



wood.

Appendix Q

Tree Assessment

Memo

Project: Lakeshore Road West Improvements
(Mississaga Street to Dorval Drive) –
Lakeshore Road West Class Environmental
Assessment

Wood File No.: TPB166147

Re: Tree Re-assessment (March 2018)

1.0 Tree Re-assessment

To complete the reassessment of impacts to trees, a higher level of tree data was required. The Town of Oakville has a tree inventory database that contains information on all Town's trees. In consultation with the Town of Oakville and Wood's arborists, the data was reviewed and some assumptions were made to categorize and update the "Diameter at Breast Height" (DBH) to 2019 based on assumed growth. Other assumptions included:

- Dead and dying trees would be removed from the list;
- Trees on the planting list and scheduled for removal would be removed from the list;
- Trees to be categorized under 20cm DBH and over 20cm DBH;
- Trees with a planting date of 2010 or earlier and trees with no planting date would have 9cm added to the DBH (1cm per year for growth to 2019);
- Hedgerows not included in the assessment;
- No field truthing will be completed at this phase of the project;
- Tree Protection Zones (TPZ) to be calculated using the Town's tree standards;
- Trees are to be categorized based on the following criteria:
 - Zero impact;
 - Under 30% impact;
 - 30%-50% impact (potential to be saved by a variety of methods overseen by an arborist);
 - Over 50% impact (deemed as removals);
 - Earth cuts would be considered an impact; and
 - Earth fills of 10cm or less would be considered to have no impact; earth fills over 10cm would be considered an impact.

Using the criteria outlined above, tree analysis was completed, breaking the corridor into 3 roadway sections:

- East Street to Third Line;
- Third Line to Fourth Line; and
- Fourth Line to Dorval Drive.

A summary of the results is show in tables below:

Table 1.1. Alternative 2 - Two Lane Hybrid (multi-use trail on south side)

Block	DBH	0% TPZ Impact	Less Than 30% TPZ Impact	30% -50% TPZ Impact	More Than 50% TPZ Impact
East Street to Third Line	Less Than or Equal to 20cm	204	4	5	7
	Greater Than 20cm	137	19	25	29
	Subtotal	341	23	30	36
Third Line to Fourth Line	Less Than or Equal to 20cm	250	17	18	22
	Greater Than 20cm	547	72	80	19
	Subtotal	797	89	98	41
Fourth Line to Dorval Drive	Less Than or Equal to 20cm	143	11	14	77
	Greater Than 20cm	184	37	46	43
	Subtotal	327	48	60	120
Grand Total		1465	160	188	197

Table 1.2. Alternative 2A - Two Lane Hybrid (existing sidewalk on south side)

Block	DBH	0% TPZ Impact	Less Than 30% TPZ Impact	30% -50% TPZ Impact	More Than 50% TPZ Impact
East Street to Third Line	Less Than or Equal to 20cm	204	4	5	7
	Greater Than 20cm	137	19	25	29
	Subtotal	341	23	30	36
Third Line to Fourth Line	Less Than or Equal to 20cm	250	17	18	22
	Greater Than 20cm	547	72	80	19
	Subtotal	797	89	98	41
Fourth Line to Dorval Drive	Less Than or Equal to 20cm	143	11	14	77
	Greater Than 20cm	184	37	46	43
	Subtotal	327	48	60	120
Grand Total		1465	160	188	197



Table 1.3. Alternative 3 – Zero Impact to Trees

Block	DBH	0% TPZ Impact	Less Than 30% TPZ Impact	30% -50% TPZ Impact	More Than 50% TPZ Impact
East Street to Third Line	Less Than or Equal to 20cm	216	4	0	0
	Greater Than 20cm	160	22	28	0
	Subtotal	376	26	28	0
Third Line to Fourth Line	Less Than or Equal to 20cm	292	1	14	0
	Greater Than 20cm	661	38	19	0
	Subtotal	953	39	33	0
Fourth Line to Dorval Drive	Less Than or Equal to 20cm	216	22	7	0
	Greater Than 20cm	250	32	28	0
	Subtotal	466	54	35	0
Grand Total		1795	119	96	0

Note: Trees that have been identified as "Dead or Dying" are not indicated in the above assessments

