

Parks and Recreation Forestry
Tree Appraisal: Trunk Formula Method
Appropriate for trees greater than 3" diameter

Tree#	<u>5200 Ave H</u>		
Species	<u>Fraxinus velutina --Arizona Ash</u>	Species Rating	71%
Trunk Diameter	<u>20</u>	inches	
Condition	<u>53%</u>	Location	<u>53%</u>
Roots	<u>3 (2-8)</u>	Site	<u>50% (10-100%)</u>
Trunk	<u>3 (2-8)</u>	Contribution	<u>60% (10-100%)</u>
Scaffolds	<u>5 (2-8)</u>	Placement	<u>50% (10-100%)</u>
Branches	<u>3 (1-4)</u>	Three sub-categories are averaged for Location value	
Foliage	<u>3 (1-4)</u>		

Sum divided by 32 and multiplied by 100

Unit Tree Cost (for Austin area) \$62 /in²

Replacement Tree Trunk Area (3" replacement tree) 7 in²

Replacement Tree Cost \$434

Appraised Trunk Area 314 in²

For trees less than 30 inches in diameter (d), trunk area = $0.785 \cdot d^2$. For d >=31, adjusted trunk area = $0.335d^2 + 69.3d - 1087$

Appraised Tree Trunk Increase 307 in²

The value of the appraised trunk area minus the replacement trunk area

Basic Tree Cost \$19,468.00

The Unit Tree Cost multiplied by the Appraised Tree Trunk Increase plus the Replacement Tree Cost

Appraised Value **\$3,916.31**

The Basic Tree Cost minus all applicable deductions based on Species Rating, Condition, and Location

Rounded if above \$5,000