

Tree Planting and Management Plan

For Fayette City Park

South Section

Fayette, Missouri



January 2023

Objectives

- Plot and evaluate existing trees; recommend management for them.
- Establish a balanced distribution of trees.
- Maintain open views into the park from perimeter and internal streets. Preserve usable open space.
- Complement park uses including the ballfield, playground areas, shelters, parking, and disc golf,
- Avoid conflicts with utility wires.
- Maintain diversity of tree species with an emphasis on natives.
- Suggest management for new trees.

Existing Trees

The park contains a blend of diverse species and sizes including very large, older trees, midsized, and recently planted trees. Almost every tree is in good condition or better. New trees are nicely located. However, there is considerable space available for more trees, especially in the south section of the park.

Existing Trees, cont.



Fayette City Park has a well-balanced diversity of tree sizes and species, although considerable open space is available for new trees.



There are very few problem trees in the south section of the park. Two small, badly damaged crabapples are recommended for removal (left). A large sweetgum along Lucky Street has an old stem wound and cavity (right).

Recommendations for Existing Trees

Remove a 12-inch trunk diameter double stemmed crabapple along Landers Memorial Drive north of the basketball court, which is in poor condition.

Remove a 4-inch dia crabapple on the east side of the drive to the south shelter. The tree is leaning and has a badly damaged stem. Note: this is marked as a memorial tree.

Monitor a large sweetgum along Lucky Street about 200 ft west of the intersection with Landers Memorial Drive. This tree has a large trunk cavity facing away from the street. Also monitor an adjacent large sugar maple, which may be hollow.

Recommendations for New Trees

Plant 39 large growing, deciduous trees (tulip poplar, oaks, honeylocust, blackgum, bald cypress, planetree) in locations shown on the drawing.

Trees planted near the ballfield parking and on the west side of the central shelter parking lot will require protection from vehicles.

Continue to provide pruning and other routine maintenance for all park trees.

Maintain routine maintenance for new trees to include watering, re-mulching, and gradual pruning to promote a branch canopy.

Tree List

No. Needed	Common Name	Scientific Name	Recommended Size
5	shumard oak	<i>Quercus shumardii</i>	1 ½" cal.
5	swamp white oak	<i>Quercus bicolor</i>	1 ½" cal.
6	bur oak	<i>Quercus macrocarpa</i>	1 ½" cal.
5	Exclamation planetree	<i>Platanus occidentalis</i> 'Morton Circle'	1 ½" cal.
4	Skyline honeylocust	<i>Gleditsia triacanthos</i> "Skyline"	1 ½" cal.
4	bald cypress	<i>Taxodium distichum</i>	6-8 feet
6	Red Rage blackgum	<i>Nyssa sylvatica</i> 'Red Rage'	1 ½" cal.
4	tulip poplar	<i>Liriodendron tulipifera</i>	1 ½" cal.

Caliper = trunk thickness near groundline. 1 ½" caliper trees should be approximately 10-12 feet tall, well branched. Trees may have balled and burlapped or container grown roots.

Tree Palette



shumard oak



swamp white oak



bur oak



Exclamation planetree



Skyline honeylocust



bald cypress



Red Rage blackgum



tulip poplar

Alternate Species

Fall Fiesta (sugar) maple
red oak
willow oak
Wildfire blackgum
Forum blackgum

Approximate Retail Costs

39 deciduous trees, 1 ½" caliper, balled and burlapped roots \$7800

(not including installation or cost of removals)

Further Assistance

For help with managing existing trees or planting new trees in Fayette City Park, contact the Columbia Office of the Missouri Department of Conservation:

Ann Koenig, Community Forester
3500 Gans Rd, Columbia MO 65201
573-815-7900 x3497

Plan prepared by Tim Frevert, Community Forestry Consulting, 12 /23 in cooperation with Missouri Department of Conservation.