

# Street Tree Preservation (P500700)

Category                      Transportation  
 Sub Category                Highway Maintenance  
 Administering Agency      Transportation (AAGE30)  
 Planning Area                Countywide

Date Last Modified            11/17/14  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	4,113	59	1,354	2,700	450	450	450	450	450	450	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	32,781	15,302	2,179	15,300	2,550	2,550	2,550	2,550	2,550	2,550	0
Other	6	6	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>36,900</b>	<b>15,367</b>	<b>3,533</b>	<b>18,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	28,904	11,909	2,148	14,847	2,750	2,164	1,929	2,004	3,000	3,000	0
Land Sale	458	458	0	0	0	0	0	0	0	0	0
Recordation Tax Premium	7,538	3,000	1,385	3,153	250	836	1,071	996	0	0	0
<b>Total</b>	<b>36,900</b>	<b>15,367</b>	<b>3,533</b>	<b>18,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,000
Appropriation Request Est.	FY 18	3,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		18,900
Expenditure / Encumbrances		15,367
Unencumbered Balance		3,533

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 17      36,900
Last FY's Cost Estimate	30,900
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

## Description

This project provides for the preservation of street trees through proactive pruning that will reduce hazardous situations to pedestrians and motorists, help reduce power outages in the County, preserve the health and longevity of trees, decrease property damage incurred from tree debris during storms, correct structural imbalances/defects that cause future hazardous situations and that shorten the lifespan of the trees, improve aesthetics and adjacent property values, improve sight distance for increased safety, and provide clearance from street lights for a safer environment. Proactive pruning will prevent premature deterioration, decrease liability, reduce storm damage potential and costs, improve appearance, and enhance the condition of street trees.

## Cost Change

Cost increase due to the addition of FY21-22 to this ongoing level-of-effort project.

## Justification

In FY97, the County eliminated the Suburban District Tax and expanded its street tree maintenance program from the old Suburban District to include the entire County. The street tree population has now increased from an estimated 200,000 to over 400,000 trees. Since that time, only pruning in reaction to emergency/safety concerns has been provided. A street tree has a life expectancy of 60 years and, under current conditions, a majority of street trees will never receive any pruning unless a hazardous situation occurs. Lack of cyclical pruning leads to increased storm damage and cleanup costs, right-of-way obstruction and safety hazards to pedestrians and motorists, premature death and decay from disease, weakening of structural integrity, increased public security risks, and increased liability claims. Healthy street trees that have been pruned on a regular cycle provide a myriad of public benefits including energy savings, a safer environment, aesthetic enhancements that soften the hard edges of buildings and pavements, property value enhancement, mitigation of various airborne pollutants, reduction in the urban heat island effect, and storm water management enhancement. Failure to prune trees in a timely manner can result in trees becoming diseased or damaged and pose a threat to public safety. Over the long term, it is more cost effective if scheduled maintenance is performed. The Forest Preservation Strategy Task Force Report (October, 2000) recommended the development of a green infrastructure CIP project for street tree maintenance. The Forest Preservation Strategy Update (July, 2004) reinforced the need for a CIP project that addresses street trees. (Recommendations in the inter-agency study of tree management practices by the Office of Legislative Oversight (Report #2004-8 - September, 2004) and the Tree Inventory Report and Management Plan by Appraisal, Consulting, Research, and Training Inc. (November, 1995)). Studies have shown that healthy trees provide significant year-round energy savings. Winter windbreaks can lower heating costs by 10 to 20 percent, and summer shade can lower cooling costs by 15 to 35 percent. Every tree that is planted and maintained saves \$20 in energy costs per year. In addition, a healthy street tree canopy captures the first 1/2 inch of rainfall reducing the need for storm water management facilities.

## Fiscal Note

## Street Tree Preservation (P500700)

Includes funding switches from Current Revenue: General to Recordation Tax Premium in FY16-20.

### **Disclosures**

Expenditures will continue indefinitely.

### **Coordination**

Maryland-National Capital Park and Planning Commission, Department of Environmental Protection, Maryland Department of Natural Resources, Utility companies