

ISA Basic Tree Risk Assessment Form

Client CITY OF ST. PAUL Date 3/30/18 Time 1:30 pm
 Address/Tree location 594 LAWSON AVE. W. Tree no. 1 Sheet 1 of 2
 Tree species BOXELDER dbh 25" Height 45' Crown spread dia. 35'
 Assessor(s) K. MUELLER / D. ANDERSON Time frame 4 WEEKS Tools used BASIC HAND TOOLS

Target Assessment

Target number	Target description	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
		Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	PEOPLE ON SIDEWALK	X	X	X	3	NO	NO
2	VEHICLES IN STREET	X	X	X	3	NO	NO
3							
4							

Site Factors

History of failures YES STUBS, HANGERS Topography Flat Slope 20% Aspect N
 Site changes None Grade change Site clearing Changed soil hydrology Root cuts Describe _____
 Soil conditions Limited volume Saturated Shallow Compacted Pavement over roots 30% Describe SIDEWALKS, ROCK WALL
 Prevailing wind direction WNW Common weather Strong winds Ice Snow Heavy rain Describe ALL CAN OCCUR IN MN

Tree Health and Species Profile

Vigor Low Normal High Foliage None (seasonal) None (dead) Normal _____% Chlorotic _____% Necrotic _____%
 Pests CARPENTER ANTS / OTHER INSECTS LIKELY Abiotic _____
 Species failure profile Branches Trunk Roots Describe BOXELDERS KNOWN TO HAVE BRANCH FAILURES

Load Factors

Wind exposure Protected Partial Full Wind funneling Relative crown size Small Medium Large
 Crown density Sparse Normal Dense Interior branches Few Normal Dense Vines/Mistletoe/Moss
 Recent or planned change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown LCR ~50% Cracks Lightning damage
 Dead twigs/branches 50% overall + Max. dia. 14" Codominant Included bark
 Broken/Hangers Number 1 Max. dia. 5" Weak attachments w/ Decay Cavity/Nest hole _____% circ.
 Over-extended branches Previous branch failures stubs Similar branches present
 Pruning history
 Crown cleaned Thinned Raised Dead/Missing bark Cankers/Galls/Burls Sapwood damage/decay
 Reduced Topped Lion-tailed Conks Heartwood decay
 Flush cuts Other _____ Response growth NONE

Main concern(s) LARGE DELAYED BRANCHES, BROKEN STUBS, HANGERS

Load on defect N/A Minor Moderate Significant
 Likelihood of failure Improbable Possible Probable Imminent

— Trunk —

Dead/Missing bark Abnormal bark texture/color
 Codominant stems Included bark Cracks
 Sapwood damage/decay Cankers/Galls/Burls Sap ooze
 Lightning damage Heartwood decay Conks/Mushrooms
 Cavity/Nest hole _____% circ. Depth _____ Poor taper
 Lean _____° Corrected? _____

Response growth _____
 Main concern(s) Nothing Major

Load on defect N/A Minor Moderate Significant
 Likelihood of failure Improbable Possible Probable Imminent

— Roots and Root Collar —

Collar buried/Not visible Depth _____ Stem girdling
 Dead Decay Conks/Mushrooms
 Ooze Cavity _____% circ.
 Cracks Cut/Damaged roots Distance from trunk _____
 Root plate lifting Soil weakness

Response growth _____
 Main concern(s) _____

Load on defect N/A Minor Moderate Significant
 Likelihood of failure Improbable Possible Probable Imminent

