

# Source of Project Cost

	PROJECT TASKS	LABOR HOURS	LABOR COST (\$)	MATERIAL COST (\$)	TRAVEL COST (\$)	OTHER COST (\$)	TOTAL PER TASK
PROJECT DESIGN	Develop Functional Specifications	1.0	\$1.00	\$1.00	\$1.00	\$1.00	\$5.00
	Develop System Architecture	1.0	\$1.00	\$1.00	\$1.00	\$1.00	\$5.00
	Develop Preliminary Design Specification	1.0	\$1.00	\$1.00	\$1.00	\$1.00	\$5.00
	Develop Detailed Design Specifications	1.0	\$1.00	\$1.00	\$1.00	\$1.00	\$5.00
	Develop Acceptance Test Plan	1.0	\$1.00	\$1.00	\$1.00	\$1.00	\$5.00
	<b>Subtotal</b>	<b>5.0</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$25.00</b>
PROJECT DEVELOPMENT	Develop Components	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Procure Software	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Procure Hardware	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Development Acceptance Test Package	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Perform Unit/Integration Test	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	<b>Subtotal</b>	<b>0.0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
PROJECT DELIVERY	Install System	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Train Customers	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Perform Acceptance Test	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Perform Post Project Review	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Provide Warranty Support	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Archive Materials	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Subtotal</b>	<b>0.0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
PROJECT MANAGEMENT	Customer Progress Meetings/Reports	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Internal Status Meetings/Reports	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Third-Party Vendor Interface	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Interface to Other Internal Departments	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Configuration Management	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Quality Assurance	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Overall Project Management	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Subtotal</b>	<b>0.0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
OTHER COST	Other cost	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Other cost	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Other cost	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	<b>Subtotal</b>	<b>0.0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Subtotals</b>	<b>5.0</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$25.00</b>	
Risk (Contingency)	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total (Scheduled)</b>	<b>5.0</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$5.00</b>	<b>\$25.00</b>	

# Approved Tree Palette -

1. Palms are not approved for residential parkways, they are approved for use in parks, commercial developments and setback landscape areas.
2. Other varieties and cultivars may be approved if requested on a case by case basis.
3. UF - notates utility friendly as it is expected to stay under 25' at maturity.

	Common Name	Scientific Name	Height/Width	Notes
3 Foot or Greater Grow Space	Bronze Loquat	Eriobotrya deflexa	25'/25' uf	Evergreen. Large leaves that show some reds through the year.
	Chinese Fringe Tree	Chionanthus retusus	20'/20' uf	Great tree for small locations. Slow growing.
	Coral Gum	Eucalyptus torquata	20'/20' uf	Hard to Find.
	Crape Myrtle	Lagerstromia indica	25'/20' uf	Overused in our Urban Forest - when cultivars are used Native names preferred.
	Dancer Flowering Pear	Pyrus betulifolia 'Dancer'	25'/20'	Nice medium to fast growing tree.
	Desert Willow	Chilopsis linearis	25'/20' uf	Drought Tolerant Species
	Eastern Redbud	Cercis canadensis	20'/20' uf	Great tree for small locations. Cultivars accepted. 20-30 year lifespan.
	Lemon Bottlebrush	Callistemon citrinus	25'/20' uf	Not overly attractive tree. Attracts bees.
	Little Gem Magnolia	Magnolia grandiflora 'little gem'	30'/10'	Needs moist soil to establish.
	St. Mary Magnolia	Magnolia grandiflora 'St. Mary'	25'/20'uf	Needs moist soil to establish.
	Water Gum	Tristanopsis laurina	35'/20'	Slow growing.
	Western Redbud	Cercis occidentalis	20'/20' uf	California native. Typically as shrub, but can be grown as single or multi trunk tree.
5 Foot or Greater Grow Space	Australian Willow	Geijera parviflora	40'/30'	Good evergreen parkway tree.
	Brisbane Box	Lophostomon conferta	60'/40'	Hard at young age to grow straight.
	Chanticleer Pear	Pyrus calleryana 'Chanticleer'	35'/25'	Grows in more of a pyramidal upright shape.
	Chinese Pistache	Pistacia chinensis	35'/35'	Tolerates drought once established.
	Desert Museum Palo Verde	Cercidium x 'Desert Museum'	25'/25'uf	Drought tolerant. Thornless. Fast growing with lots of yellow blooms in spring.
	Evergreen Pear	Pyrus kawakamii	30'/25'	Susceptible to fireblight.
	Flaxleaf Paperbark	Melaleuca linarifolia	30'/25'	Tolerates drought once established.
	Goldenrain Tree	Koelrueteria paniculata	25'/20'	Best in well drained soils.
	Lavender Trumpet Tree	Handroanthus heptophyllus	40'/30'	Shape can seem off when young, but forms round canopy once mature.
	Maidenhair Tree	Ginkgo biloba	60'/30'	Slow growing.Specify male grafted or cutting stock. Cultivars accepted.
	Majestic Beauty Magnolia	Magnolia g 'Majestic Beauty'	40'/20'	Needs moist soil to establish.
	Mimosa Tree	Albizia julibrissin	40'/40'	Fast growing, but short lifespan (10-15 years)
	Purple Orchid Tree	Bauhinia variegata	30'/25'	Beautiful flowering, but it can have a poor looking shape in maturity.
	Red Push Pistache	Pistacia x 'Red Push'	40'/30'	Great fall color.
	Redspire Pear	Pyrus calleryana 'Redspire'	35'/30'	Great fall color.
	Shademaster Locust	Gleditsia triacanthos'Shademaster'	45'/35'	Quick growth rate, but needs structural pruning when young to keep tree balanced.
Sour Gum	Nyssa sylvatica	40'/30'	Drought tolerant. Nice fall colors prior to leaf drop.	
Sunburst Locust	Gleditsia triacanthos'Sunburst'	40'/30'	Quick growth rate, but needs structural pruning when young to keep tree balanced.	

	Common Name	Scientific Name	Height/Width	Notes
--	-------------	-----------------	--------------	-------

8 Foot or Greater Grow Space	Bottle Tree	Brachychiton populneus	50'/40'	Surface roots can be an issue.
	California Sycamore	Platanus racemosa	70'/50'	Native. Fast growing to large tree. Affected by shot hole borer.
	Chinese Flame Tree	Koelrueteria bipinnata	40'/40'	Seeds will grow in surrounding landscape.
	Chinese Tallow Tree	Sapium sebiferum	40'/30'	Surface roots can be an issue.
	Fern Pine	Afrocarpus gracilior	60'/40'	Not recommended in areas unprotected from wind.
	Flame Tree	Brachychiton acerifolius	40'/30'	Surface roots can be an issue.
	Floss Silk Tree	Ceiba speciosa	50'/30'	Great flowering tree. Large spikes on trunk.
	Holly Oak	Quercus ilex	45'/45'	
	Jacaranda	Jacaranda mimosifolia	40'/50'	Beautiful flowering. Messy during bloom and is prone to leaning.
	London Plane	Platanus x acerifolia	60'/40'	Cultivars accepted.
	Olive Tree	Olea europaea	30'/30'	Fruit can be nuisance. Fruitless variety Swan Hill preferred.
	Southern Live Oak	Quercus virginiana	40'/50'	Not as drought tolerant as other oaks on this list.
	Southern Magnolia	Magnolia grandiflora	80'/60'	Needs moist soil to establish.
	Sawleaf Zelkova	Zelkova serrata	40'/40'	Fast growing.
Tipu Tree	Tipuana tipu	50'/40'	Fast growing. Needs low branching to be raised bi-yearly.	
Tulip Tree	Liriodendron tulipifera	70'/40'	Aphid issues are concern for neighborhood planting due to honeydew drip (like sap).	

10 Foot or Greater Grow Space	Camphor Tree	Cinnamomum camphora	50'/60'	Tree becomes very large with age.
	Chinese Elm	Ulmus parvifolia	60'/70'	Fast growing. Culitars accepted.
	Coast Live Oak	Quercus agrifolia	70'/70'	Native. Large tree; great in right placement.
	Upright English Oak	Quercus robur 'Fastigiata'	50'/15'	Grows columnar shaped, but still need room for roots.
	Valley Oak	Quercus lobata	70'/50'	Native. Large tree; great in right placement.

**Pine Trees shall not be planted closer than 15 feet from a wall.**

20 Foot or Greater Grow Space	Aleppo Pine	Pinus halepensis	60'/40'	Drought tolerant.
	Canary Island Pine Tree	Pinus canariensis	80'/35'	Drought tolerant.

	Common Name	Scientific Name	Height/Width	Notes
--	-------------	-----------------	--------------	-------

**Palm Trees - for parks, set back landscapes and commercial developments. Palms not approved for planting in neighborhood parkways.**

Palm Trees - for parks, set back landscapes and commercial developments.	California Fan Palm	Washingtonia filifera	60'/20'	Susceptible to Diamond Scale.
	Canary Island Date Palm	Phoenix canariensis	60'/40'	Susceptible to Fusarium and Root Rot.
	Date Palm	Phoenix dactalifera	100'/30'	
	King Palm	Archontophoenix cunninghamiana	40'/30'	
	Mexican Fan Palm	Washingtonia robusta	100'/15'	
	Washingtonia Hybrid	Washingtonia filibusta	80'/15'	
	Windmill Palm	Trachycarpus fortunei	30'/15'	

**Trees that are not to be used in city landscapes, parks, parkways and are not encouraged.**

Do not use in City's landscapes areas	American Sweetgum	Liquidambar styraciflua		Due to Bacterial Leaf Scorch.
	European White Birch	Betula pendula		Not well suited to the area.
	Purple Leaf Plum	Prunus cerisera		Not well suited to the area.
	White Alder	Alnus rhombifolia		Short lived.
	*African Sumac	Rhus lancea		Not to be used in neighborhood parkway plantings and high wind areas.