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ROADS CAPITAL CONSTRUCTION PROGRAM UPDATE

The Transportation and Works Committee recommends:

- 1. Receipt of the presentation by Stephen Collins, Manager, Engineering, Roads Branch, Transportation Services Department; and**
- 2. Adoption of the recommendation contained in the following report dated June 4, 2009, from the Commissioner of Transportation Services.**

1. RECOMMENDATION

It is recommended that:

1. This report be received for information.

2. PURPOSE

This report provides an update on the status of the 2009 Roads Capital Construction Program.

3. BACKGROUND

The 2009 Roads Capital Budget was approved for \$197.5M, which consists of \$110.9M new 2009 budget plus \$86.6M carried forward from unspent 2008 budget. Approximately \$176.2M was allocated to major road related construction projects such as road widenings, road resurfacings and bridge rehabilitation of which \$154.0M is directly controlled by the Roads Project Managers. The remaining \$22.2M is indirectly controlled, which means that these projects are primarily managed by outside agencies and the Region is a cost-sharing partner. This is further summarized in the following table.

Table 1
2008 Approved Capital Budget

Purpose	Amount
Major road-related construction (managed by York's staff)	\$154.0M*
Major road-related construction (managed by others)	\$22.2M
Sub-total	\$176.2M
Road operations capital (ITS, new patrol yard purchase, program support, allocations, etc.)	\$21.3M
TOTAL	\$197.5M

* Subject of this report

The approach used for delivery of Capital projects is to minimize risk and project costs by carefully planning many details in advance. Projects are often tendered throughout the course of the year because of the number of variables to be coordinated, such as property acquisition and approvals required from external agencies. Tender calls are scheduled based on the earliest anticipated date for the completion of the design and contract documents but the tenders are not released until all required permits and properties are acquired, utilities are relocated, and funding (in the case of cost-sharing/recovery from others, front-end financing) is in place. Also, all road and bridge projects are coordinated with any water or wastewater capital infrastructure projects, York Region Transit/VIVA and local municipal initiatives to minimize community disruption and maximize construction efficiencies.

This report describes the status of projects currently underway and the plans for the remaining portion of 2009.

4. ANALYSIS AND OPTIONS

4.1 MAJOR CAPITAL CONSTRUCTION PROGRAM

The construction of many major roads projects are underway and scheduled for completion by the end of 2009

The following major road projects are underway and are scheduled for completion before the end of 2009. These projects are as follows:

- Major Mackenzie Drive from Woodbine Avenue to Kennedy Road, Town of Markham.
- Teston Road from Weston Road to Jane Street, City of Vaughan.
- New interchange at Highway 400 and Teston Road, City of Vaughan.
- Ravenshoe Road from Prout Road to Weir's Sideroad, Town of Georgina.
- Bathurst Street from Mulock Drive to Davis Drive West, Town of Newmarket and Township of King.

- Warden Avenue at Mount Albert Road intersection improvement, Town of East Gwillimbury.
- Ninth Line from Highway 407 to Rose Way, Town of Markham.
- Dufferin Street from Steeles Avenue to Glen Shields Avenue, City of Vaughan.
- Stouffville Road from McCowan Road to Highway 48, Town of Whitchurch-Stouffville.
- Mount Albert Road from east of Colonel Wayling Blvd. to Woodbine Avenue, Town of East Gwillimbury.
- Woodbine Avenue By-pass (Victoria Square) from north of Major Mackenzie Drive to south of 19th Avenue, Town of Markham

Recent tenders for the construction of major roads projects with scheduled completion before the end of 2009

The following road projects have recently been tendered and are scheduled for completion before the end of 2009. These projects are as follows:

- Kennedy Road at Elgin Mills Road intersection improvements, Town of Markham.
- 9th Line at Millard Street intersection improvements, Town of Whitchurch-Stouffville

Upcoming 2009 Construction Tenders

As mentioned previously, to manage risk, the tendering of these major capital infrastructure road projects is contingent on a number of factors all being in place. These factors include but are not limited to property acquisition, permit approvals and water and wastewater infrastructure timing. The following projects are planned to be tendered in 2009. The proposed timing of the tenders is noted Table 2.

Table 2
2009 - Upcoming Construction Tenders

Project	Key Issues	Status
Stouffville Road from Highway 404 to Warden Avenue combined with Stouffville Road from Warden Avenue to McCowan Road.	• Permits • Property acquisition	• Tender Q3 2009 • Anticipated completion summer 2011
Woodbine Avenue from Ravenshoe Road to Morton Avenue, Town of Georgina.	• Coordination with Water and Wastewater infrastructure • Incorporation of Town of Georgina infrastructure	• Tender Q3 2009 • Anticipated completion summer 2011

Langstaff Road from Highway 50 to Highway 27.	• Coordination with MTO/Highway 427 Extension IEA	• Tender Q3 2009* • Anticipated completion fall 2010
York/Durham Line from Steeles Avenue to Highway 401	• Coordination with South East Collector property acquisition and IEA completion • Coordination with TRCA and Rouge Park	• Tender Q4 2009 • Anticipated completion fall 2011

** Subject to expedited review and approval by TRCA for interim watercourse crossing treatment at Rainbow Creek*

4.2 MINOR CAPITAL CONSTRUCTION PROGRAM

In addition to the above major roads projects, many minor capital projects have been tendered and are being constructed in 2009 or will be tendered in 2009 and constructed in 2009 and 2010. The minor capital program includes works such as resurfacing and pavement rehabilitation contracts, minor intersection improvements such as installation or modification of traffic signals and/or illumination and bridge/structure repairs.

Some of the key resurfacing and road rehabilitation projects include:

- Leslie Street – Green Lane to Mount Albert Road (to be completed summer 2009)
- Mount Albert Road – Leslie Street to Colonel Wayling Blvd (to be completed summer 2009)
- Highway 7 – Jane Street to Keele Street (to be completed summer 2009)
- Highway 7 – Main Street, Mkm. to Donald Cousens Parkway (to be completed summer 2009)
- Pine Valley Drive – Steeles Avenue to Langstaff Road (to be completed 2009)
- Dalton Road – Baseline Road to Metro Road (to be completed summer 2009)
- Kennedy Road – Mount Albert Road to Pollock Road (to be completed summer 2009)
- Weston Road – Steeles Avenue to Highway 407 (to be completed summer 2009)
- Highway 7 – Centre Street to Bathurst Street (to be completed summer 2009)
- Highway 7 at Bathurst Street and Bayview Avenue (to be completed summer 2009)

In addition, design and construction work is underway for many minor capital intersection improvement projects, some of which are:

- Bathurst Street at Queensville Sideroad
- Woodbine Avenue at Hooper Road
- 16th Avenue at Red Maple Road
- Bloomington Road at Red Cardinal Trail/Soleil Boulevard
- Woodbine Avenue at Cardico Drive
- Davis Drive West at Keele Street
- Yonge Street at Regatta Avenue

The 2009 Federal budget established a new \$4-billion Infrastructure Stimulus Fund that provides funding towards the rehabilitation or construction of provincial, territorial, municipal and community infrastructure projects. York Region's Transportation Services Roads Branch applied for stimulus funding for several major and minor Roads capital projects. Staff continue to await a decision from the Federal government on which projects will benefit from stimulus funding.

4.3 PLANNING AND DESIGN STUDIES ARE ALSO UNDERWAY FOR A NUMBER OF FUTURE PROJECTS

Environmental Assessments and preliminary engineering activities are continuing on a number of key corridors in preparation for future work as approved in the 2009 10-Year Roads Capital Program. These include:

- Western Vaughan Arterial Road Improvements Individual Environmental Assessment.
- Keele Street from Steeles Avenue to Rutherford Road.
- Leslie Street from Wellington Street to Mulock Drive.
- Bathurst Street from Green Lane to Yonge Street.
- Vaughan Corporate Centre Ramp Connections to Highway 400.
- 2nd Concession from Green Lane to Queensville Sideroad.
- Doane Road from Yonge Street to Woodbine Avenue
- Bathurst Street from Highway 7 to Teston Road/Elgin Mills Road.

It should be noted that several EAs have recently been completed and have achieved *Environmental Assessment Act* clearance to proceed to the implementation phase of the project. These include:

- Leslie Street from Bethesda Sideroad to Bloomington Road.
- 16th Avenue from Donald Cousens Parkway to York/Durham Line.
- Doane Road at Highway 404 Extension Interchange.
- Yonge Street from Mulock Drive to Green Lane (incorporated with VivaNext).

- Davis Drive from Yonge Street to Highway 404 (incorporated with VivaNext).
- Ninth Line from Major Mackenzie Drive to Main Street (including the jog elimination at Main Street, Stouffville).

In addition, environmental assessments to be initiated in 2009 include those for future programmed work in the following corridors:

- Rutherford Road/Carrville Road from Jane Street to Yonge Street.
- Major Mackenzie Drive from Highway 400 to Bathurst Street.
- Jane Street from Steeles Avenue to Major Mackenzie Drive.
- Bathurst Street from Centre Street to Highway 407.
- York/Durham Line from Highway 7 to Bloomington Road

Work is also continuing on the Sustainable Travel Choices (STC) study in the Town of Markham. This study has been designed to complete the work necessary in order to respond to the concerns expressed by the Town of Markham.

It should be noted that the STC study will affect the timing and delivery of several projects in the 10 Year Roads Construction Program in Markham and Richmond Hill. The extent of the effects will not be known until the STC study is complete and the work plans for the corridor specific EAs assessed. The 2009 Roads 10-Year Construction Program accounted for a short delay; however, these projects will be adjusted further in the draft 2010 10-Year Roads Construction Program.

5. FINANCIAL IMPLICATIONS

There are no financial implications resulting from the recommendations contained in this report.

6. LOCAL MUNICIPAL IMPACT

Regional staff continue to work closely with staff from the local municipalities to ensure local concerns are addressed through the preparation for York Region's projects. Furthermore, requirements for additional municipal infrastructure are routinely incorporated into Regional construction contracts where practical. The successful timely delivery of key infrastructure is critical to meet the needs of current residents and businesses as well as approved future growth in York Region.

7. CONCLUSION

York Region continues to invest significant resources in very large infrastructure programs. In 2009, construction has progressed on eleven high profile major capital road projects. Before the end of 2009 and construction of an additional four major capital road projects will be started or tendered.

For more information on this report, please contact Paul Jankowski, General Manager, Roads at extension 5901 in the Transportation Services Department.

The Senior Management Group has reviewed this report.

Roads Capital Construction Program Update

**Transportation & Works
Committee**

June 17, 2009

Purpose

To provide a status update of the 2009 Roads Capital Construction Program.

- ❑ Projects Recently Completed
- ❑ Projects Under Construction
- ❑ Upcoming Construction Tenders
- ❑ Upcoming Pavement Rehabilitation Tenders

Projects Recently Completed



Weston Road, City of Vaughan

(Major Mackenzie Drive to Teston Road) - \$5.0Million

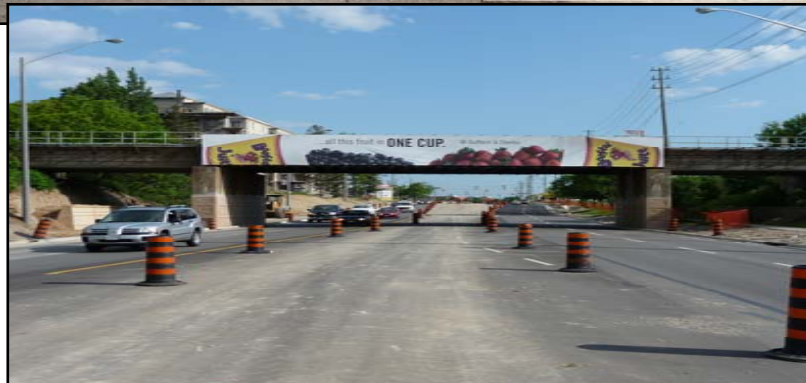


Highway 7, Town of Markham

(Bridge Rehabilitation, between Main St. & Kennedy Rd. - \$1.2M)

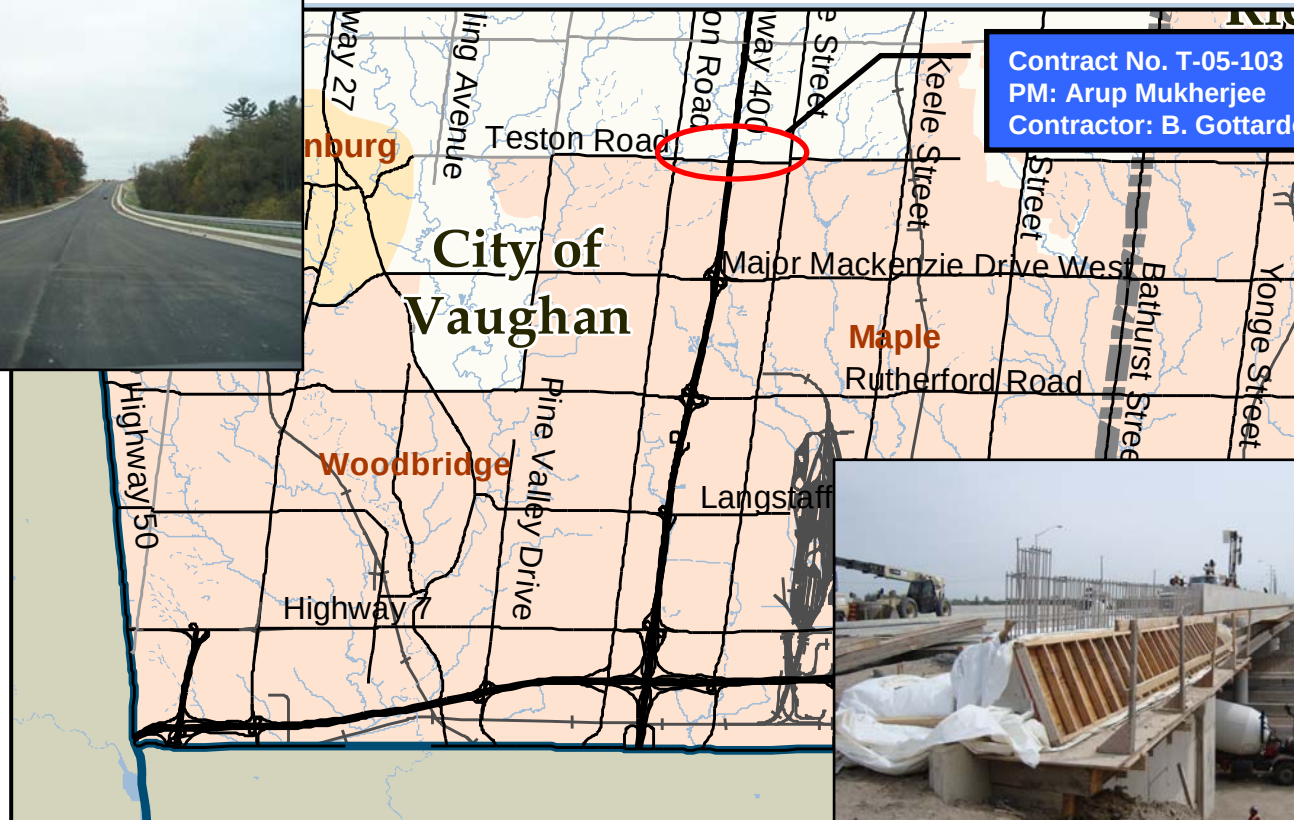


Projects Under Construction



Teston Road, City of Vaughan

(Weston Road to Jane Street, including Highway 400 Interchange)



Contract No. T-05-103
PM: Arup Mukherjee
Contractor: B. Gottardo



\$32.5 Million

- Start of Construction – October 23, 2006
- Re-open Road – July 9, 2009
- Completion – August 2009

90% Completed

Teston Road, City of Vaughan

(Weston Road to Jane Street, including Highway 400 Interchange)

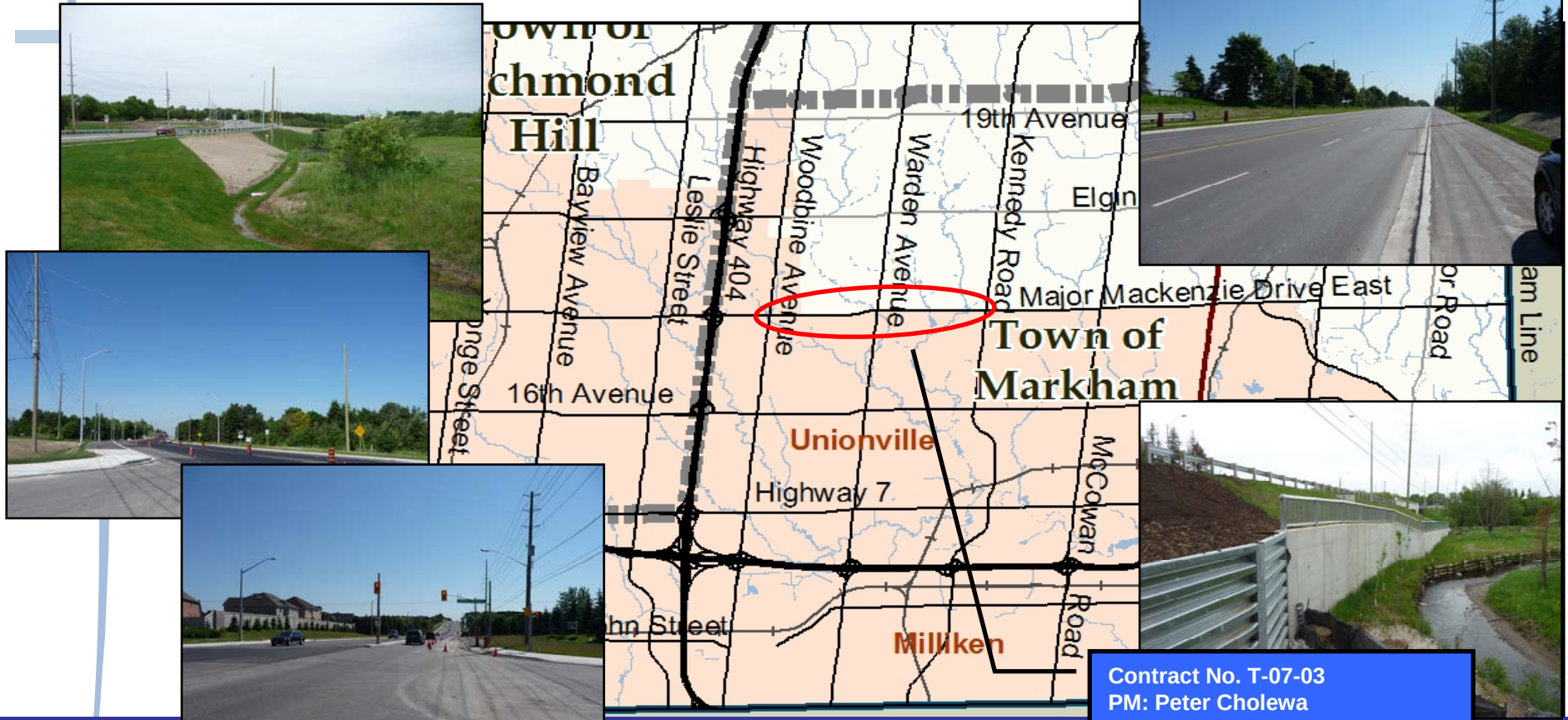


Teston Road, City of Vaughan

(Weston Road to Jane Street, including Highway 400 Interchange)



Major Mackenzie Drive, Town of Markham (Woodbine Avenue to Kennedy Road)



Contract No. T-07-03
PM: Peter Cholewa
Contractor: Kapp Contracting

\$18.3 Million, Incl. Watermain

- Roads component is \$9.9 Million
- Start of Construction – September 2007
- Completion – Early July 2009

95% Completed

Ravenshoe Road, Town of Georgina (Prout Road to Weirs' Sideroad)



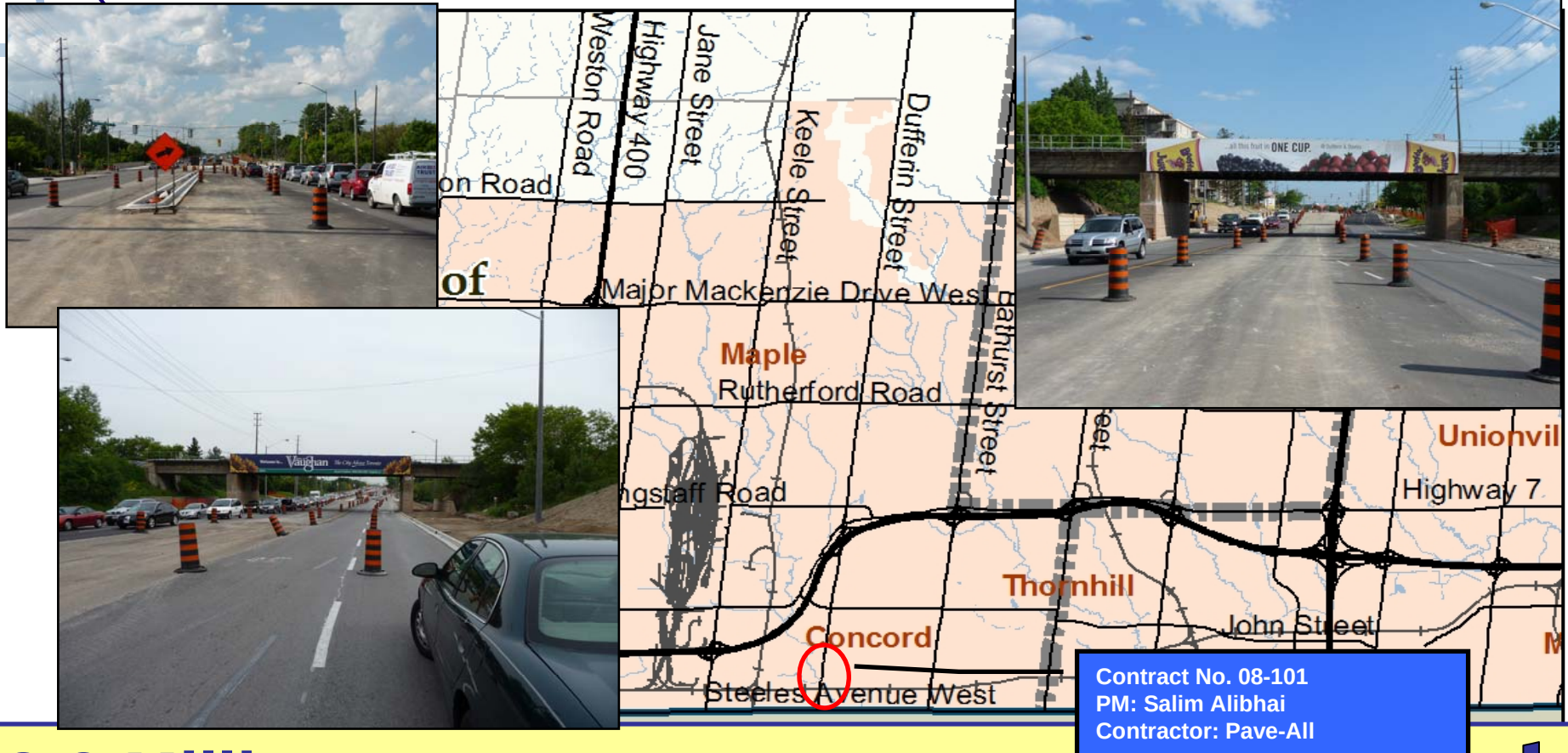
Contract No. 07-108
PM: Salim Alibhai
Contractor: K.J. Beamish

\$12.1 Million

- Start of Construction – January 1, 2008
- Completion – July 2009

90% Completed

Dufferin Street, City of Vaughan (Steeles Avenue to Glen Shields Avenue)



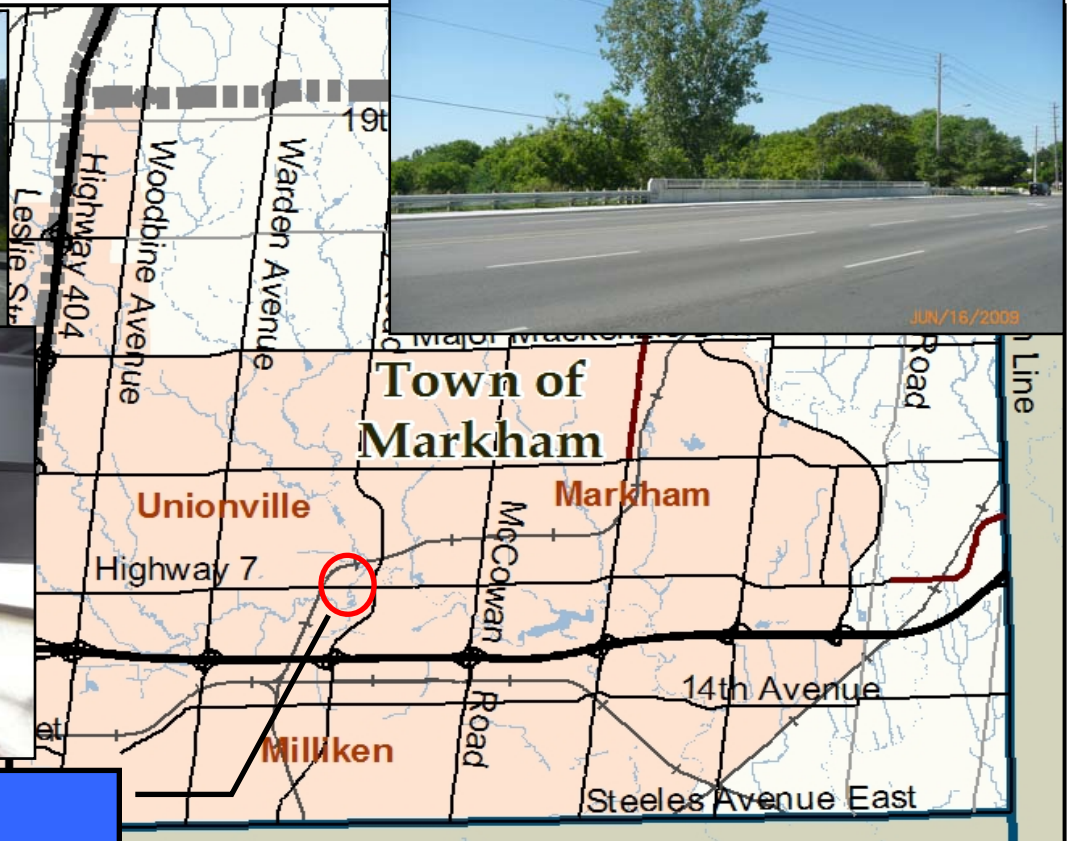
\$8.3 Million

- Start of Construction – September 18, 2008
- Completion – September 2009

65% Completed

Highway 7, Town of Markham

(Rouge River Bridge Rehabilitation, west of Bullock Drive)



Contract No. T-08-102
PM: Peter Cholewa
Contractor: Brennan Paving

\$1.2 Million

- Start of Construction – July 14, 2008
- Completion – Late June 2009

95% Completed

Bathurst Street, Town of Newmarket & Township of King (Mulock Drive to Highway 9)



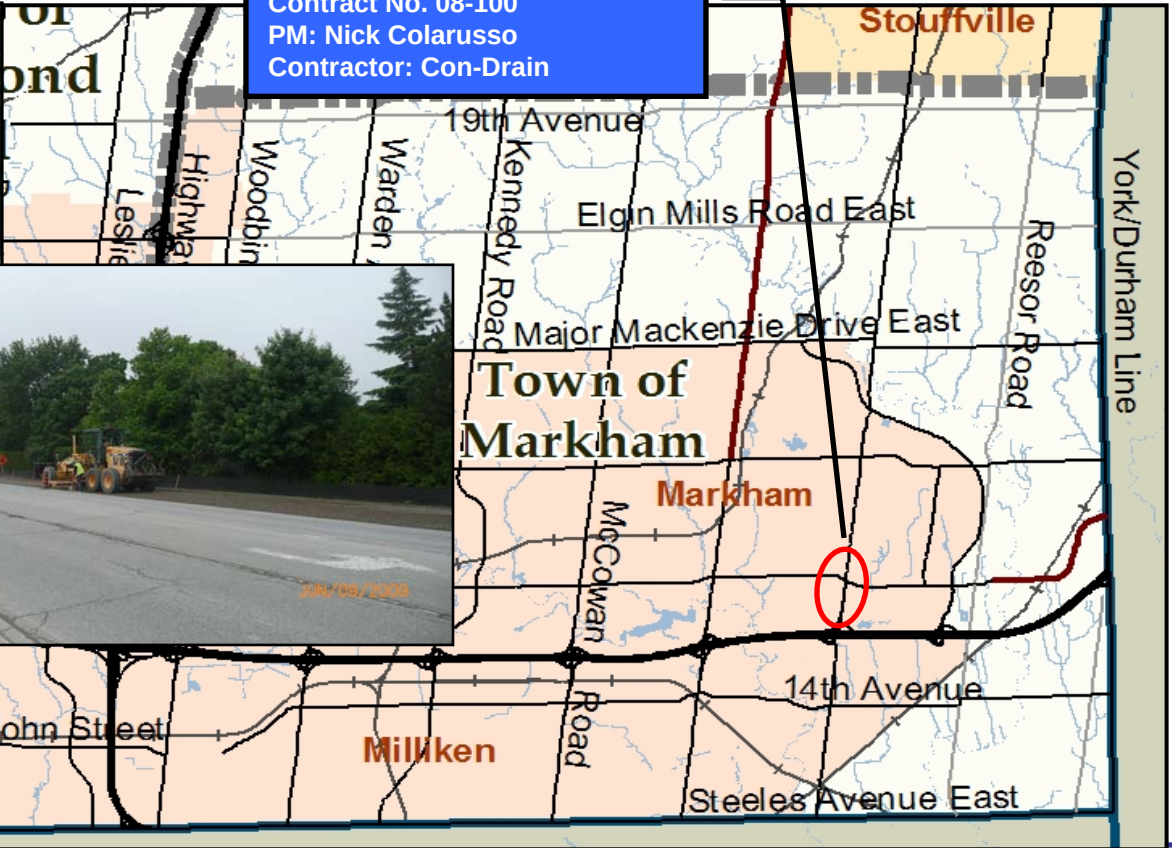
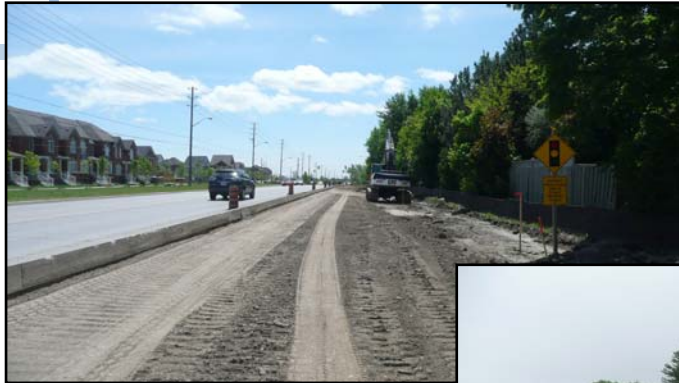
\$4.8 Million

- Start of Construction: May 1, 2009
- Completion: September 2009

20% Completed

The Ninth Line, Town of Markham (Highway 407 to Roseway)

Contract No. 08-100
PM: Nick Colarusso
Contractor: Con-Drain

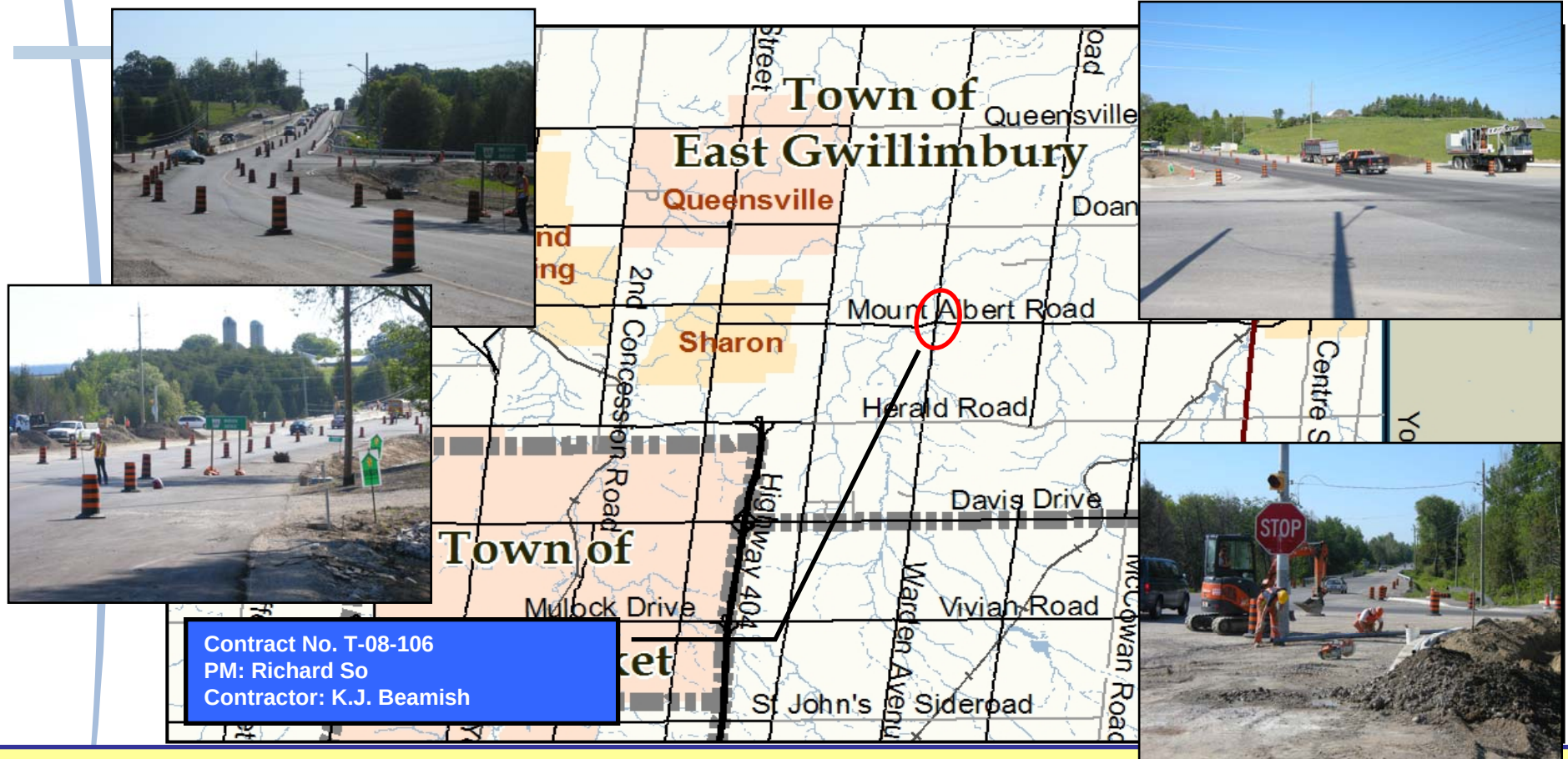


\$4.9 Million

- Start of Construction – May 15, 2009
- Completion – November 2009

5% Completed

Intersection Improvement, Towns of East Gwillimbury & Whitchurch-Stouffville (Warden Avenue at Mount Albert Road)

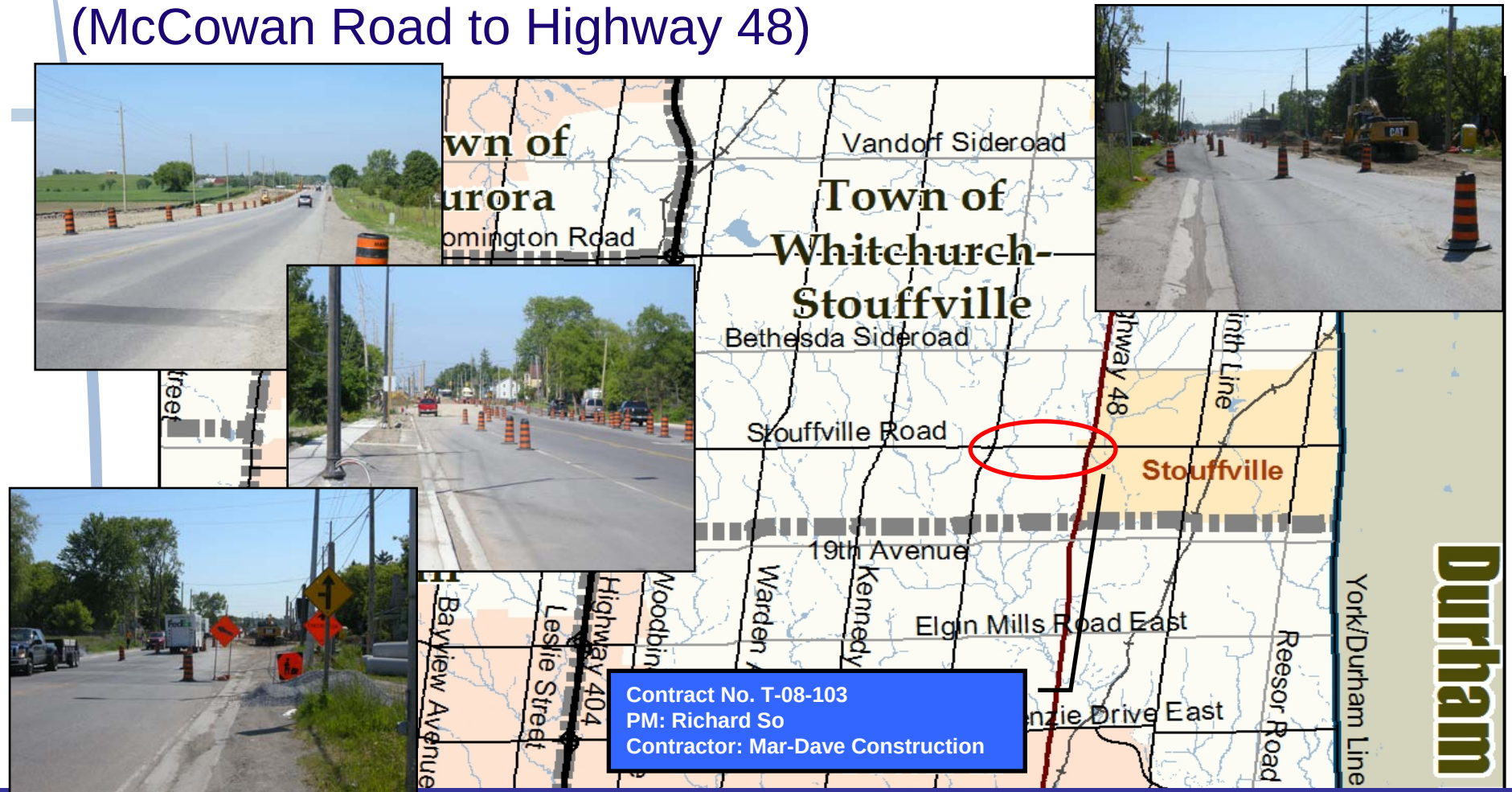


\$2.6 Million

- Start of Construction – September 2008
- Completion – October 2009

75% Completed

Stouffville Road, Town of Whitchurch-Stouffville (McCowan Road to Highway 48)

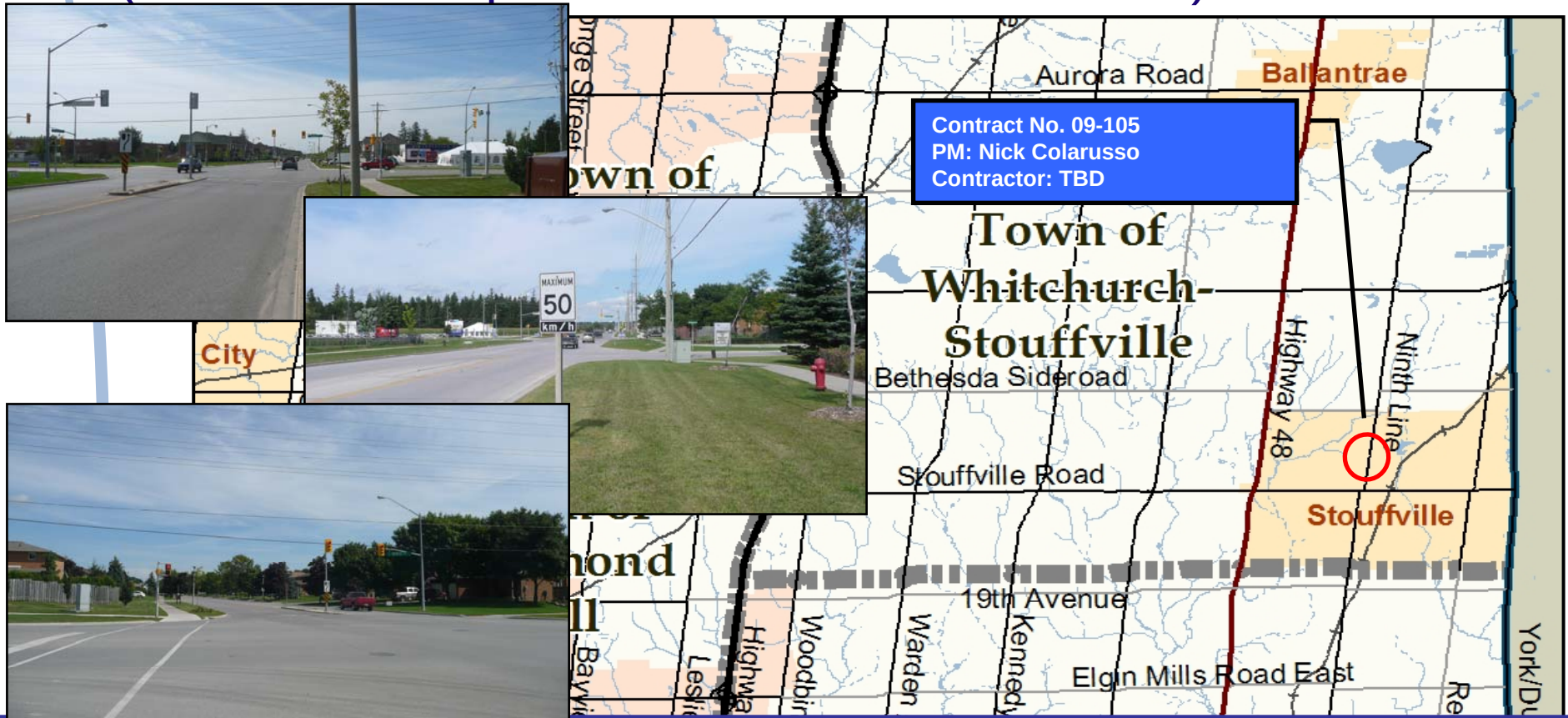


\$8.1 Million, Incl. Watermain

- Roads component is \$4.0 Million
- Start of Construction – August 25, 2008
- Completion – December 2009

40% Completed

The Ninth Line, Town of Whitchurch-Stouffville (Intersection Improvements at Millard Avenue)



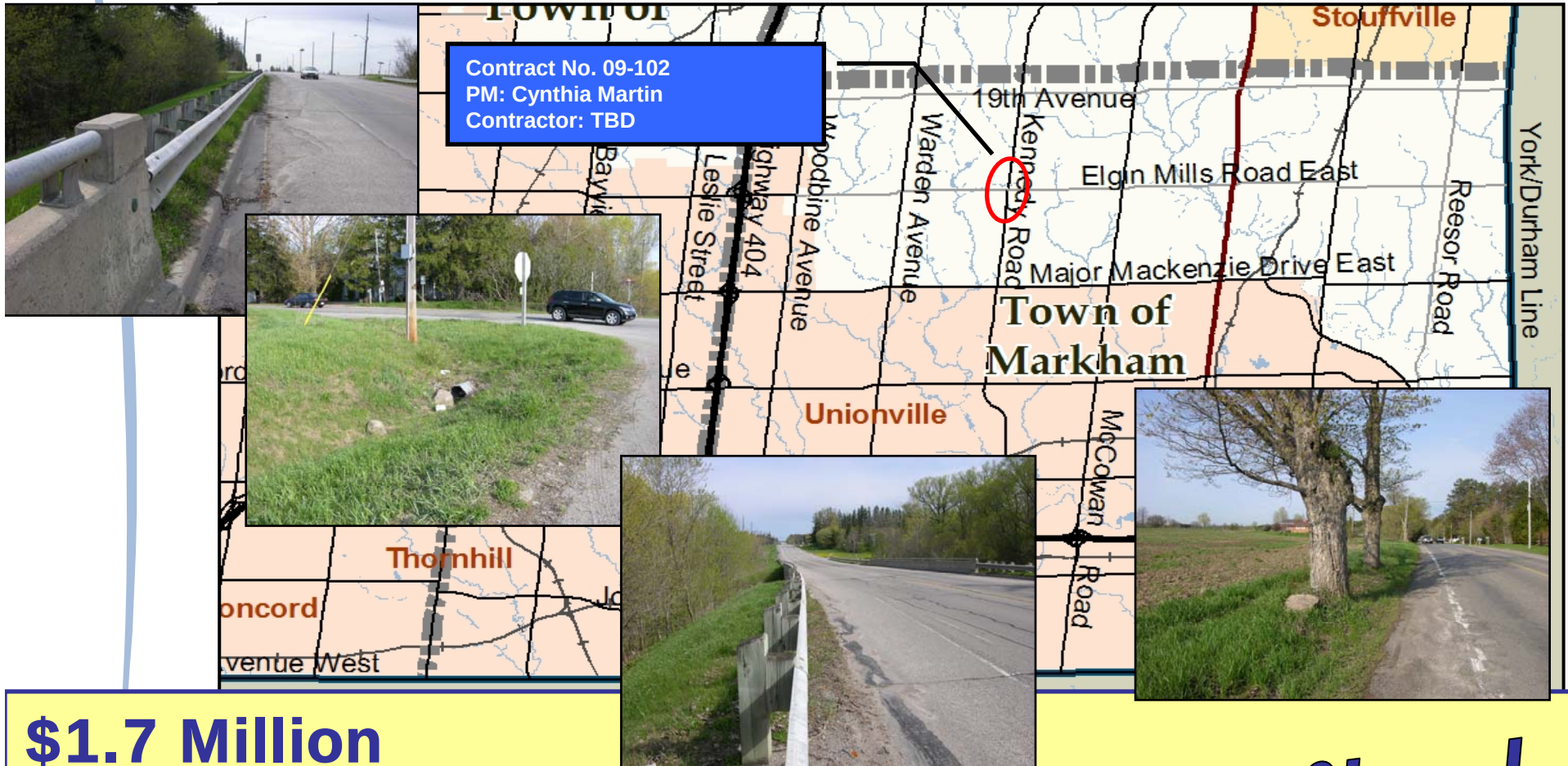
\$150 Thousand (Approx.)

- Start of Construction – August 2009
- Completion – September 2009

Tender Just Closed

Kennedy Road, Town of Markham

(Intersection Improvements at Elgin Mills Road)



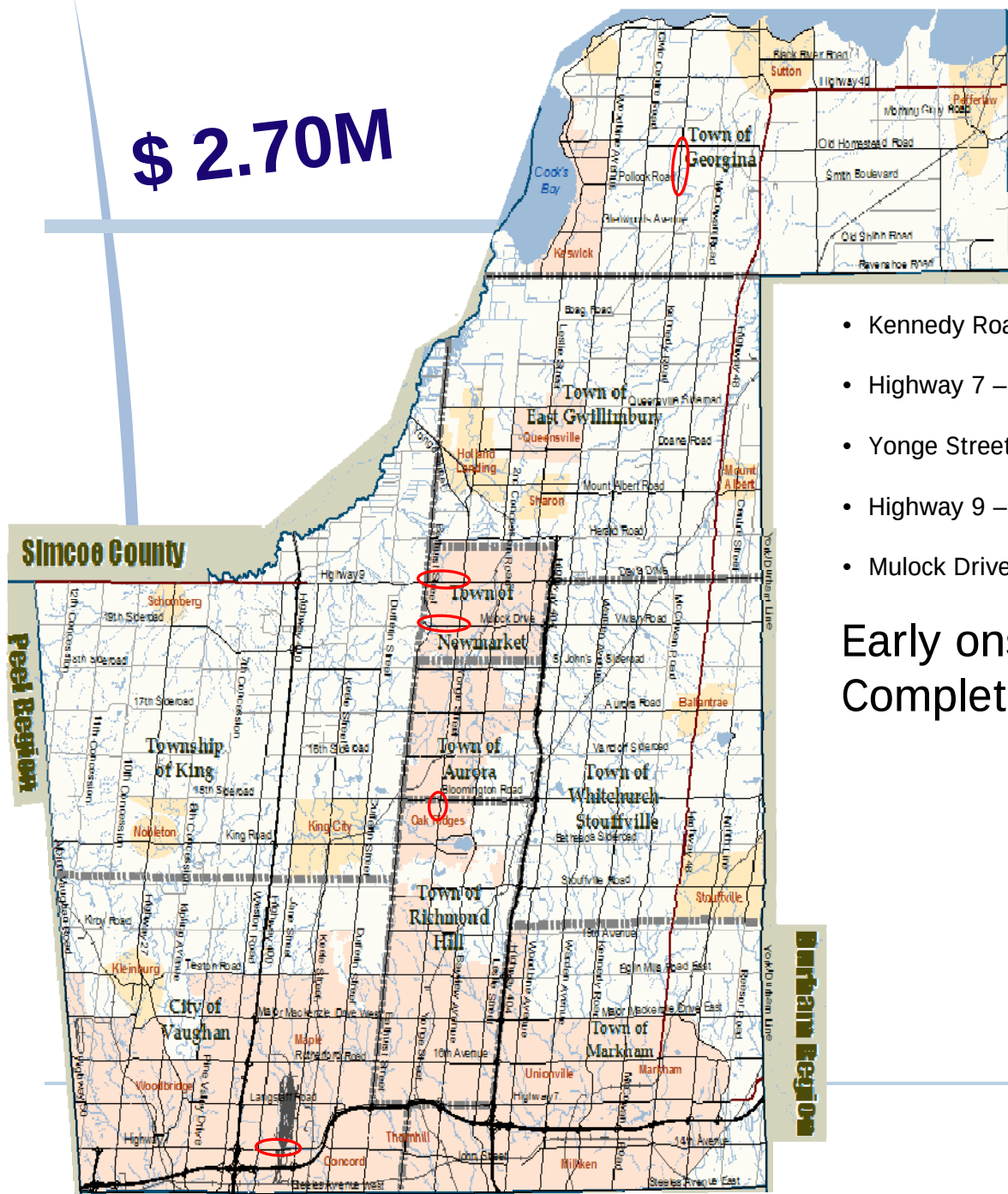
\$1.7 Million

- Start of Construction – August 2009
- Completion – October 2009

Tender Just Closed

\$ 2.70M

2008 Carryover Pavement Re-hab Projects & Tenders



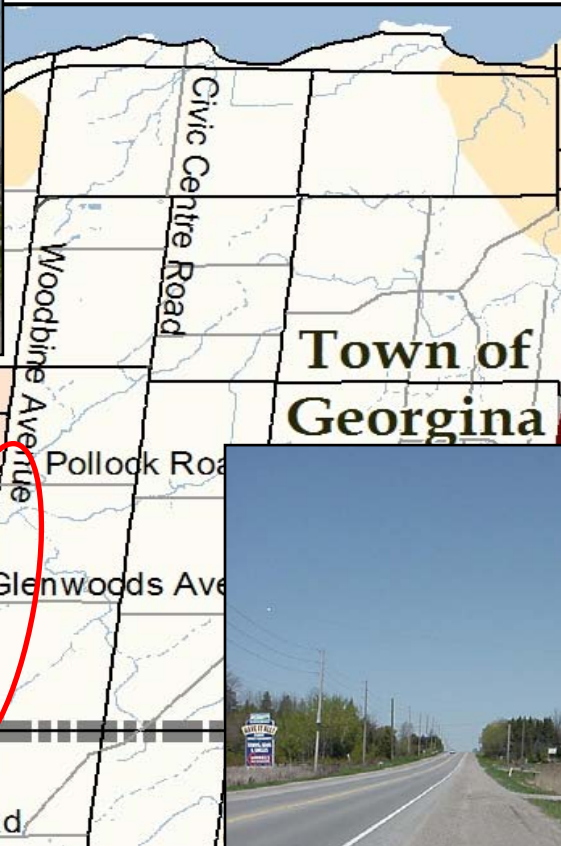
- Kennedy Road – Old Homestead to Pollock Road - \$370K
- Highway 7 – Keele Street to Jane Street - \$1.2M
- Yonge Street – S. of Worthington Ave. to Bloomington Rd. - \$450K
- Highway 9 – Bathurst Street to Yonge Street - \$350K
- Mulock Drive – Bathurst Street to Yonge Street - \$300K

Early onset of winter prevented 2008
Completion



Upcoming Construction Tenders

Woodbine Avenue, Town of Georgina (Ravenshoe Road to Morton Avenue)

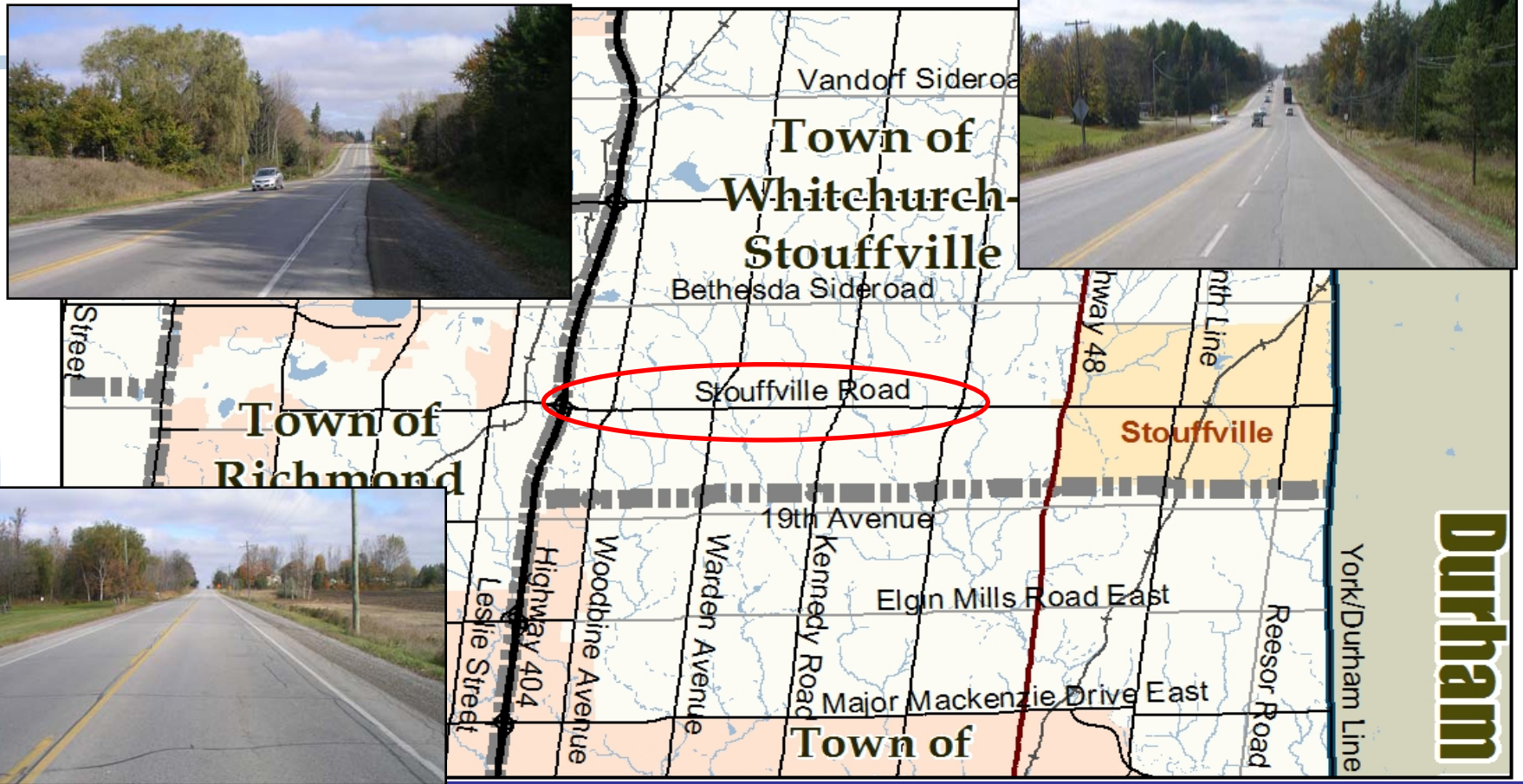


\$52.0 Million, Including W.M & Sanitary Sewer

- Roads component is \$16.0 Million
- Start of Construction – September 2009
- Completion – December 2010

Summer Tender

Stouffville Road, Town of Whitchurch-Stouffville (Highway 404 to McCowan Road)



\$12.5 Million

- Start of Construction – September 2009
- Completion – December 2011

Summer Tender

Langstaff Road, City of Vaughan

(Highway 50 to Highway 27)



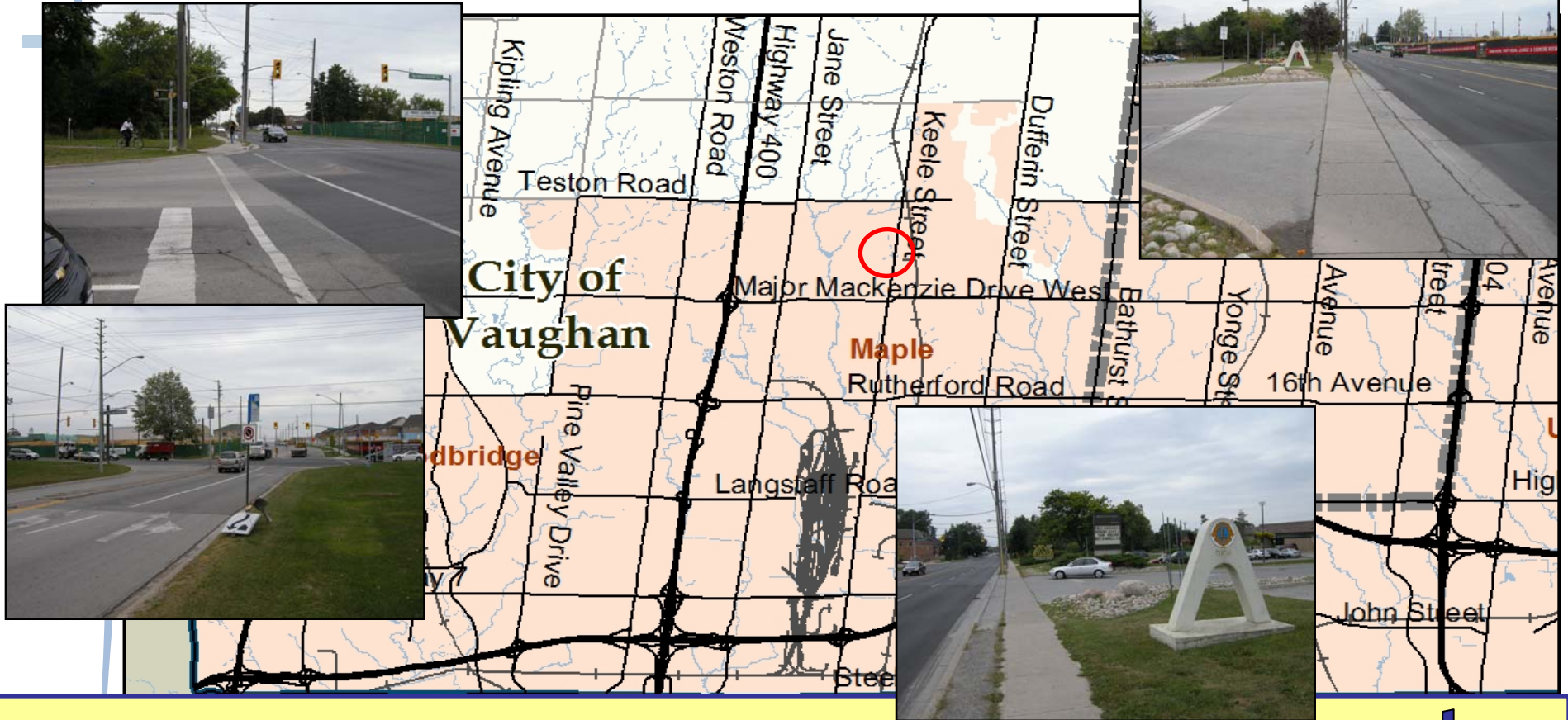
\$10.6 Million

- Start of Construction – September 2009
- Completion – December 2010

Summer Tender

Intersection Improvements, City of Vaughan

(Keele Street at McNaughton Road)



\$735 Thousand

- Start of Construction – October 2009
- Completion – July 2010

Summer 2009 Tender

York-Durham Line, Town of Markham

(Steeles Avenue to Highway 7)



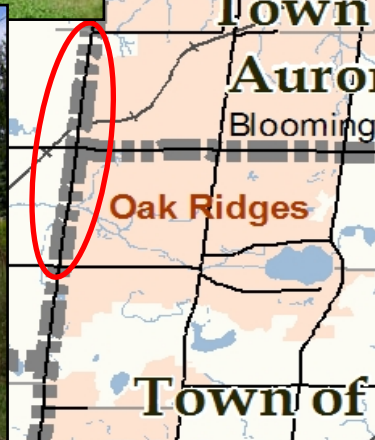
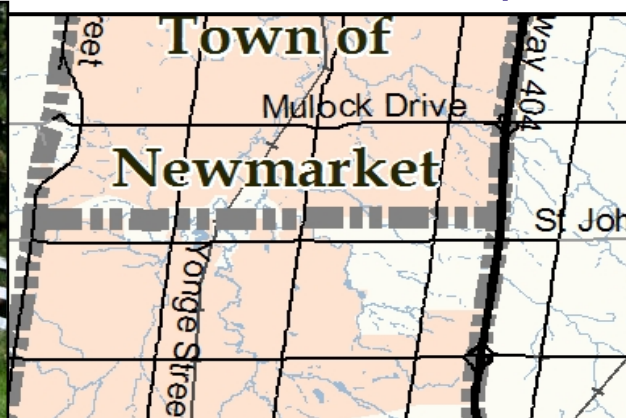
\$21.0 Million

- Start of Construction – October 2009
- Completion – October 2010

2009 Tender

Bathurst Street Noise Mitigation

(Bloomington Road to St. John's Sideroad)



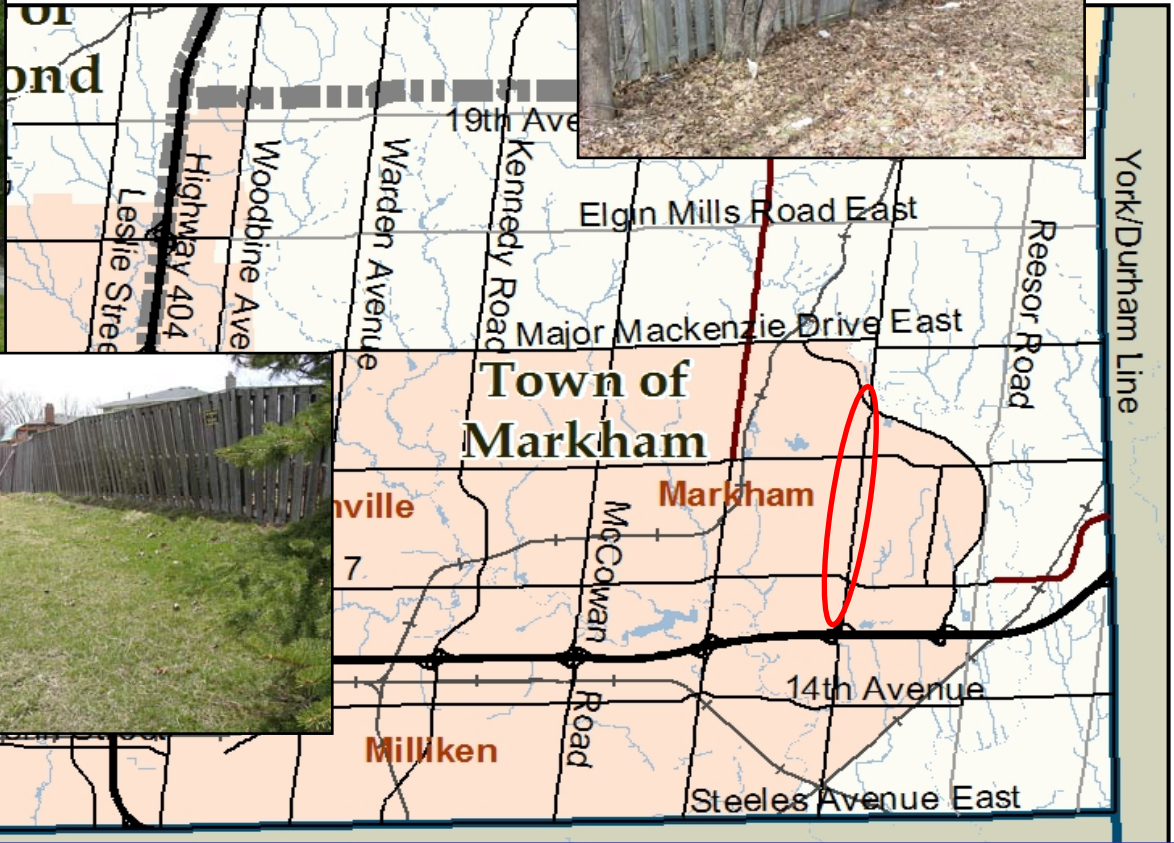
\$ 1.2 Million

- 43 Benefitting Homes
- Late 2009 / Early 2010 Construction

2009 / 2010 Tender

9th Line Noise Mitigation

(Highway 407 to Donald Cousen's Parkway)

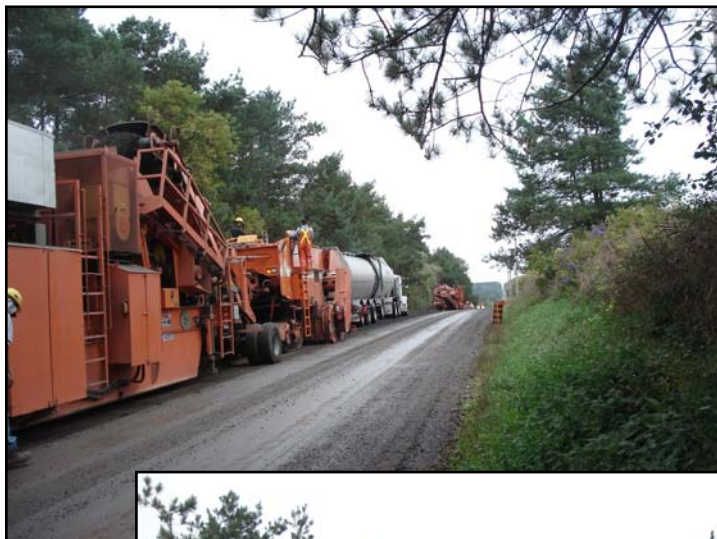


\$1.6 Million

- 110 Benefiting Homes
- Spring 2010 Construction

2009 Tender

Upcoming 2009 Pavement Rehabilitation Tenders

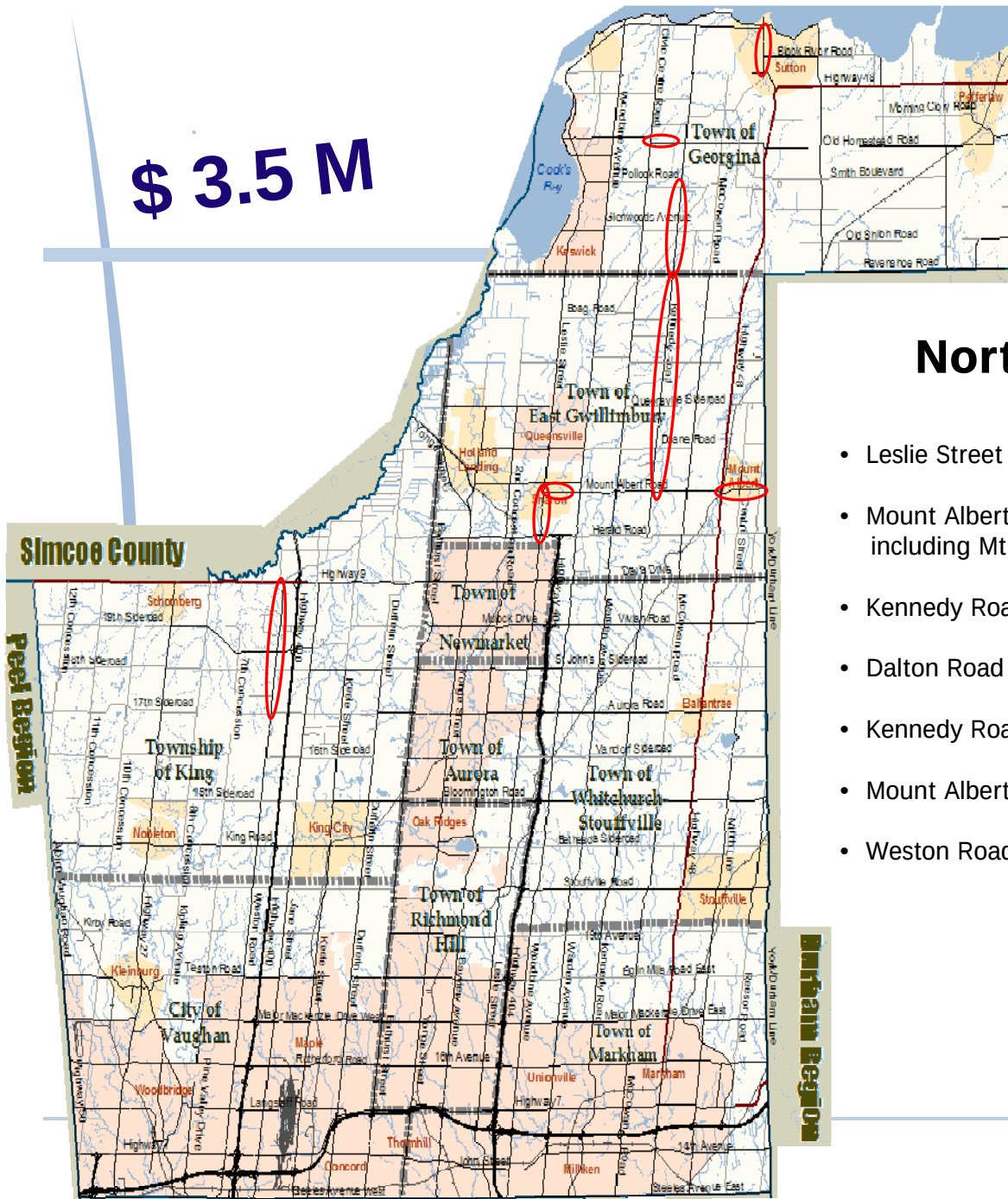


\$ 3.5 M

Upcoming Pavement Re-hab Projects

North of Bloomington Road

- Leslie Street – Green Lane to Mount Albert Road - \$400K
- Mount Albert Road – Leslie St. to Colonel Wayling Blvd., including Mt. Albert Rd. Intersection Improvements - \$900K
- Kennedy Road – Ravenshoe Road to Pollock Road - \$500K
- Dalton Road – Baseline Road to Metro Road - \$800K
- Kennedy Road – Mount Albert Road to Pollock Road - \$470
- Mount Albert Road – Highway 48 to York-Durham Line - \$235K
- Weston Road – Lloydtown Aurora Road to Highway 9 - \$235K

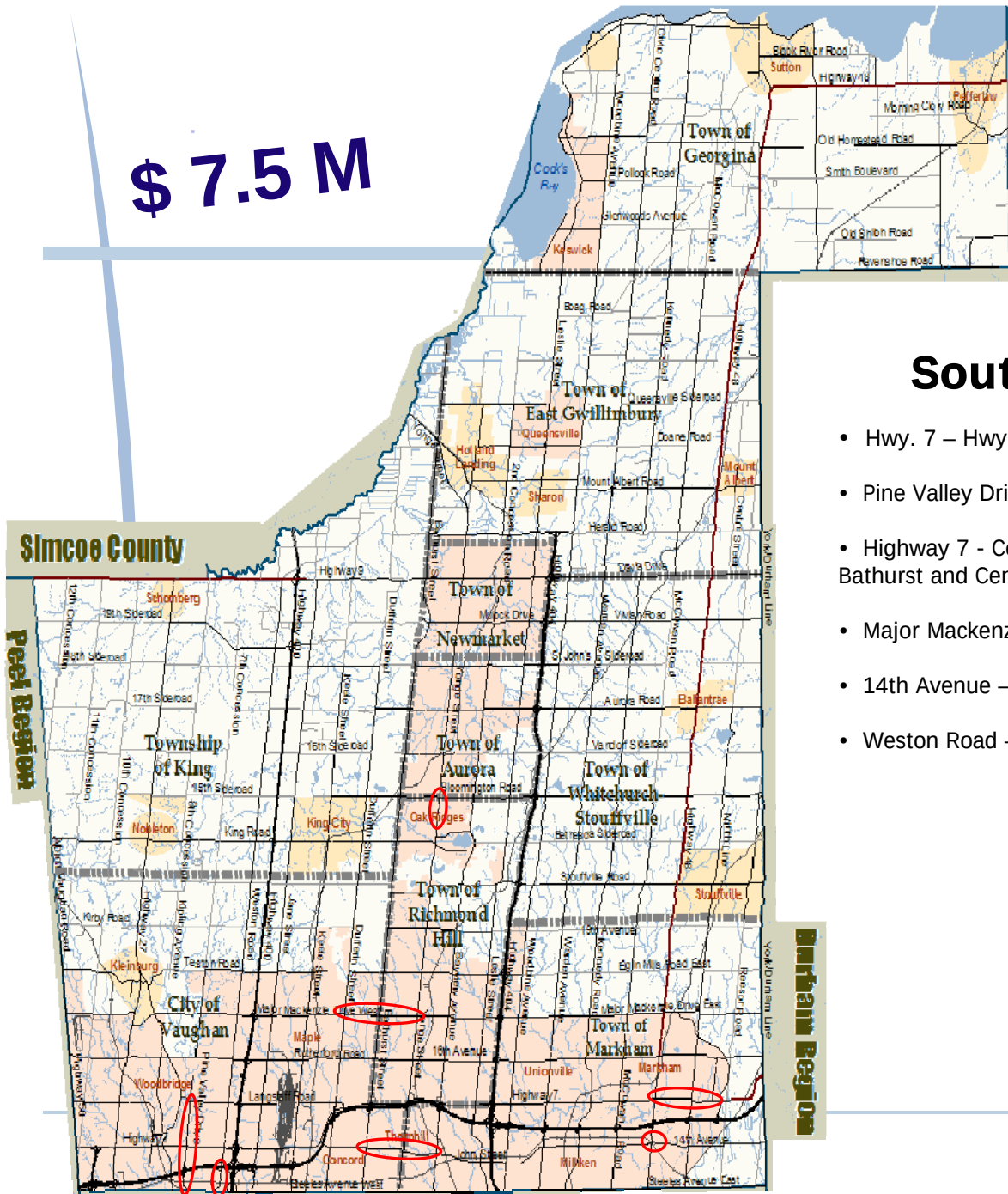


\$ 7.5 M

Upcoming Pavement Re-hab Projects

South of Bloomington Road

- Hwy. 7 – Hwy. 48 / Main St. to Donald Cousen's Pkwy. - \$1.6M
- Pine Valley Drive – Steeles Avenue to Langstaff Road - \$3.0M
- Highway 7 - Centre Street to Bathurst Street, including Ramps at Bathurst and Centre / Bayview - \$970K
- Major Mackenzie Drive – Dufferin Street to Yonge Street - \$400K
- 14th Avenue – Main Street to Ninth Line - \$390K
- Weston Road – Steeles Avenue to Hwy. 407 - \$1.1M



Recently Announced Infrastructure Stimulus Funded Projects

- **Dufferin Street** (Glen Shields Avenue to Langstaff Road)
- **Bathurst Street** (Major Mackenzie Drive to King Road)
- **Bathurst Street** (Steeles to Centre Street)
- **Highway 27** (Nashville Road to Hwy. 9)
- **Keele Street** (Rutherford Road to Major Mackenzie Drive)
- **Warden Avenue** (Steeles Ave. to McPherson Street)
- **Davis Drive** (Patterson drive to Woodbine Avenue)
- **Gamble Road** (Bathurst Street to Yonge Street)
- **Weston Road** (Langstaff Road to Rutherford Road)
- **Old Homestead Road** (Warden Avenue to Station Road)

Summary

- ❑ **2 projects already completed - \$6.2 M**
 - ❑ (Since November 5, 2008)
- ❑ **12 major projects under construction - \$80.6 M**
 - ❑ (\$31.45 M committed for 2009)
 - ❑ 5 pavement rehab projects underway - \$2.7 M
 - ❑ 13 pavement rehab projects already tendered - \$11.0 M
- ❑ **7 major projects to be tendered in 09 - \$63.6 M**
- ❑ **10 Federal Stimulus Funding Projects**