

Annual Roads Report to Operations Committee December 03, 2012



Capital Roads Program

- This presentation discusses the following:
 - Status of 2012 capital road construction projects
 - Planned 2013 capital road construction including water main projects that drive road infrastructure expenditures
 - Innovation and lessons learned over the 2012 construction season

Highlights - 2012 Capital Roads Program

- Major Construction Projects
 - Municipal Road 4 (Hwy 17W to C. Johnson)
 - Asphalt paving for this project is planned to be staged over future years
- Arterial/Collector Roads
 - MR 80 (Dominion to Dutrisac)
- Resurfacing on Local Roads
 - 15.9 lane kms
- Surface Treatment
 - 35 lane kms

Highlights - 2012 Capital Roads Program

Water/Wastewater Main Renewal and Replacement
Impacting Municipal Roads

- Latimer Crescent (Sudbury) (Loach's to Hunter)
- Robinson Drive (Sudbury) (Southview to Kelly Lake)
- Vine Avenue (Sudbury) (Hawthorne to Gemmell)
- William Avenue (Sudbury) (Hawthorne to Gemmell)

2012 Capital Roads Program

Resources

- Present Staff
- GSDC Industrial Land Strategy
- Shortfall of Resources
- Employee Replacement Challenges

2012 Capital Roads Program Carryovers

- 2011 Carry-over Projects
 - Bancroft Drive Reconstruction



2012 Capital Roads Program Carryovers

- 2012 Carry-over Projects (continued)
 - Robinson Drive Water Main Improvements
 - Latimer Crescent Water Main Improvements



Capital Roads Program Carryovers

- 2012 Carry-over Projects (continued)
 - Niemi Road Reconstruction



2012 Capital Roads Program Carryovers

2012 Carry-over Projects (continued)

- Vine and William
- Foundry Street
- Errington
- Douglas/Brady Roadway Rehabilitation
- Attlee Street Traffic Calming
- Third Avenue Reconstruction – Phillip to end

Capital Roads Program

2012 Capital Roads Summary

The Engineering Services Division was able to complete 84% of the planned work as summarized below

- | | |
|--------------------------------------|--------------------|
| • New/Replacement of Watermains | 2,745 metres |
| • New/Replacement of Sanitary Sewers | 1,617 meters |
| • Hot Mix Asphalt Laid | 19,832 tonnes |
| • Intersection Traffic Signalization | 2 Locations |
| • Guide Rails | 2,724 metres |
| • Crack Sealing | 33 lane kilometres |
| • Surface Treatment | 35 lane kilometres |

2013 Capital Roads Program

2013 Roads Capital Budget (approx. in millions):

• Arterials – New Construction/Widening/Intersection Improvements	\$10.6
• Arterial – Collector Roads	\$ 8.2
• Local Roads	\$ 5.1
• Bridges/Culverts	\$ 4.5
• Street Lighting	\$ 0.5
• Traffic Signals	\$ 0.2
• Sidewalk/Curb	\$ 0.7
• Surface Treatment	\$ 0.9
• Other Road Programs/Projects	\$ 2.8

<u>TOTAL</u>	<u>\$35</u>
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2013 Capital Roads Program

Lasalle/Notre Dame Intersection Improvements



2013 Capital Roads Program

Regent St Infrastructure Improvements:

- Regent St - Bouchard St to Walford Rd
- Bouchard St – Regent St to Southview Dr
- Southview Dr – Bouchard St to Cranbrook Cr

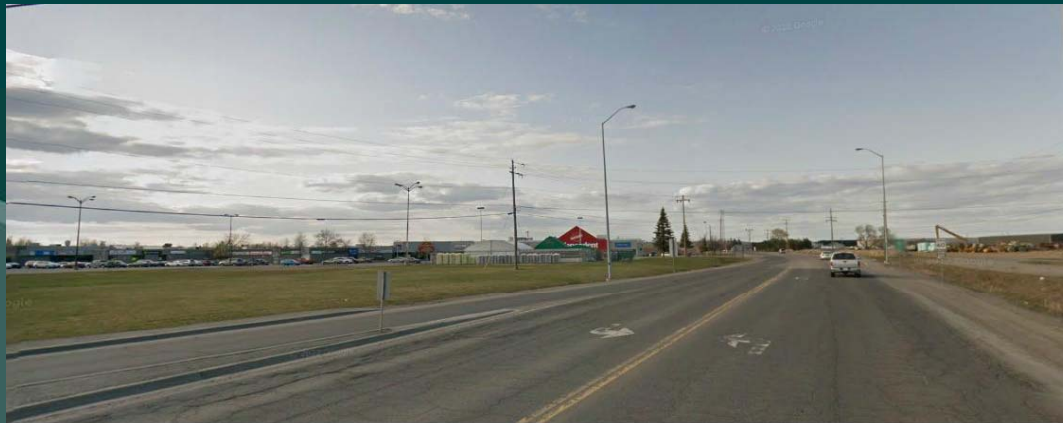


2013 Capital Roads Program

Kingsway – Bancroft St to 0.9km west (Laking Toyota)



MR15 – Main to MR35



2013 Capital Roads Program

Watermain & Sanitary Sewer Improvements (impacting roads):

- Kelly Lake Rd – WWTP to Copper St
- Ramsey View Ct – Centennial Dr to Regent St



2013 Capital Roads Program

Watermain & Sanitary Sewer Improvements (impacting roads):

- Loach's Rd – Regent St to Armstrong St
- Windle Dr – Loach's Rd to Millwood Cr



2013 Capital Roads Program

Watermain Rehabilitation (Lining)

Douglas St (2012)



Before



After

2013 Capital Roads Program



ENG12-17_Grinding Operation On Errington.avi



Capital Roads Program

Innovations and Lessons Learned

The following are examples of where delivery, training and technology improvements have been employed to improve productivity and provide a better product:

- Utility Locates
- Asbuilt Drawings
- Early Acquisition of Property
- Manual Updates
- Development of a Contractor Performance Tool

Capital Roads Program

Conclusion

