \$3.3 million | <ul style="list-style-type: none"> <li>• reconstruction of Highway 7 deferred to allow sewer construction to proceed</li> <li>• Main Street South alignment selected to avoid Rouge River crossing,</li> <li>• Negotiations with developers regarding front end financing</li> </ul> |



# Highway 7 Stormwater Management Facility

| Project Highway 7 Corridor Stormwater Management incl. Sheridan SWM Pond |                          |   |   |   |              |   |   |
|--|--------------------------|---|---|---|--------------|---|---|
|  | Environmental Assessment | Design  | Approvals   | Property Acquisition  | Construction | Total Project Costs   | Key Issues/Actions  |
| previous status (Update Report April 28 <sup>th</sup> 2006)              | Draft completed          | Scheduled summer/fall 2005  | Applications to be submitted when design complete | Property required from Sheridan Nurseries and Lonsmount Construction  | Fall 2006    | Estimated \$4.1 million   | <ul style="list-style-type: none"> <li>• Property acquisition</li> <li>• Coordination with Region's reconstruction of Highway 7</li> </ul>  |
| Current status   | Completed February 2005  | Design work on hold pending resolution of Sheridan property acquisition and testing | Region of York, MOE & TRCA, approvals required    | <ul style="list-style-type: none"> <li>• Negotiations with Sheridan Nurseries ongoing</li> <li>• Agreement expected September 2006</li> </ul> | Fall 2007    | Estimated \$6.4 million increased costs due to property acquisition | <ul style="list-style-type: none"> <li>• Property acquisition</li> <li>• Coordination with Region's reconstruction of Highway 7</li> <li>• Phased construction of pond</li> <li>• Resolution of TRCA issues</li> <li>• Front end financing by developers</li> </ul> |

# 14<sup>th</sup> Avenue Watermain

| Project 14 <sup>th</sup> Avenue Trunk Watermain - McCowan Road to Boxwood Ave |                          |           |                    |                                 |   |   |   |
|---|--------------------------|-----------|--------------------|---------------------------------|---|---|---|
|   | Environmental Assessment | Design    | Approvals          | Property Acquisition            | Construction  | Total Project Costs                       | Key Issues/Actions  |
| previous status<br>(Update Report April 28 <sup>th</sup> 2006)                | Not required             | completed | Approvals received | Property acquisitions completed | Start July 2006<br>completion January 2007                    | \$5.9 million<br>(based on tender prices) | <ul style="list-style-type: none"> <li>• Work restrictions within roadway</li> <li>• Traffic control &amp; lane closures</li> <li>• Weekend &amp; night work</li> <li>• DC by-law to include updated cost</li> </ul>                    |
| Current status  | Not required             | completed | Approvals received | Property acquisitions completed | Construction to commence August 2006<br>completion March 2007 | \$5.9 million<br>(based on tender prices) | <ul style="list-style-type: none"> <li>• Clearance from existing utilities incl. hydro lines</li> <li>• Traffic control &amp; lane closures</li> <li>• Weekend &amp; night work</li> <li>• DC by-law to include updated cost</li> </ul> |

# Woodbine Bypass/404 North Employment Lands Trunk Sewer

| Project Woodbine Bypass/404 North Employment Lands Trunk Sanitary Sewer |                          |   |  |  |   |                         |   |
|---|--------------------------|---|--|--|---|-------------------------|---|
|   | Environmental Assessment | Design  | Approvals  | Property Acquisition                                   | Construction  | Total Project Costs     | Key Issues/Actions  |
| previous status (Update Report April 28 <sup>th</sup> 2006)             | not required             | Design underway<br>scheduled completion August 2006   | TRCA and MOE approvals required  | None required<br>Will be constructed within Bypass ROW | Scheduled start September 2006<br>completion December 2006  | Estimated \$2.6 million | <ul style="list-style-type: none"> <li>Extent of dewatering and dewatering impacts</li> <li>Construction methods</li> </ul>   |
| Current status  | not required             | <ul style="list-style-type: none"> <li>Design underway</li> <li>scheduled completion August 2006</li> </ul> | TRCA and MOE approvals required<br>Initial Permit to Take Water received | None required<br>Will be constructed within Bypass ROW | <ul style="list-style-type: none"> <li>Scheduled start December 2006</li> <li>completion summer 2007</li> </ul> | Estimated \$2.6 million | <ul style="list-style-type: none"> <li>Extent of dewatering and impact on Victoria Square</li> <li>Construction methods</li> <li>Servicing of adjacent lands</li> </ul> |

# Transportation



- 1. Bike Path System
- 2. Travel Demand Management

Pgs

16

17

# Bike Path System

| No Project Bicycle Route Study                               |                          |   |  |                      |   |                                 |  |
|--|--------------------------|---|--|----------------------|---|---------------------------------|--|
|  | Environmental Assessment | Design  | Approvals  | Property Acquisition | Construction  | Total Project Costs             | Key Issues/Actions   |
| previous status (Update Report April 28 <sup>th</sup> 2006)) | Not required             | Design of Phase 1 complete<br>Phase 2 completion scheduled fall 2006  | Not required for Phase 1<br>Region approval required for Phase 2 | Not required         | Phase 1 scheduled summer 2006   | \$600,000                       | <ul style="list-style-type: none"> <li>• Incorporation into Region's Pedestrian &amp; Cycling Master Plan</li> <li>• Cost sharing negotiations</li> </ul>  |
| Current status   | Not required             | Public Open House held June 29 and comments being received from public and stakeholders until Sept. 1, 2006 | Council approval required for Cycling Master Plan fall 2006      | Not required         | <ul style="list-style-type: none"> <li>• 'Spine network' scheduled for fall 2006</li> <li>• tendered June 2006</li> <li>• no bidders submissions</li> <li>• reformatting tender to obtain bids</li> </ul> | Est. \$25 million over 15 years | <ul style="list-style-type: none"> <li>• implementation plan and financing required</li> <li>• Coordination with Region and Town</li> <li>• Obtaining contractor to undertake Phase 1 Fall 2006</li> </ul> |

# Travel Demand Management

| Project  | Travel Demand Management |   |   |                      |                |                     |  |
|--|--------------------------|---|---|----------------------|----------------|---------------------|--|
|  | Environmental Assessment | Design  | Approvals   | Property Acquisition | Construction   | Total Project Costs | Key Issues/Actions   |
| previous status<br>(Update Report April 28 <sup>th</sup> 2006) | Not required             | Transportation Management Association (TMA) formed in August 2005<br>Town commuter options program on-going<br>Elementary School program framework established<br>Secondary School program framework established<br>Community based TDM program launch scheduled for Fall of 2006 |   | Not applicable       | Not applicable | \$100,000           | <ul style="list-style-type: none"> <li>• Ongoing support for program beyond March 2007</li> <li>• Development of policy framework to support &amp; sustain Markham employee commuter options program</li> <li>• Discussions with York School Board regarding support for TDM programs</li> </ul> |
| Current status   | Not required             | <p>GO Transit Markham Stations access Study and carpool pilot project</p> <p>CMHC Study to support introduction of a Community Based TDM program</p> <p>Telework Feasibility study conducted for Town employees</p>   | <p>GO Transit approval required</p> <p>Council approval required</p> <p>Under review with CCC</p> | Not applicable       | Not applicable | \$50,000            | <ul style="list-style-type: none"> <li>• Working with GO Transit to introduce a ride share (carpool) pilot program</li> <li>• Community based TDM program to be developed</li> <li>• Telework Pilot Project under review</li> </ul>  |

# Environmental

|   | Pgs |
|---|-----|
| ● 1. Pomona Mills Creek Erosion & Habitat Enhancement Study | 18  |
| ● 2. Flood Emergency Preparedness Plan                      | 19  |
| ● 3. Watercourse Erosion Implementation Plan                | 20  |

# Pomona Mills Creek Erosion & Habitat Enhancement Study

| <b>Project Pomona Creek Environmental Study</b>                |  |                |  |   |                     |                            |  |
|--|--|----------------|--|---|---------------------|----------------------------|--|
|  | <b>Environmental Assessment</b>  | <b>Design</b>  | <b>Approvals</b>   | <b>Property Acquisition</b>                   | <b>Construction</b> | <b>Total Project Costs</b> | <b>Key Issues/Actions</b>  |
| previous status<br>(Update Report April 28 <sup>th</sup> 2006) | Consultant retained  | Not applicable | 1 <sup>st</sup> Public Information Meeting scheduled July 2006<br>2 <sup>nd</sup> PIC scheduled October 2006<br>EA completed November 2006                     | Requirements will be identified as part of EA | Not applicable      | EA costs \$104,000         | <ul style="list-style-type: none"> <li>Discussions with YRTP regarding proposed transit maintenance facility proposed for lands adjacent to creek in Langstaff area</li> <li>Coordination with Langstaff planning &amp; servicing studies</li> </ul>         |
| Current status   | <ul style="list-style-type: none"> <li>Substantially complete</li> <li>1<sup>st</sup> Public Meeting end of August TBD</li> <li>meeting #2 with Task Force on Sept. 6 to discuss Alts</li> </ul> | Not applicable | <ul style="list-style-type: none"> <li>Task Force to review and approve list of Alts.</li> <li>Council to approve study recommendations (Nov. 2006)</li> </ul> | Requirements will be identified as part of EA | Not applicable      | \$104,000                  | <ul style="list-style-type: none"> <li>Funding sources</li> <li>Toronto Ladies Golf Course – update water status</li> <li>Recreational Trail Master Plan – provide update on Master Plan</li> <li>Glynnwood Pond and storm sewer surcharge issues</li> </ul> |



# Flood Emergency Response Plan

| Project Emergency Response Plan                                |                          |   |   |                      |                |   |  |
|--|--------------------------|---|---|----------------------|----------------|---|--|
|  | Environmental Assessment | Design  | Approvals   | Property Acquisition | Construction   | Total Project Costs   | Key Issues/Actions   |
| previous status<br>(Update Report April 28 <sup>th</sup> 2006) | Consultant retained      | Draft response for Phase 1 (100 year storm event) completed and circulated internally | To be determined  | To be determined     | Not Applicable | To be determined  | Subsequent Study Phases in 2006/2007 will review impact of other storms and identify remedial works  |
| Current status<br>Phase 1 Completed                            | Consultant retained      | Flood data/ maps for stage 5 provided to fire and emergency Services                  | <ul style="list-style-type: none"> <li>approval for \$85,000 to start Phase 2 required</li> </ul> | Not Applicable       | Not Applicable | <ul style="list-style-type: none"> <li>Phase 1 and 2 = \$130,250</li> <li>Phase 3 to be determined at the end of Phase 2</li> </ul> | <ul style="list-style-type: none"> <li>Additional properties falling with Regional flood lines.</li> <li>Coordination and prioritization of capital program to mitigate flood damages (to be determined in Phase 3)</li> </ul> |

# Water Course Erosion Implementation Plan

| Project Water Course Erosion Implementation Plan            |   |   |  |  |                           |   |   |
|---|---|---|--|--|---------------------------|---|---|
|   | Environmental Assessment  | Design  | Approvals  | Property Acquisition   | Construction              | Total Project Costs   | Key Issues/Actions  |
| previous status (Update Report April 28 <sup>th</sup> 2006) | Consultant retained   |   | To be determined   | To be determined   | Not Applicable            | 1st Public Information Meeting deferred to May 18, 2006<br>Update to Committee of the Whole on April 25, 2006 | <ul style="list-style-type: none"> <li>Report back to Committee in the Fall 2006 with guidelines on private property and final implementation plan</li> </ul> |
| Current status  | <ul style="list-style-type: none"> <li>EA completion fall 2006</li> </ul> | <ul style="list-style-type: none"> <li>Conceptual designs for top 30 sites incl. in EA</li> <li>Consultant to be retained fall 2006 for detailed design of top 6 sites</li> </ul> | <ul style="list-style-type: none"> <li>TRCA</li> <li>Council approval Fall 2006</li> </ul> | <ul style="list-style-type: none"> <li>To be determined</li> <li>Construction easements may be required</li> </ul> | 6 sites scheduled in 2007 | To be finalized   | <ul style="list-style-type: none"> <li>Guidelines for work on private property to be developed</li> <li>Update to Council on policies Fall 2006</li> </ul>    |