

Tree Planting and Management Plan For Adair County Courthouse

Kirksville, Missouri



August 2019

Objectives

- Locate and evaluate existing trees. Recommend replacements for all ash, which are susceptible to Emerald Ash Borer.
- Create a balanced distribution of trees on the grounds.
- Maintain views of the courthouse from perimeter streets.
- Maintain space required for monuments, light standards and other features.
- Increase diversity of tree species. Use mainly natives.
- Suggest management for new trees.

Existing Trees

Existing courthouse trees consist of thirteen large growing ash, pin oak, tulip poplar, and bald cypress, with 8 to 30-inch trunk diameter, and one lower growing redbud. The ash are susceptible to Emerald Ash Borer, which has been found in Adair County, and are not high quality specimens. Two pin oaks on the south side of the courthouse near Washington Street are crowded by two larger adjacent oaks. The remainder of the trees are in good to excellent condition. Several trees have dead branches.



The courthouse grounds are dominated by thirteen large trees. Five ash are susceptible to destructive insects, and two pin oaks are crowded by other trees.



The north side of the courthouse is treeless, with only limited space available for new trees.

Recommendations for Existing Trees

Remove three, 12-18-26" ash in the southwest corner of the grounds, which are susceptible to EAB and not good specimens.

Remove two, 8-12" pin oaks in front of the courthouse on Washington St, which are being crowded and overtopped by adjacent pin oaks.

Remove one 18" ash on the east side of the grounds near Franklin St, which is susceptible to EAB and not a good specimen.

Recommendations for Existing Trees. Cont.

Temporarily retain two, 22-30" existing ash, one in the northwest corner of the grounds, and one near the southeast corner along Washington Street as shown on the drawing. Do not replace the ash in the northwest corner. Replace the ash in the southeast corner when desired with another large growing tree as shown.

Prune dead and low branches from established trees as required, perhaps every 3 years.

Recommendations for New Trees

Plant three Fall Fiesta (sugar) maples, two in the southwest corner, and one along Franklin Street, as shown on the drawing.

Plant four Rising Fire hornbeam along the north side of the courthouse, as shown.

Plant one redbud near the southwest corner of the courthouse as shown.

Plant one Autumn Brilliance serviceberry near the northeast corner of the courthouse as shown.

Begin regular watering for new trees, re-mulching, and pruning beginning the third year after planting.

Tree List

No. Needed	Common Name	Scientific Name	Recommended Size
3	Fall Fiesta maple	<i>Acer saccharum</i> 'Fall Fiesta'	1 ½" cal.
4	Rising Fire hornbeam	<i>Carpinus caroliniana</i> 'Uxbridge'	1 ½" cal.
1	redbud	<i>Cercis canadensis</i> single stem	1 ½" cal.
1	Autumn Brilliance serviceberry	<i>Amelanchier arborea</i> "Autumn Brilliance"	1 ½" cal.

Caliper = trunk thickness near groundline. 1 1/2" caliper trees should be approximately 10-12 feet tall, well branched. Trees may have balled and burlapped or container grown roots.

Tree Palette



Fall Fiesta maple



Rising Fire hornbeam



Autumn Brilliance serviceberry



redbud

Alternate Species

red oak
swamp white oak
Green Mountain maple
Commemoration maple
Legacy maple
Wildfire blackgum

Approximate New Tree Costs

9 deciduous trees, 1 ½" caliper, balled and burlapped \$1800

Not including removals

Further Assistance

For help with managing existing trees or planting new trees on the courthouse grounds, contact the Kirksville Office of the Missouri Department of Conservation:

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