



Royal York Road Reconstruction - Interim Arborist Report

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Urban Forest Innovations Inc.

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Urban Forest Innovations Inc.

- Specialize in the preservation, enhancement and management of the urban forest using a research and science based approach
 - Tree Preservation during construction
 - Risk Assessment and Mitigation
- ISA Certified, ASCA Member, MFC
- Retained by City to consult on all tree issues with the Royal York Road reconstruction project

Outline

- Field work to date
- Tree Condition
- South of Bloor Street
- North of Bloor Street
- Next steps
- Questions

Fieldwork to Date

- An inventory has been conducted of all trees within the road right-of-way
- A total of 277 trees were inventoried
- Each tree was measured for diameter at 1.4m above grade
- Each tree assessed for current health and structure, some trees photographed
- Issues identification

Tree Condition

- Nine trees have been assessed to be in very poor condition and are recommended for removal, confirmed by Forestry staff
- Many trees are weak or stressed by their location and may not survive the additional stress of construction activities, 12 have been identified
- These trees should not be retained if they are in conflict with proposed construction activities

Weak Trees

- “Trees with no future”
- Examples:
 - Girdling roots
 - Poor growth form or structure
 - Lack of vigour
 - Internal decay
 - Excessively or poorly pruned
 - Combinations of problems

Trees Identified as Weak

Tree #	Species	Address	DBH	TI	CS	CV	Comments
20	Norway Maple	883	31	F	P	P	Tree in decline. Not worthy of preservation.
32	Norway Maple	919	50	F	F	F	Weak tree.
33	European Ash	923	26	P	F	G	Decay extensive at base, Hydro pruned.
44	Ash	916 - 918	64, 72	F	P	FP	Decay at base, codominant at base. North stem hollow at 3m.
106	Norway Maple	965	75	F	F	F	Hydro pruned, roots in swale.
118	Norway Maple	983	52	F	F	F	Generally weak
124	Norway Maple	987	29	G	P	F	Weak trees
54	White Birch	894	25, 26	F	P	P	Tree is dying, decay at base and top.
125	Norway Maple	987	33	P	F	F	Weak trees
147	Ash	1021	40	G	P	F	Poorly topped
214	Norway Maple	1036	71	G	F	F	Limb over road is poor. Remove cracked leader
161	Norway Maple	1047	46	F	F	F	Can't see roots. Prune Deadwood

Tree Removals

- Some reasons for removal:
 - Excessively pruned for Hydro wires
 - Stem defects, hazardous condition
 - Structurally unsound crown
 - Stem cankers
 - ┆ Grossly unbalanced
 - ┆ Very poor growth, almost dead

Suggested Removals

Tree #	Species	Address	DBH	TI	CS	CV	Comments
66	Silver Maple	868	47	F	G	G	Two wounds at base. Slated for removal by City
105	Norway Maple	963	70	P	P	F	Remove - large canker in stem.
109	Norway Maple	971	51	P	P	P	Suggested removal
116	Silver Maple	981	53	F	P	F	Decay in stem
252	Norway Maple	982	30	F	F	G	Poor trunk and crown
121	Norway Maple	987	56	G	VP	F	Unbalanced, over road Low branches hit by trucks.
194	Norway Maple	1056	50	F	P	P	Tree is dying, hazard
167	Norway Maple	1057	47	P	P	P	Remove
190	Norway Maple	1070	40	P	P	F	Large stem canker - remove.



Tree Number 190 at 1070 Royal York Road. This tree has a serious stem canker and is at risk of failure.

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Tree number 116 at 981 Royal York Road. This tree has a serious cavity from an old pruning wound and leans over the road.