

Maley Revisited

Presented by:

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March 2016

COST BENEFIT ANALYSIS

Impact (2015-2048)	Value Phase 1 (\$ 2015)	Value Phase 2 (\$ 2015)
Net present value (NPV)	\$135,600,000 ¹	-\$70,000,000 ²
Cost-benefit ratio (C/B)	2.75 ¹	undefined

1) From CGS *Cost-Benefit Analysis of Maley Drive Extension – Phase 1*

2) Assuming no increase in benefits or maintenance costs

Phase 2

- Requires additional ~34% increase in benefits, no increase in maintenance costs in order to break even.
- Will be mandatory, as benefits of Phase 1 require more traffic on Phase 2 roads.
 - Projected AADT of 16,000 from College Boreal to Lasalle vs. 11,500 from 2005 Transportation study
 - Projected AADT of 13,000 from Barrydowne to Falconbridge rd. vs. 7500 from 2005 Transportation study

Cost-Benefit of Maley Drive Extension Package

Impact (2015-2048)	Value (\$ 2015)
Net present value (NPV)	\$66,600,000 (compare to \$135,600,000)
Cost-benefit ratio (C/B)	1.47 (compare to 2.75)

- Assumes phase 2 is tendered by completion of phase 1, no additional maintenance costs or benefits from phase 2, completion of phase 1 by December 2019.
- My own calculations based on report numbers

Issues with Projected Benefits (1)

- According to AECOM study, vehicle kilometers traveled (VKT) reduction at peak hour amounts to 2,649 VKT, with 26,490 VKT saved each day
- Extension within ~1km of existing route, benefits per driver within 0-2km depending on route
- 13,245 – 26,490 vehicles @ 26,490 VKT higher than projected AADT

Issues with Projected Benefits (2)

- Does not include truck traffic in simulation, only adds estimate to total
- Increased distance to New Sudbury Center, Riocan Center, new commercial construction on Kingsway for most users.

General Issues

- Growth outward puts more strain on city resources
- Could promote a population shift towards lower tax rate areas
- Unlikely to see population growth beyond 1970s high, given current economic conditions
- Money could be better focused to help Sudburians during hard times (development vs. growth)

Questions

- Thank you for your time.