

**Street Tree Maintenance Manual - LOS Comparison**  
**December 5, 2017**

"Current" Level of Service			"Desired" Level of Service		
<b>Annual Cost</b>					
\$174,000 current budget			Additional \$135,400		
<b>Staff (dedicated 80% to street trees, 20% to park trees)</b>					
a) 1 permanent Maintenance Worker (Arborist). b) 1 permanent Maintenance Worker pulled from other Parks maintenance work for 4 months. c) 1 temporary Maintenance Worker as ground support for 8 months/year.			Additional Maintenance Worker (Arborist) and associated vehicle and equipment.		
<b>Pruning Cycle</b>					
<ul style="list-style-type: none"> <li>• Younger trees pruned every 15 years</li> <li>• Older trees pruned every 17 years</li> </ul>			<ul style="list-style-type: none"> <li>• Younger trees pruned every 5 years</li> <li>• Older trees pruned every 7 years</li> </ul>		
<b>Yearly Maintenance Work</b>					
Cycle Length	Trees	Maintenance	Cycle Length	Trees	Maintenance
15 yrs	70	Pruning 1-6" diameter trees	5 yrs	211	Pruning 1-6" diameter trees
	47	Pruning 7-12" diameter trees		143	Pruning 7-12" diameter trees
17 yrs	29	Pruning 13-24" diameter trees	7 yrs	71	Pruning 13-24" diameter trees
	5	Pruning 25-36" diameter trees		11	Pruning 25-36" diameter trees
5 yrs	17	Removals	5 yrs	17	Removals
N/A	All	40 minutes general maintenance (weeding, litter removal, mulching, tree grate maintenance, remove root suckers)	N/A	All	40 minutes general maintenance (weeding, litter removal, mulching, tree grate maintenance, remove root suckers)
	162	20 minute Post-Pruning Inspection		487	20 minute Post-Pruning Inspection
	10	Planting & watering new trees		15	Newly planted trees & watering

## Analysis

Trees are pruned 2-3 times more often in the “Desired” LOS.

### *“Current” LOS*

Far below basic industry standards for tree maintenance.

Pulling Maintenance Worker from other maintenance work impacts overall Parks operations.

#### Longer pruning cycle

- Tree condition will deteriorate in the length of time between prunings.
- Trees will grow, making work more difficult and expensive.
- Liabilities cannot be proactively managed.

### *“Desired” LOS*

Meets basic industry standards for tree maintenance.

Dedicated, permanent crew will make tree work safer and more efficient.

#### Shorter pruning cycle

- Keeps trees pruned back away from street lights, traffic signs, and buildings improving safety and reducing citizen complaints.
- Prunes trees when they are younger, making the work easier, cheaper, and better for tree health.