

Tooele City Park Strip Tree Selection Guide

Planting the right tree in the right place supports maximum tree health and longevity in the landscape.

Small Tree Species

Tooele City does not recommend the use of small tree species in the park strips such as crab apples, hawthorns, ornamental cherries and ornamental varieties of maple. These trees have a low growth habit which results in clearance problems over sidewalks and streets that ultimately result in critical damage to the tree, pedestrians and automobiles. Small tree species may be planted in a park strip wider than 8 feet where individuals and vehicles will not need to pass under the tree's canopy.

Medium Tree Species

Medium Tree Species shall be used if one or more of the following conditions exist:

1. Park Strip is 5 – 8 feet wide.
2. Planting site has no overhead high voltage transmission lines.
3. Intermediate size is compatible with the site.

Catalpa – *Catalpa speciosa*, 45-50' mature height, 20 -25' mature canopy spread.

Frontier Elm – *Ulmus parvifolia*, 30-40' mature height, 20-30' mature canopy spread.

Ginkgo – *Ginkgo biloba*, 40-45' mature height, 15-30' mature canopy, very slow growth.

Goldenrain Tree – *Koelreuteria paniculata*, 30-40' mature height, 30-40' mature canopy spread.

Hackberry – *Celtis occidentalis*, 40-60' mature height, 30-50' mature canopy spread.

Honeylocust – *Gleditsia tricanthos*, 35-50' mature height, 20-40' mature canopy spread.

Crimean Linden – *Tilia x euchlora*, 40-50' mature height, 20-30' mature canopy spread.

Purple Blow Maple – *Acer truncatum*, 20-25' mature height, 20-30' mature canopy spread.

Hedge Maple – *Acer ampestre*, 25-35' mature height, 25-35' mature canopy spread.

Fruitless Mulberry – *Morus alba*, 30-50' mature height, 30-50' mature canopy spread.

Chokecherry – *Prunus virginiana*, 30' mature height, 20' mature canopy spread.

Columnar Oak – *Quercus robur 'fastigiata'*, 50' mature height, 15' mature canopy spread.

Zelkova – *Zelkova seratta*, 40-55' mature height, 30-50' mature canopy spread.

Large Tree Species

Large tree species shall be used ONLY if one or more of the following conditions exist:

1. Park strip is 8 feet wide or wider.

2. Planting site has no overhead high voltage transmission lines.
3. Site will accommodate large trees with maximum size, shade and energy conservation benefits.
4. Space for root and branch growth will not conflict with site features.

All medium sized trees may be planted in a large park strip in addition to the following large tree varieties:

European Beech – *Fagus sylvatica*, 50-60' mature height, 35-50' mature canopy spread.

Valley Forge Elm - *Ulmus Americana*, 60' mature height, 40-50' mature canopy spread.

Kentucky Coffeetree – *Gymnocladus dioicus*, 60-80' mature height, 40-45' mature canopy spread.

London Planetree – *Platanus x acerifolia*, 60-70' mature height, 30-60' mature canopy spread.

Silver Linden – *Tilia tomentosa*, 50-70' mature height, 25-40' mature canopy spread.

Bur Oak – *Quercus macrocarpa*, 60-80' mature height, 60-80' mature canopy spread.

English Oak – *Quercus robur*, 50'70' mature height, 50-70' mature canopy spread.

Norway Maple – *Acer platanoides*, 50 – 70' mature height, 50-60' mature canopy spread.

Horsechestnut – *Aesculus hippocastanum*, 50-75' mature height, 40-65' mature canopy spread.

Trees not Recommended for Planting in the Park Strips

All evergreen coniferous tree varieties. Evergreen trees impact visibility due to their dense canopies and should not be used in any park strip.

Siberian Elm, Russian Olive, Silver Maple, Box Elder, Cottonwoods, Poplars, Aspens and all varieties of **Willows**. These trees either generate pests, excessive suckering, are pollution intolerant, are disease prone or are soft wooded trees that tend to be short lived and break apart easily in wind storms.

Ash Trees. These trees are terrible street trees. They do not tolerate vehicle emissions and road salts from snow plows. Their canopies break apart as the tree struggles to survive in a harsh environment such as a park strip.

Prunes (prunus). These trees are popular due to their red foliage. However, these trees have a low growth habit that creates clearance problems on sidewalks and streets. They also generate large fruit that create a significant mess on the sidewalks and streets.

Callery Pear Trees. These trees are overplanted in Utah due to their compact upright growth habit that has made them very popular. Due to the high numbers of these trees that have been planted they have become susceptible to outbreaks of the bacterial disease known as Fire Blight. These trees also suffer from iron chlorosis due to incompatibility with Tooele's alkali soils. Please avoid this variety if possible. If the upright columnar look is desired in a park strip, look to the Columnar English Oak variety described in the list above.

Crab Apples. Beautiful ornamental trees that have a very small and low growth habit. These trees create clearance problems for sidewalks and streets when planted in a park strip. They also grow dense

fruit that creates a considerable mess on the sidewalk and street when the tree sheds the fruit. These trees are best suited for locations where people and cars will not be travelling underneath them.

Additional Recommendations

1. This tree species list is not exclusive of all varieties of trees. Tooele City acknowledges that there may be other species of trees that may grow and thrive in the Tooele area and are not included on this list. The purpose of this list is to encourage the use of tree species that are known performers and consistently do well in this City. The list also discourages the use of tree species that tend to be a nuisance, problematic and perform poorly within the park strip.
2. All trees planted in the park strip shall be maintained by the adjacent property owner. Trees shall be pruned to maintain pedestrian and vehicular clearances appropriately watered during hot summer months to ensure tree health and vitality.
3. All street trees shall be planted in accordance with tree placement requirements as found in Tooele City Code 4-11a-2; Park Strip Trees.
4. Trees shall not be planted within the 40 foot clear view zone where streets intersect.
5. Trees shall be planted 10 feet from a fire hydrant.
6. Trees shall be planted 30 feet from a stop sign.
7. Trees shall be planted 10 feet from a utility pole.