

# TREE RISK ASSESSMENT FORM

Site/Address: 17 Georgia St SW

Map/Location: \_\_\_\_\_

Owner: public: \_\_\_\_\_ private:  unknown: \_\_\_\_\_ other: \_\_\_\_\_

Date: 12/16/19 Inspector: Bill Leake

Date of last inspection: \_\_\_\_\_

RISK RATING:			
1	1	2	4
Failure Potential	+ Size of part	+ Target Rating	= Hazard Rating
_____ Immediate action needed			
_____ Needs further inspection			
_____ Dead tree			

## TREE CHARACTERISTICS \_\_\_\_\_

Tree #: 1 Species: Pecan (Carya illinoensis)

DBH: 16" # of trunks: 1 Height: 45' Spread: 30'

Form:  generally symmetric  minor asymmetry  major asymmetry  stump sprout  stag-headed

Crown class:  dominant  co-dominant  intermediate  suppressed

Live crown ratio: 95 % Age class:  young  semi-mature  mature  over-mature/senescent

Pruning history:  crown cleaned  excessively thinned  topped  crown raised  pollarded  crown reduced  stub cuts  
 cabled/braced  none  multiple pruning events Approx. dates: \_\_\_\_\_

Special Value:  specimen  heritage/historic  wildlife  unusual  street tree  screen  shade  indigenous  protected by gov. agency

## TREE HEALTH \_\_\_\_\_

Foliage color:  normal  chlorotic  necrotic Epicormics;

Foliage density:  normal  sparse Leaf size:  normal  small

Annual shoot growth:  excellent  average  poor  none Twig Dieback:   curb/pavement  guards

Woundwood:  excellent  average  fair  poor

Vigor class:  excellent  average  fair  poor

Major pests/diseases: None

## SITE CONDITIONS \_\_\_\_\_

Site Character:  residence  commercial  industrial  park  open space  natural  woodland/forest

Landscape type:  parkway  raised bed  container  mound  lawn  shrub border  wind break

Irrigation:  none  adequate  inadequate  excessive  trunk wetted

Recent site disturbance? NO  construction  soil disturbance  grade change  herbicide treatment

% dripline paved: 40% Pavement lifted: NO

% dripline w/ fill soil: 0%

% dripline grade lowered: 0%

Soil problems:  drainage  shallow  compacted  droughty  saline  alkaline  acidic  small volume  disease center  history of fail  
 clay  expansive  slope 45° aspect: \_\_\_\_\_

Conflicts:  lights  signage  line-of-sight  view  overhead lines  underground utilities  traffic  adjacent veg.  \_\_\_\_\_

Exposure to wind:  single tree  below canopy  above canopy  recently exposed  windward, canopy edge  area prone to windthrow

Prevailing wind direction: SW Occurrence of snow/ice storms  never  seldom  regularly

## TARGET \_\_\_\_\_

Use Under Tree:  building  parking  traffic  pedestrian  recreation  landscape  hardscape  small features  utility lines

Can target be moved? NO Can use be restricted? NO

Occupancy:  occasional use  intermittent use  frequent use  constant use

# TREE DEFECTS

## ROOT DEFECTS:

Suspect root rot: NO Mushroom/conk/bracket present: NO ID:

Exposed roots:  severe  moderate  low Undermined:  severe  moderate  low

Root pruned: NO distance from trunk Root area affected: \_\_\_\_ Buttress wounded:  When: \_\_\_\_\_

Restricted root area:  severe  moderate  low Potential for root failure:  severe  moderate  low

LEAN: 5 deg. from vertical  natural  unnatural  self-corrected  Soil heaving:

Decay in plane of lean:  Roots broken:  Soil cracking:

Compounding factors: Lean severity:  severe  moderate  low

**CROWN DEFECTS:** Indicate presence of individual defects and rate their severity (**S** = severe, **M** = moderate, **L** = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominant/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs		L		
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

## HAZARD RATING

Tree part most likely to fail: Branches \_\_\_\_\_

Failure potential: **1** - low; **2** - medium; **3** - high; **4** - severe Size of part: **1** - <6" **2** - 6-18" **3** - 18-30" **4** - >30"

Target rating: **1** - occasional use **2** - intermittent use **3** - frequent use **4** - constant use

## HAZARD ABATEMENT

Failure Potential + Size of Part + Target Rating = Hazard Rating  
1      1      2      4

none  remove defective part  reduce end weight  crown clean  thin  raise canopy  crown reduce  restructure  cable/brace

Inspect further  root crown  decay  aerial  monitor

Remove tree  When replaced, a similar sized tree species would be appropriate in same location

If removed, alternate tree replacement locations are available

Effect on adjacent trees:  none  evaluate

Notification:  owner  manager  governing agency Date: 12/16/19

## COMMENTS

This tree has no structural defects. It will require utility pruning over its life span. The proposed grading may impact the root system of this tree.

Bill Leake