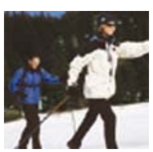



2009 Capital Budget

TRANSPORTATION SERVICES - ROADS

Transportation and Works Committee

Kathleen Llewellyn-Thomas

November 5, 2008

Outline of Presentation

- 2008 Achievements
- Capital Program Drivers
- 2009 Roads 10 Year Capital Program
- 2009 Capital Budget

2008 Achievements

- Asset Management – State of Good Repair
  - Rehabilitated 75 lane kilometres of road
  - Rehabilitated 2 Bridges and 18 Culverts
- Sustainable Growth
  - Completed 8 major capital construction projects (59 new lane kilometres)
  - Completed 2 intersections
- Network Optimization
  - Improved 23 intersections (traffic signals, modifications, and illumination)
  - Implemented improvements in accordance with the Ontarians with Disabilities Act (ODA)
- *Greening Strategy*
  - *Secured 4 conservation properties (150 Hectares)*
  - *Planted 2200 street trees (1250 on capital improvement projects)*

Roads Capital Program Drivers

- Asset Management–State of Good Repair
  - Preserve the value of road assets
  - Maintain levels of service
  - Maintain safety standards

Roads Capital Program Drivers

- ❑ Sustainable Growth
  - ❑Provide road network in urban areas to support residential and commercial/industrial development
  - ❑Build transit supportive road projects
  - ❑Provide for continued effective goods movement

Roads Capital Program Drivers

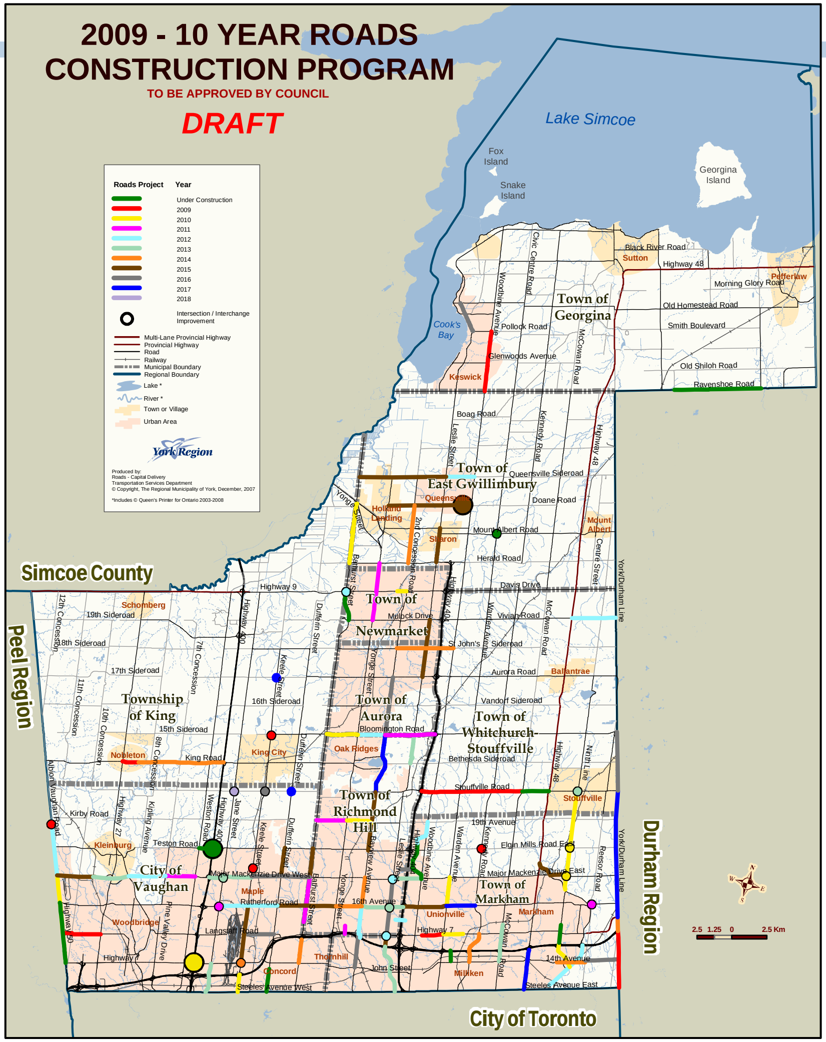
- ❑ Network Optimization
  - ❑ Implement Intelligent Transportation System (ITS) Strategy

  - ❑ Balance all modes
  - Pedestrian / Cycling / Transit / Automobile

  - ❑ Improve intersections

Transportation Services - Roads
10 Year Capital Program
2009-2018

2009 Roads 10 Year Capital Program



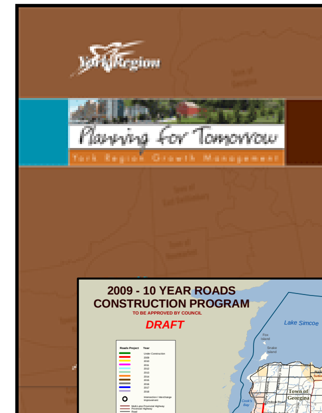
2009 Roads 10 Year Capital Program
Capital Strategy – Key Initiatives

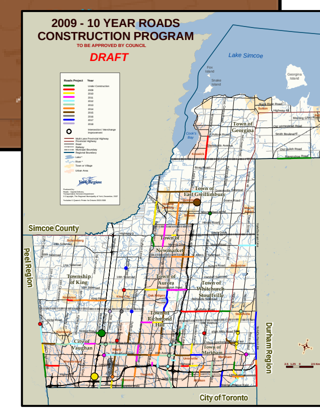
- Asset Management - State of Good Repair
  - Continue with aggressive Road Rehabilitation Program
  - Include steady funding for Bridge Rehabilitation Program
  - Establish Drainage System Rehabilitation Program ($2.5M) (NEW)

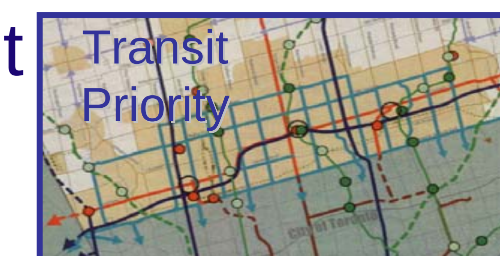
2009 Roads 10 Year Capital Program

Capital Strategy – Key Initiatives

- Sustainable Growth
  - Construct road expansions in built up urban areas to support approved residential and economic developments
  - Build transit supportive road projects including HOV /Transit lanes on key corridors



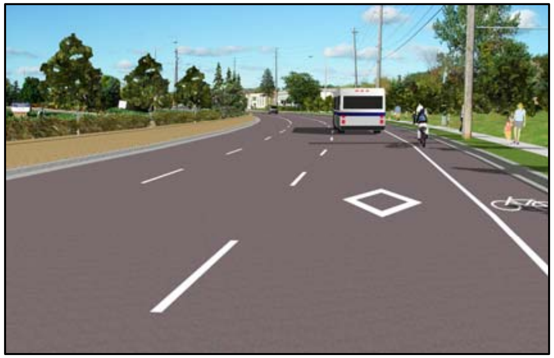




2009 Roads 10 Year Capital Program

Capital Strategy – Key Initiatives

- Network Optimization
  - Implement Intelligent Traffic System (ITS) Strategy
  - Implement Pedestrian/Cycling Program ($5.0M) (NEW)
  - Build strategic intersection capacity improvements



2009 Roads 10 Year Capital Program

2008 and 2009 Funding Envelopes

2008 Roads Capital Plan & Budget

* Funding source		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Tax Levy		35.2	35.0	38.0	41.0	41.2	43.8	40.8	41.1	43.7	41.0
Development Charges		57.9	67.8	78.5	102.2	122.2	120.6	125.3	105.3	108.1	59.0
Debentures			43.9								
Others		9.9	3.8	3.2	2.4	2.6	1.2	2.2	8.9	4.2	7.9
Total Financing		103.1	150.5	119.6	145.5	166.0	165.6	168.3	155.3	156.0	107.8

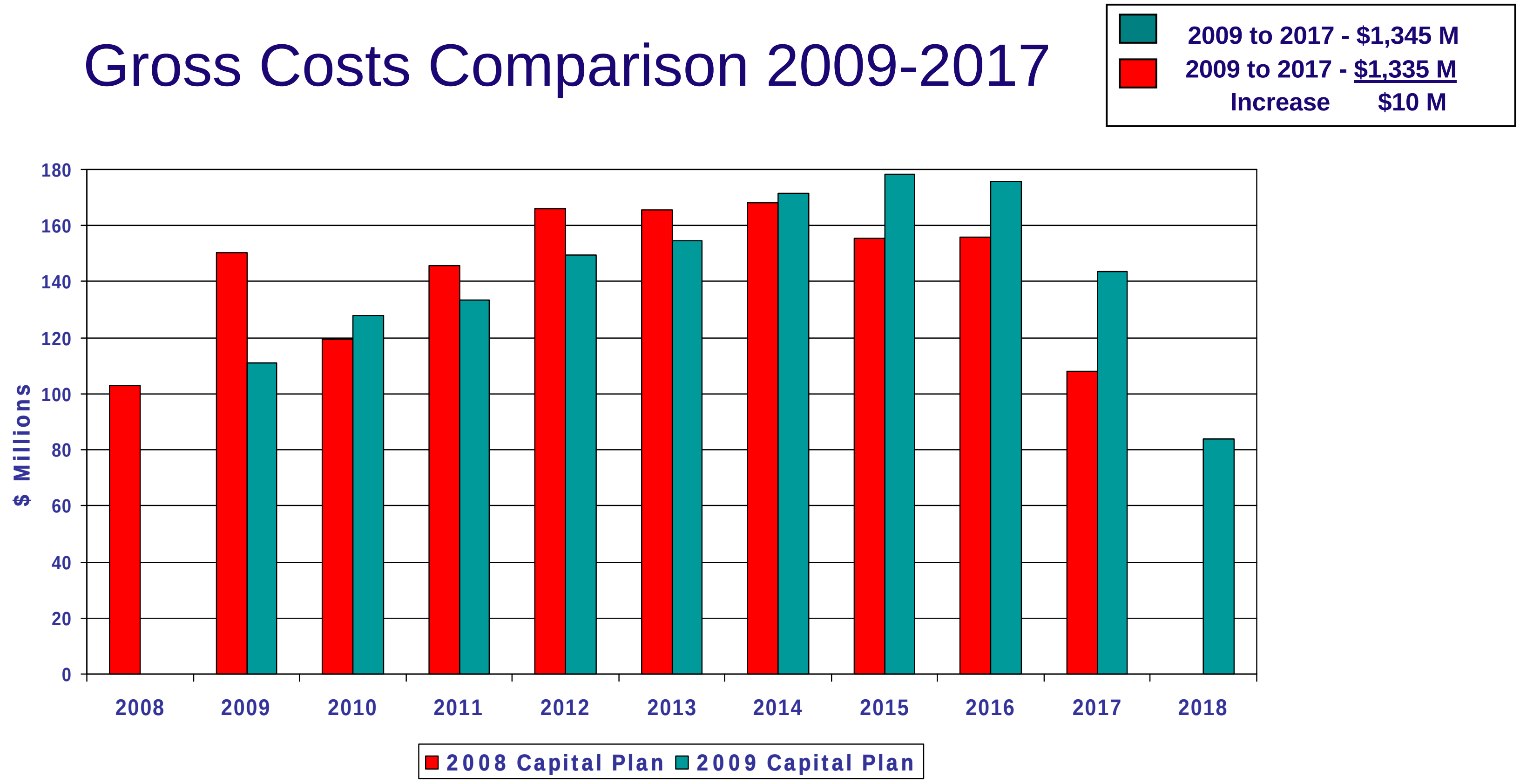
2009 Roads Capital Plan & Budget

* Funding source			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Tax Levy			36.2	37.9	44.5	43.4	45.1	44.7	44.9	47.8	44.2	33.7
Development Charges			70.4	85.6	86.0	103.1	107.8	124.0	125.3	123.4	94.4	45.9
Debentures												
Others			4.3	4.2	2.9	2.8	1.7	2.7	8.1	4.7	4.9	4.3
Total Financing			110.9	127.8	133.5	149.3	154.7	171.4	178.4	175.9	143.4	83.9

* Capital Support and Allocations has been removed from the 2008 and 2009 summaries.

2009 Roads 10 Year Capital Program

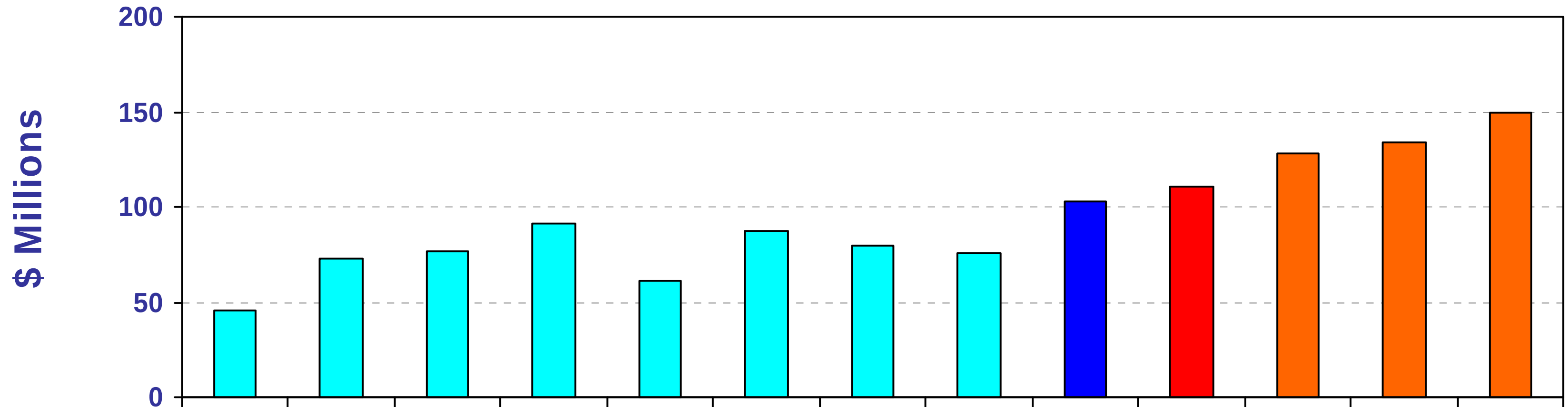
2008 Plan vs. 2009 Plan - Roads



* Capital Support and Allocations has been removed.

2009 Roads 10 Year Capital Program

Capital Cost History



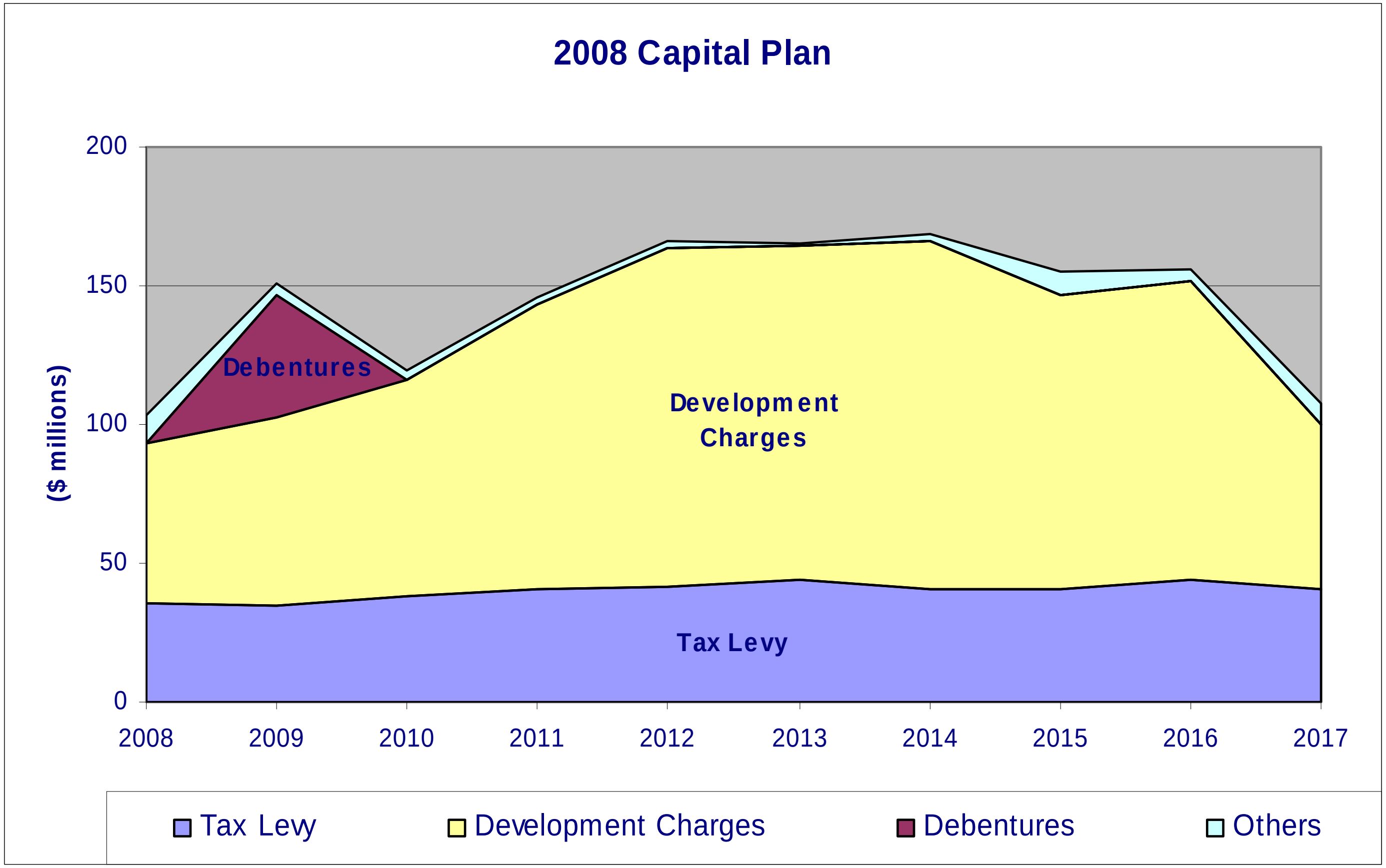
	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual 2004	Actual 2005	Actual 2006	Actual 2007	Budget 2008	Budget 2009	Outlook 2010	Outlook 2011	Outlook 2012
Actual/Budgeted	45.9	73.1	76.6	91.5	60.7	87.7	80	75.3	103.1	110.9	127.8	133.5	149.3

Years

* Capital Support and Allocations has been removed.

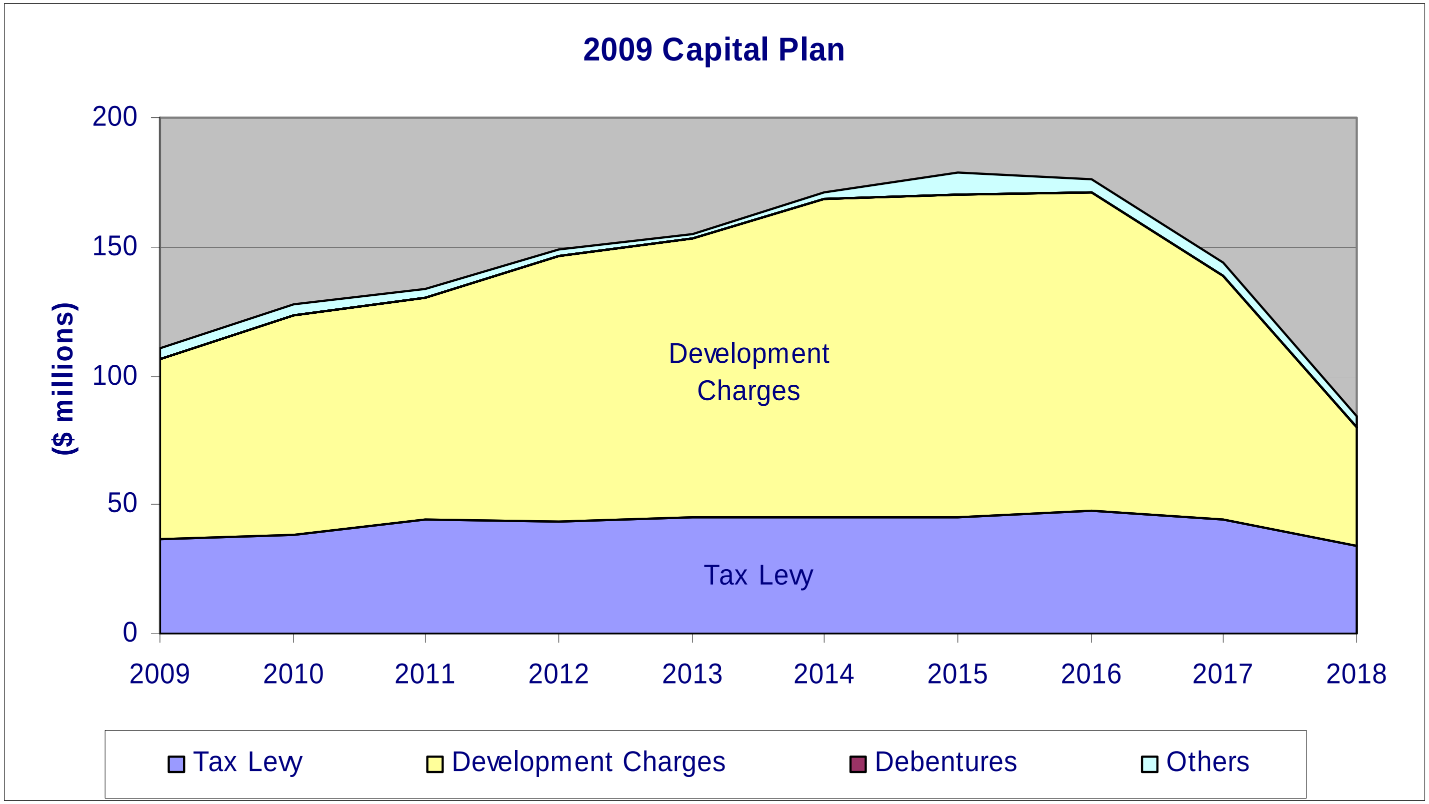
2009 Roads 10 Year Capital Program

Roads Funding Picture as per the 2008 Business Plan



2009 Roads 10 Year Capital Program

Roads Funding Picture as per the 2009 Business Plan



- No more debentures, program bubble has been flattened and pushed out.
- Tax levy has been increased in out years to reflect Council direction.

2009 Roads 10 Year Capital Program

How We are Adjusting the Proposed Funding Picture

- Advancing some projects
- Adjusting the timing of other projects
- Increasing the tax levy in later years

2009 Roads 10 Year Capital Program

Advancing of Projects

- Ninth Line and Stouffville Road Jog Elimination (2014 to 2013)
- York Durham Line – Steeles Avenue to Highway 7 (coordinate with SE Collector haul roads (2014 to 2009)
- 16th Avenue/Reesor Road Bridge replacement (2012 to 2011)
- St Johns Sideroad – Bayview Avenue to Woodbine Avenue (2016 to 2014)
- King Road east of Greenside Drive to Highway 27 (2012 to 2009)

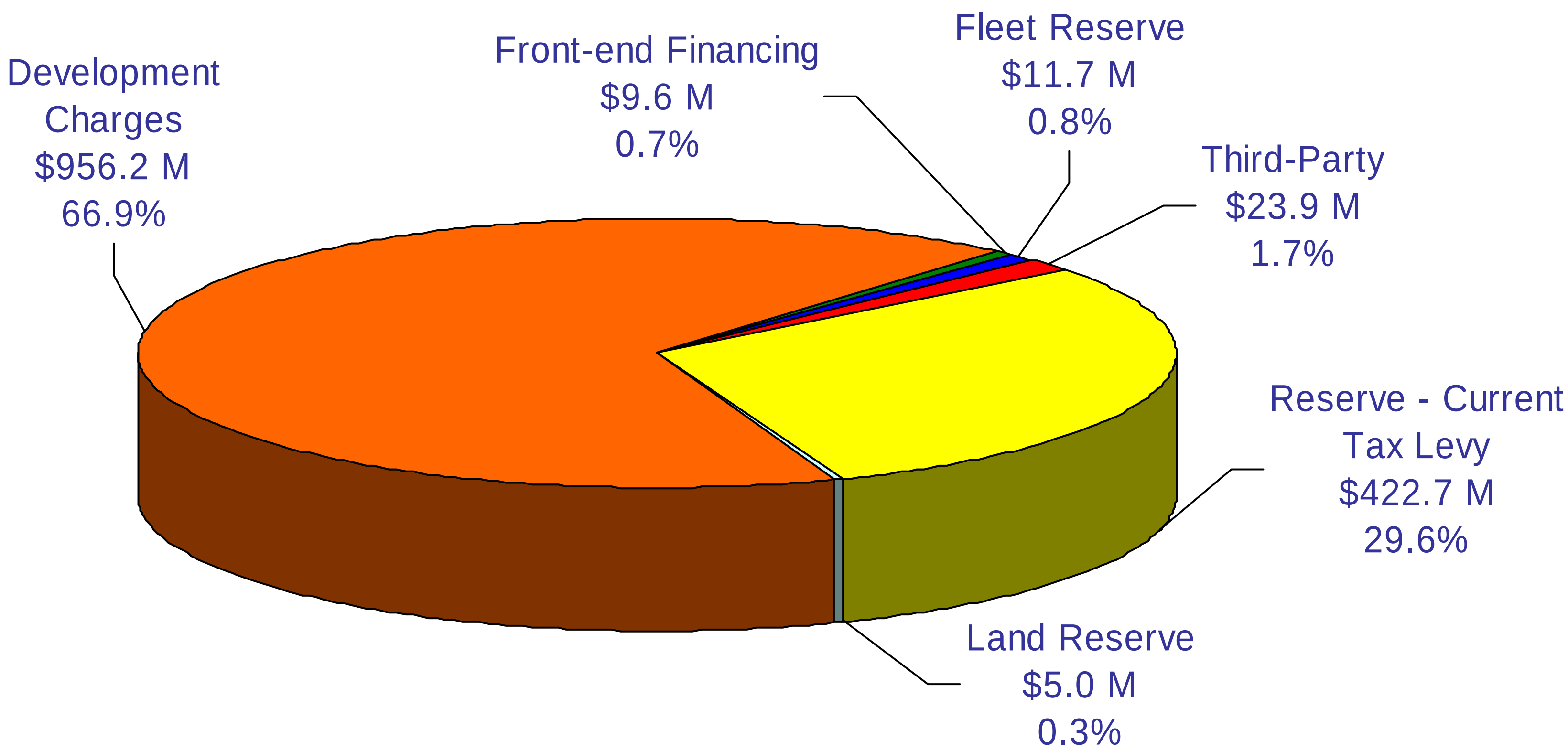
2009 Roads 10 Year Capital Program

Project Timing Adjustments

- Markham HOV/Transit Projects
  - Bayview Avenue, 16th Avenue, Kennedy Road, McCowan Road, Leslie Street
- Highway 7 – Rouge River to Warden Avenue (2008 to 2009) – coordinate with Viva
- Keele Street – Steeles Avenue to Highway 407 (2009 to 2010) York U, Toronto, TTC coordination
- King Road – Highway 400 to Highway 27 (2013 to 2014)
- Major Mackenzie Drive – Highway 50 to CPR (2014 to 2015)
- Major Mackenzie Drive – Donald Cousens Parkway to 9th Line (2008 to 2015) coordinate with road project to west
- Markham Road – Steeles Avenue to Highway 407 (2016 to 2017)
- Ninth Line @ Elgin Mills Road & Major Mackenzie Drive (2009 to 2010) coordinate with road widening
- Stouffville Road – Highway 404 to Warden Avenue (2008 to 2009) coordinate with east section
- Woodbine Avenue – Ravenshoe Road to Morton Avenue (2008 to 2009)
- 19th Avenue – Yonge Street to Bayview Avenue – (2009 to 2010)

2009 Roads 10 Year Capital Program

2009-2018 Capital Program Cash Flow Sources



2009 Roads 10 Year Capital Program $1429.1 Million

2009 Roads 10 Year Capital Program

What We Get…

- Asset Management - State of Good Repair
  - Resurface approximately 750 lane-kilometres of Regional Roads
  - Rehabilitate approximately 70 bridge structures

2009 Roads 10 Year Capital Program

What We Get…

- Sustainable Growth
  - Build approximately 600 lane-kilometres of arterial roads
  - Build 2 new highway interchanges
  - Build 4 new rail grade separations
  - Contribute to the construction of 4 new collector road highway crossings

2009 Roads 10 Year Capital Program

What We Get…

- Network Optimization
  - Intelligent Transportation System
    - Traveller information
    - Network flexibility
    - Transit oriented signal control
  - 150 km of bike lanes on Regional Roads
  - Improve approximately 150 intersections

2009 Roads 10 Year Capital Program

2009-2018 Operating Budget Implications

Net Operating Impact of New Capital Projects

$000's	2009 Budget	2010 Outlook	2011 Outlook	2012 Outlook	2013 Outlook	2014 – 2018 Outlook
OPERATING COSTS *						
Salaries and Benefits	0	116	179	230	290	2787
Debt Repayment						
Repairs and Maintenance						
Contribution to Replacement Reserve						
Other: Contract	0	408	624	796	1000	9485
TOTAL GROSS COST	**0**	**524**	**803**	**1026**	**1290**	**12272**
TOTAL NET COST (TAX LEVY)	0	524	803	1026	1290	12272

* Increase in Roads Operations FTE's will also be required

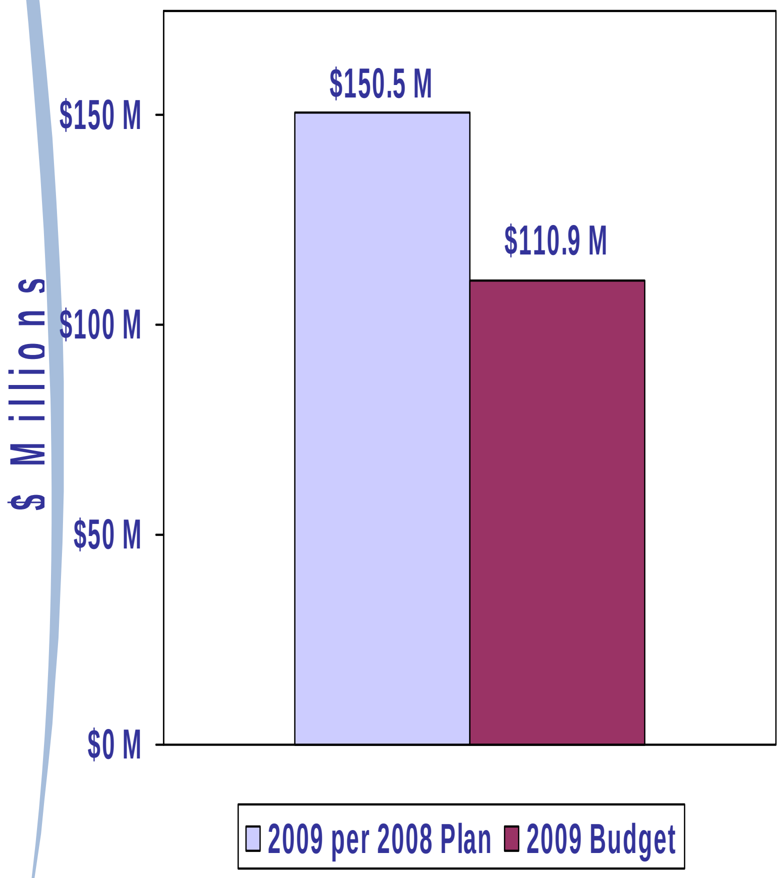
2009 Roads 10 Year Capital Program
Emerging Roads Capital Pressures

- Potential Assumption of Roads
  - 19th Avenue – Woodbine Avenue to Leslie Street including Highway 404 interchange
  - 15th Sideroad and 18th Sideroad in King City
- 400 Series Highway Crossings
  - potential for further obligations by York

Transportation Services - Roads
2009 Capital Budget

2009 Capital Budget

2009 vs 2008 Plan Changes - Roads

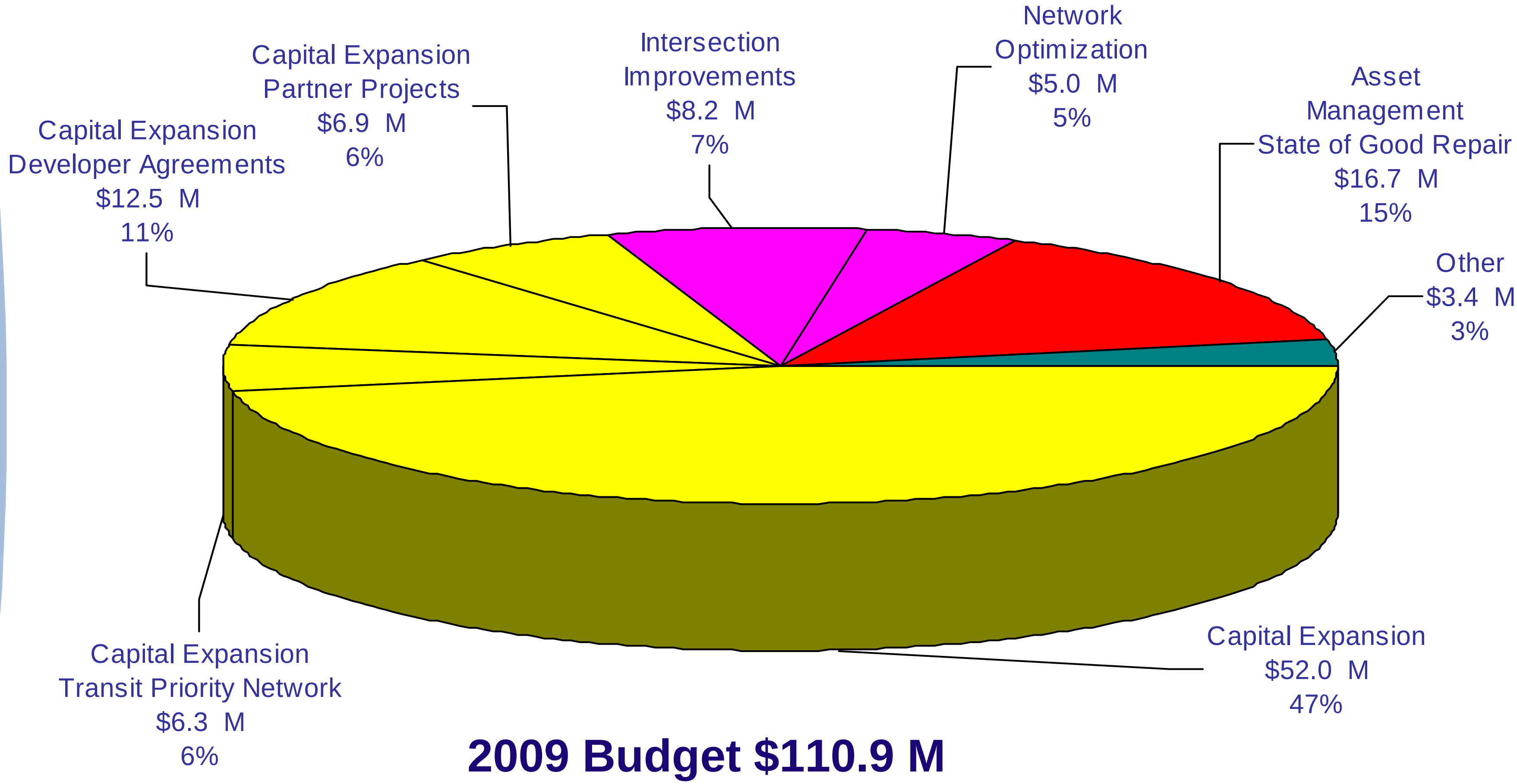


Expenditure Reduction of $39.6M

- Coordination of construction timing to coincide with other works, including Water and Wastewater Branch, VIVA and local municipal initiatives
- Delays to projects being delivered by others
- Shifted timing for EA, Detailed design, Survey and Property acquisitions to align better with construction timing.

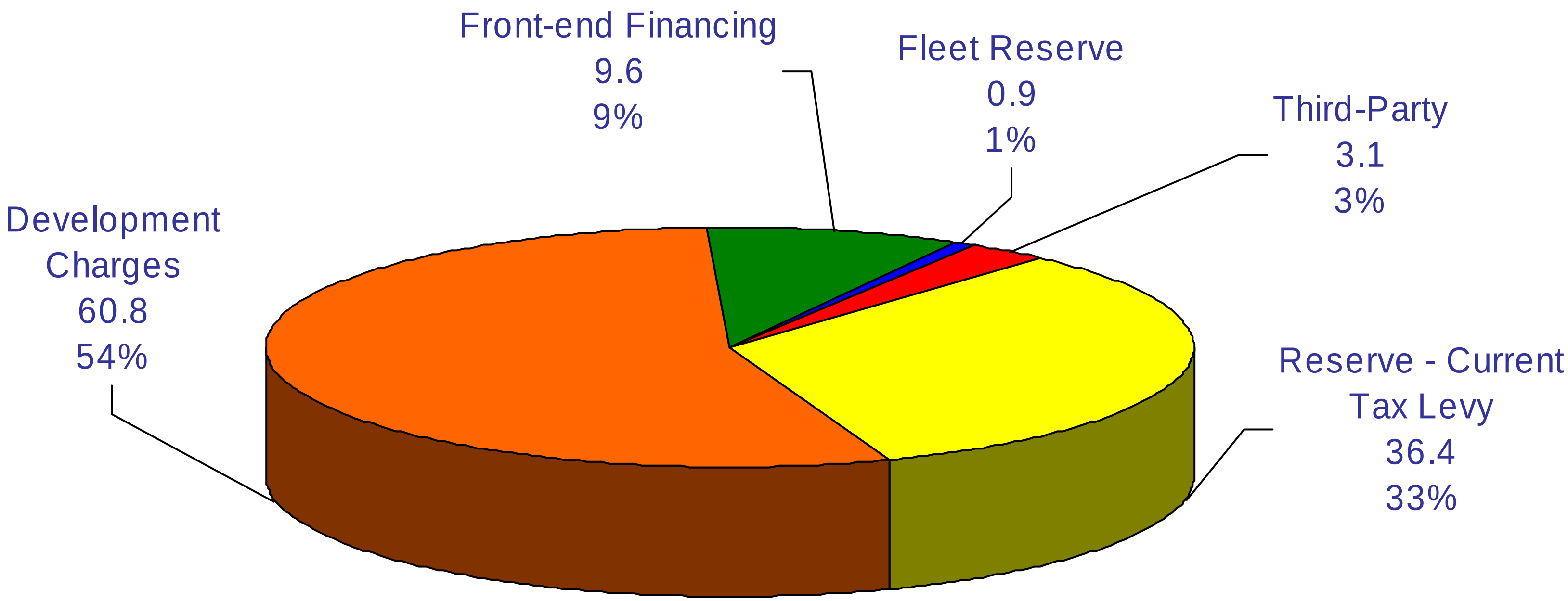
2009 Capital Budget

2009 Capital Budget Asset Mix



2009 Budget $110.9 M

2009 Capital Budget
Cash Flow Sources



2009 Budget $110.9 M

2009 Capital Budget

What We Get…

- Asset Management – State of Good Repair
  - Rehabilitation of 85 lane-kilometres of road
  - Rehabilitation of 7 bridges & culverts

2009 Capital Budget
What We Get…

- Sustainable Growth
  - Construction of 50 new lane kilometres by completing 8 Major capital projects including Dufferin Street HOV/Transit and Bike lanes
  - Tendering of 9 major capital projects
  - Completion of 3 Class Environmental Assessment's

2009 Capital Budget
What We Get…

- ❑ Network Optimization
  - ❑ Completion of 11 kilometres of bike lanes
  - ❑ Improvements to 4 intersections
  - ❑ Integration of ITS Strategy with Transit

2009 Capital Budget

TRANSPORTATION SERVICES – ROADS

Q & A