

August 20, 2012

Ronald Reagan Washington National Airport will be performing tree maintenance work in and around Gravelly point and Roaches Run. The purpose of the work is to trim or remove trees that potentially impact the flight paths of aircraft arriving or leaving the Airport in accordance with *Federal Aviation Regulations, Part 77, Safe, Efficient Use, and Preservation of the Navigable Airspace*.

The Metropolitan Washington Airports Authority has notified the National Park Service (NPS) of trees on NPS property that require this maintenance and plans to begin the work in the coming weeks. Our goal is to provide a safe flight path for the traveling public as well as maintain the scenic beauty of the areas of the George Washington Memorial Parkway surrounding the Airport.

The maintenance will include tree trimming and, in a few cases, tree removal. It should be noted that the large majority of trees near the Airport will not be affected by this maintenance. Of the trees which are affected, most of the work will involve trimming to bring trees into compliance with height restrictions, avoiding the need to remove trees wherever feasible. The greatest impact to NPS resources will be the loss of the small grove of trees by the entrance to Gravelly Point. Where removal is needed, we will work with NPS to replant native species of trees that will help to maintain the park's cultural landscape and natural amenities for visitor enjoyment.

Once the maintenance begins, it should take about four weeks to complete. All work will be performed during daylight hours. Work within active vehicular traffic lanes will have appropriate safety measures in place. The contact for this work is Richard Golinowski Manager, Airport Operations at Ronald Reagan Washington National Airport.

The table on the next page summarizes the planned maintenance surrounding the airport.

**Results:**

1. The results for each of the approaches are provided separately according to runway approaches.

**Summary:**

Quantity of trees for each runway approach

Location	Prune NPS	Prune CSX	Remove -1 NPS	Remove – 1 CSX	Remove – 2 NPS	Remove-2 CSX	Prune undetermined
Approach 1	8						
Approach 4	4		3				
Approach 15	20	6	1	1		group	
Approach 19	40	3	1		33		1
<b>Totals</b>	<b>72</b>	<b>9</b>	<b>5</b>	<b>1</b>	<b>33</b>	<b>1</b>	<b>1</b>

Action	Quantities
<b>Remove</b>	40
<b>Prune</b>	82

Remove – 1 – Trees recommended for removal that are dead or dying.

Remove - 2 – Trees recommended for removal that will have 25%-50% or more of the canopy removed.

**Replacement calculations:**

Remove-1 or trees recommended for removal that are dead or dying are not included in the replacement calculations.

Total accumulated diameter at breast height for remove-2 trees – 713 inches.

**Planting Ceiling:**

The Penetration Values were subtracted from the Height Above Ground values in the tables. This provides an estimate of the “ceiling” for selecting replacement plants in each specific area. The ceilings are shown on the attached maps. A summary is given below.

Runway 1 – 75’ to 80’ planting ceiling – native canopy hardwoods can be maintained in this area.

Runway 4 – 60’ planting ceiling – native canopy hardwoods can be maintained in this area.

Runway 15

Group A – 15’ planting ceiling – shrubs

Group B – 40’ planting ceiling – short trees and shrubs.

Runway 19 (see map for given ranges)

Group A – 23’ planting ceiling – short trees and shrubs

Group B – 25’ to 35’ planting ceiling – short trees and shrubs

Group C – 30’ to 40’ planting ceiling – short trees and shrubs

Group D – 20’ and 30’ for TR197 – short trees and shrubs

Group E – 70’ planting ceiling – native canopy hardwoods can be maintained in this area.

Group F – 65’ planting ceiling – native canopy hardwoods can be maintained in this area.

Group G – 19’ planting ceiling – short trees and shrubs

Tree H – 40’ planting ceiling – the cottonwood can be maintained in this area.

Tree I – 22’ planting ceiling – short trees and shrubs.