

## **APPENDIX C Road Tree List**

### Introduction

The selection of tree species to plant along roadsides, sidewalks and parking lots, including in islands and esplanades, is governed by the Town's commitment to maintaining a sustainable forest canopy. Sustainability requires managing for diversity at the genus level, and to the extent possible, selecting tree species from genera that are considered less susceptible to exotic tree pathogens. The Town's goal is to work toward a forest canopy in which no more than 5% of trees are from the same genus.

### Prohibited Species

At the present time, trees species from the following genera are not approved for planting: Acer (Maples), Betula (Birches), Fraxinus (Ashes), Quercus (Oaks), Populus (Aspens), and Tsuga (Hemlocks).

### Priority Species

The following tree species are from monotypic genera (ie. each genus has only one species), and are thus considered highly resistant to exotic tree pests. These trees may not be appropriate for many locations, but they should receive priority consideration when site characteristics are appropriate. These tree species are recommended for planting to meet the road tree requirements, subject to final approval by the Tree Warden based on site characteristics. The list includes the scientific and common tree name, whether the tree is native to Maine, expected height at maturity, and comments when applicable. All trees must be planted with a minimum caliper of 2 inches.

<b>Scientific</b>	<b>Common</b>	<b>Native</b>	<b>Height</b>	<b>Comments</b>
Cercidiphyllum japonicum	Katsuratree	N	60'	
Eucommia ulmoides	Hardy Rubber Tree	N		
Ginkgo biloba	Maidenhair Tree	N	60'	Male trees only
Gymnocladus dioicus	Kentucky Coffeetree	N		
Maackia amurensis	Amur Maackia	N	40'	
Maclura pomifera	Osage Orange	N		
Ptelea trifoliata	Hoptree	N	20'	

### Acceptable Species

The tree species listed below are acceptable for planting to meet the road tree requirements, subject to final approval by the Tree Warden based on site characteristics. The list includes the scientific and common tree name, whether the tree is native to Maine, expected height at

maturity, and comments when applicable. All trees must be planted with a minimum caliper of 2 inches.

<b>Scientific</b>	<b>Common</b>	<b>Native</b>	<b>Height</b>	<b>Comments</b>
Aesculus hippocastanum	Horsechestnut	N	70'	
Aesculus x carnea	Red Horsechestnut	N	40'	
Carpinus betulus	American Hornbeam	Y	30'	
Carpinus caroliniana	European Hornbeam	N	40'	
Carya ovata	Shagbark Hickory	Y	80'	
Cladrastus kentuckea	Yellowwood	N	60'	
Corylus columnna	Turkish Filbert	N	50'	
Gleditsia triancanthos	Honey Locust	N	40	Var. inermis
Juglans nigra	Black Walnut	N	70'	
Koelreuteria paniculata	Panicled Goldenraintree	N	30'	
Liriodendron tulipifera	Tuliptree	N	70'	
Liquidambar styraciflua	Sweetgum	N	60'	Spiny seed pods
Magnolia spp.	Magnolia	N	Various	
Nyssa sylvatica	Tupelo	Y	60'	
Ornamental spp.	Pears, Crabapples, Dogwoods, Cherries, tree form of Hydrangea & Hibiscus, etc.	Y/N	Various	As approved by Tree Warden
Ostrya virginiana	Eastern Hophornbeam	Y	30'	
Oxydendrum arboreum	Sourwood	N	30'	
Platanus x acerfolia	London Plane	N	75'	
Platanus occidentalis	American Sycamore	Y	75'	
Sorbus alnifolia	Korean Mountain Ash	N	35'	
Stewartia pseudocamelia	Japanese Stewartia	N	30'	

Syringa reticulata	Japanese Tree Lilac	N	30'	
Tilia americana	American Basswood	Y	70'	Cultivars only
Tilia cordata	Littleleaf Linden	N	60'	
Tilia tomentosa	Silver Linden	N	60'	
Ulmus hybrids	Accolade, Triumph	N	50'	
Ulmus parvifolia	Chinese Elm	N	50'	
Zelkova serrata	Zelkova	N	50'	
Other species	E.g., Conifer spp.	Y/N	Various	As approved by Tree Warden

### Cultivars and Hybrids

Cultivars and hybrids of the tree species listed above, unless specifically identified above, require approval of the Tree Warden.

### Esplanade and Islands

The key to planting sustainable trees in esplanades and islands is to ensure there is sufficient soil volume available to support the expected size of maturity for the tree species selected. Accordingly, any plan to plant trees species from the lists above in an esplanade or island must be accompanied by an analysis of available soil volume, and reference to a soil volume table or other guide showing the soil volume available is sufficient to support the tree selected.

### Site and Tree Characteristics

Tree species vary in their environmental needs and response to site characteristics. Just because a tree species is listed above doesn't mean it is the right tree for a particular location. Site characteristics such as moisture, presence of roadside or aerial salts, soil pH, and sun exposure must all be considered in selecting the right tree for the right location. Tree characteristics such as expected height and crown spread at maturity, fruit dropping, and presence of thorns, must also be considered for particular sites. Tree Warden approval is required to help ensure that site and tree characteristics are appropriate for a desired planting location.