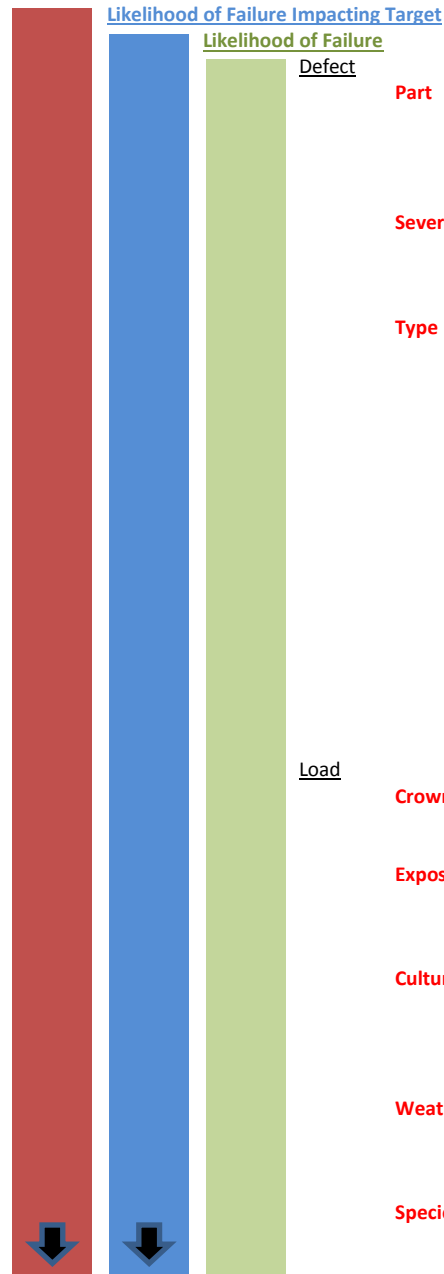




Risk Rating¹



[BMP Table 2]
[BMP Table 2 – Row]
[BMP Table 1 Row]

- Part**
 - Branches
 - Scaffold
 - Trunk
 - Structural Roots or Root Plate
- Severity**
 - Severe
 - Moderate
 - Minor
- Type**
 - Decay
 - Cracks
 - Lean
 - Structural Characteristics
 - Co-dominant stems; Narrow branch angles; Included bark
 - Stem Taper
 - Zone of rapid taper
 - Damage
 - Storm
 - Vandalism
 - Site
 - Soil Characteristics
 - Drainage
 - Construction
 - Compaction
 - Trenching
- Load**
 - Crown Area & Characteristics**
 - Shape
 - Density (Transparency)
 - Exposure**
 - Adjacent Landcover
 - Topography
 - Urban “canyons”
 - Cultural Treatment**
 - Lions’ Tailing
 - Heading cuts
 - Reduction cuts
 - Thinning
 - Weather**
 - Rainfall
 - Prevailing winds
 - Gusts
 - Species**
 - Wood density
 - Other strength characteristics

List additional “defect” characteristics here that are part of your risk assessment process/protocol:

- _____
- _____
- _____
- _____
- _____
- _____
- _____

List additional “load” characteristics here that are part of your risk assessment process/protocol:

- _____
- _____
- _____
- _____
- _____
- _____
- _____

¹ Contributions by Jill Johnson, USDA FS, St. Paul, MN.



↑	↑		<u>Likelihood of Impact</u>	<u>Target Zone</u> (i.e. the shape when it hits the ground)	<p style="color: #008000;">[BMP Table 1 Column]</p> <p>List additional "zone & target" characteristics here that are part of your risk assessment process/protocol:</p> <ul style="list-style-type: none"> ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____
		Length of Part	Lean	Occupancy	
			Rate	Moveable Mobile Static	
			Rate	Constant Frequent Occasional Rare	
			<u>Consequences of Failure</u>		
			<u>Value of Target</u>		
			Built	Human Economic	
			Built	Historic or Cultural Repair or Replace < Threshold (e.g. property damage or liability insurance deductible) ≥ Threshold	
			Commerce	Environmental Services (i.e. of tree canopy) Services (e.g. electric utilities)	
			Activity	Interruption (e.g. recreational trails closed) Traffic flow disrupted (typical or emergency)	
			<u>Injury Extent/Harm from Impact</u>		<p>List additional "consequence" characteristics here that are part of your risk assessment process/protocol:</p> <ul style="list-style-type: none"> ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____ ▪ _____
			Size of Part	Weight Diameter Length	
			Distance of Fall	Height (Feet or meters)	
			Fall Characteristics	Interrupted Clear to ground	
			Target Protection	Shelter Equipment (e.g. cab cages) PPE	

References:

- ANSI A300 (Part 9)-2011 Tree Risk Assessment; a. Tree Structure Assessment, Tree Care Industry Association, Inc. As of July 6, 2011 <<http://www.tcia.org/index.aspx>>
- Best Management Practices: Tree Risk Assessment (2011), Smiley, E.T., and N. Matheny, S. Lilly, International Society of Arboriculture, Champaign, IL
- Tree Risk Assessment - Manual (2013), Dunster, J. and E.T. Smiley, N. Matheny, and S. Lilly, International Society of Arboriculture, Champaign, IL (i.e. TRAQ)

A partnership between the Southern Research Station and the Southern Region