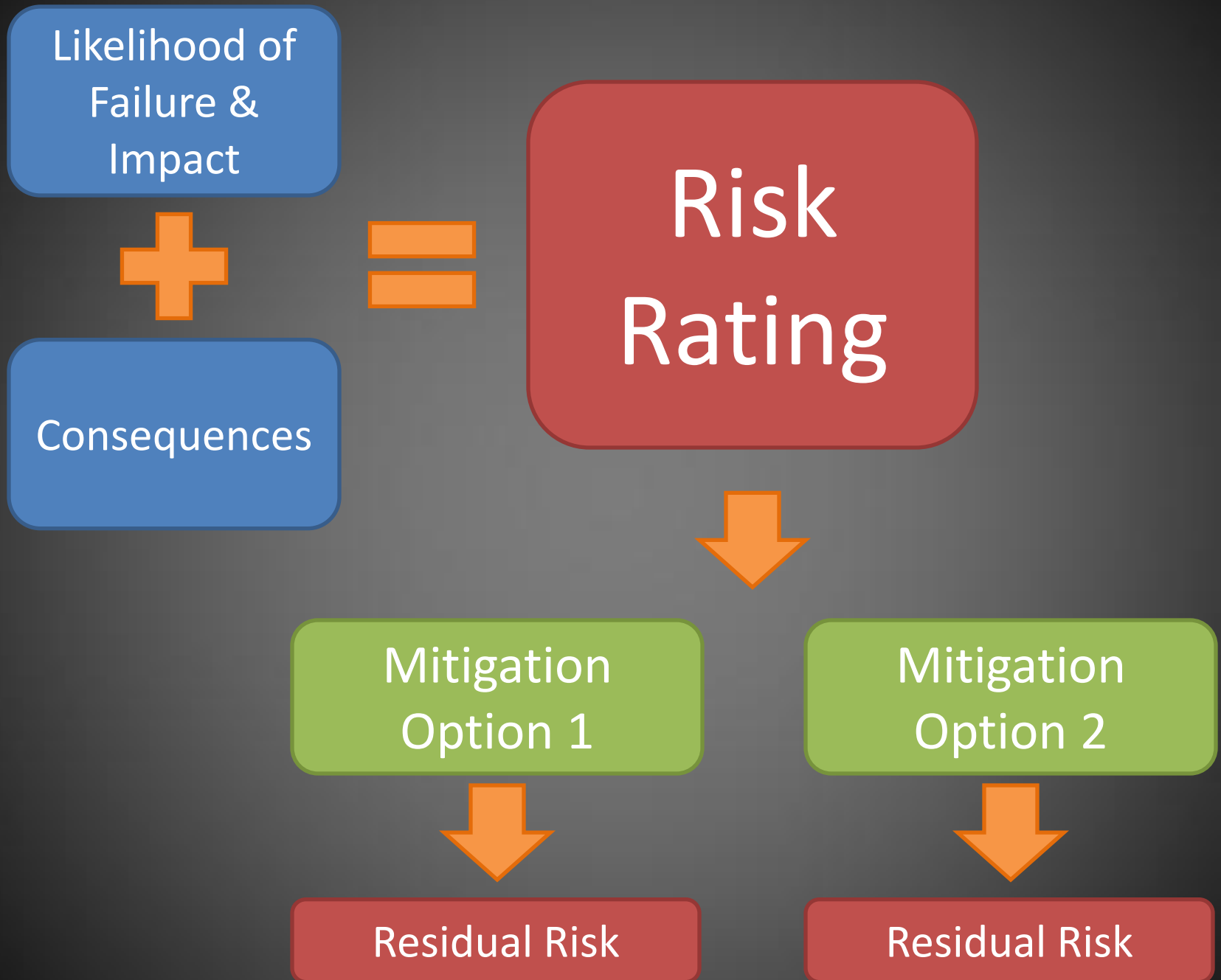# Tree Risk Assessment

Utilizing New Best Management Practices to Save Austin's Trees

Balancing Tree Risk with Tree Benefits

Our Challenge: To keep the public safe while saving as many trees as possible

Rare

Occasional

Occupancy

Frequent

Constant

Improbable

Possible

Likelihood of Failure

Probable

Imminent

Likelihood of Failure & Impact

Risk Rating

Consequences of Failure

Use Matrix to Determine Risk Rating

Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impacting Target			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Then use risk rating to make management decisions
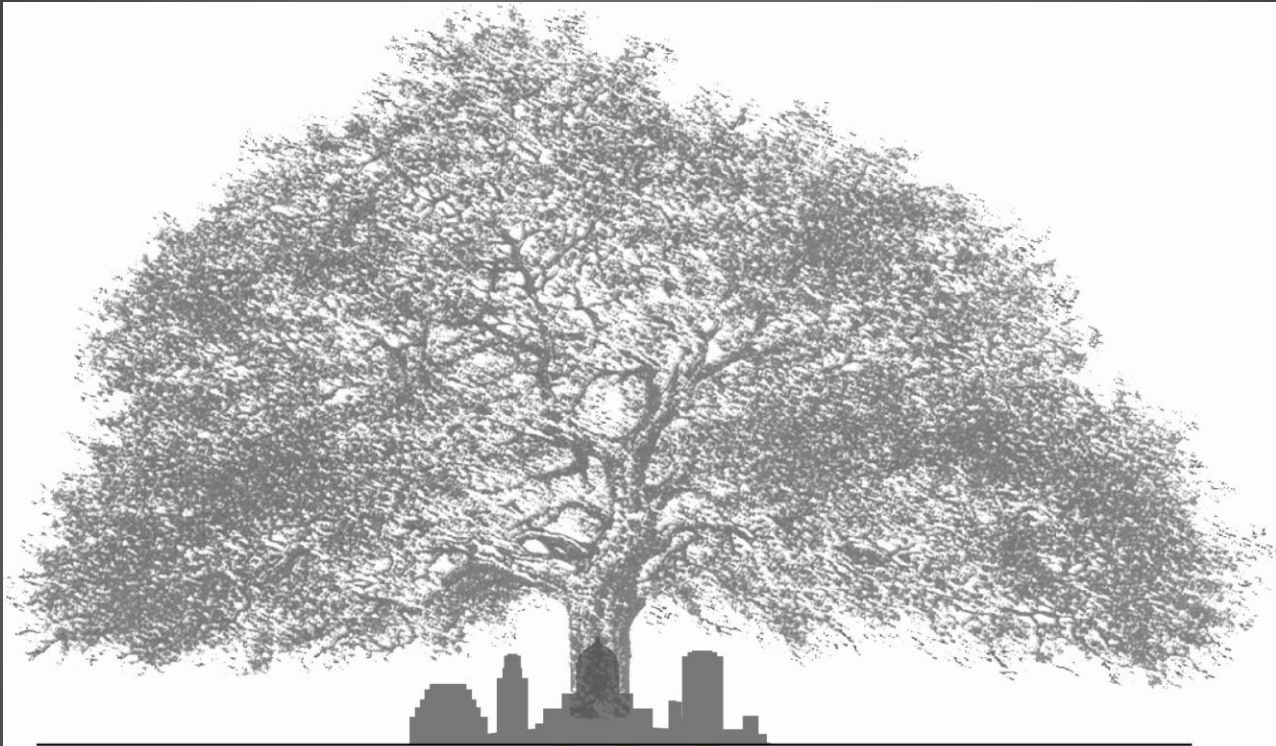
Tree Risk Assessment Qualification

International Society of Arboriculture training course

July 2013 · Fort Worth, Texas

Skip Kincaid, Instructor

URBAN FORESTRY
CITY OF AUSTIN