

College Park Airport Safety Project

April 30, 2020



Goals

- **Safety for Public and Pilots**
- **Environmental Stewardship**
 - **Minimize Impact & Restore Resources**
- **Enhanced Amenities**



Background: Field of Firsts

- College Park Airport is the oldest continuously operating airport in the world!
- Known as 'Field of Firsts' due to the significant aviation firsts that happened here.

-1909: Wilbur Wright, of the Wright Brothers fame, taught U.S. Army officers how to fly here – resulting in first pilot to solo in a military aeroplane

-1912: First mile-high flight by a military aviator



Background: Safety Project

- Every 4-8 years, trees in designated areas near College Park Airport must be trimmed to meet Maryland Regulation 11.03.05.03: "A person may not allow trees to grow to such a height as to be an airport hazard or allow trees that are an existing airport hazard to grow any higher."
- The last tree trimming was in 2012
- Later in 2012, FAA began strengthening obstruction restrictions for small airports in terms of allowable height and impacted area



Background: Safety Project

- In 2020, 387 trees were removed to meet stricter FAA regulations – especially tighter rules governing 200 feet from runway – and to ensure public safety near recreation areas.

- Environmental stabilization measures include:

- Installation of a staked straw bales along the trail near CSX/Metro underpass

- Seed with annual rye and soil stabilization, straw mulching and matting along area adjacent to Paint Branch and near CSX/Metro



Revised Obstruction Mitigation Plan



Obstruction Mitigation Plan

- Tree trimming strictly limited to FAA safety requirements for ongoing, unchanged airport operations
- In compliance with all federal and state regulations and in consultation with Maryland Department of Environment, Army Corps of Engineers, Prince George's County Soil Conservation District and Planning Department, US Fish and Wildlife Service, Maryland Historic Trust
- Independent 3rd party oversight to ensure best management practices



Obstruction Mitigation Plan

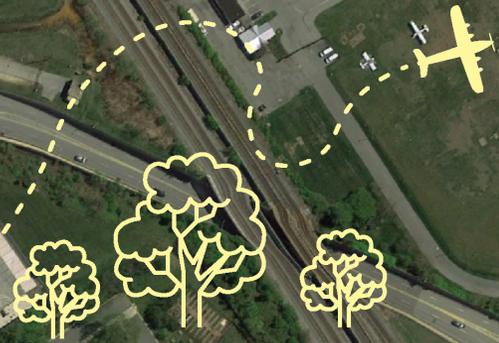
- Updated approach includes minimal ground disturbance, limited machinery, expanded hand-tools – minimizing impact to ecosystem, canopy and overall environment
- Going forward, trimming will take place every 4-5 years instead of every 7-8 years – resulting in shorter maintenance intervals and less impact to trees
- Revised plan includes modest to heavy trimming with





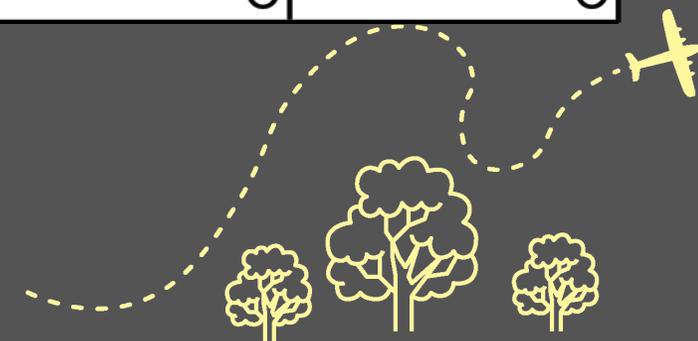
RW 15

Tree Impact Counts by Zone



RW-15 Tree Count Per Zone by Amount Trimmed

Zone	0 to 10 ft	10 to 20 ft	20 to 30 ft	30 to 40 ft	40 to 50 ft	50 to 60 ft
A	75	37	74	2	15	3
B	88	284	54	19	19	15
C	98	148	29	0	24	0
D	128	49	35	0	0	0
E	232	52	26	0	0	0
F	293	0	0	0	0	0
G	90	0	0	0	0	0
Beyond G	88	0	0	0	0	0



RW 33



Tree Impact Counts by Zone



RW-33 Tree Count Per Zone by Amount Trimmed

Zone	0 to 10 ft	10 to 20 ft	20 to 30 ft	30 to 40 ft	40 to 50 ft	50 to 60 ft	60 to 70 ft	70 to 80 ft	80 to 90 ft	90 to 105ft
A	0	0	0	20	0	0	0	0	0	0
B	0	0	0	0	0	0	0	0	0	8
C	0	0	0	0	0	0	0	8	9	13
D	20	0	0	2	16	11	4	0	0	0
E	62	73	45	16	12	9	11	0	0	0
F	94	49	8	5	0	0	0	0	0	0
Beyond F	394	174	0	0	0	0	0	0	0	0



- Trees to be trimmed: Approx. 3,000

Revised Tree Trimming Plan

- Total tree count by amount trimmed

- 0 to 10 ft.	1,662 trees
- 10 to 20 ft.	812 trees
- 20 to 30 ft.	271 trees
- 30 to 40 ft.	64 trees
- 40 to 50 ft.	86 trees
- > 50 ft.	91 trees



isting
yground

Commitment to Community



Tree Re-Planting Plan

- A total of 1,160 trees will be planted -- 900 more trees than is required by regulations
- Represents 3:1 ratio of trees replanted to trees removed and includes 70% canopy trees
- Planted in City of College Park and surrounding area
- Reviewed by regulatory agencies as well as Riverdale Park and City of College Park (Assistant Director of Public Works)



Tree Re-Planting Plan

- Phase One – Spring 2020
 - 100 trees
- Phase Two – Fall 2020
 - 550 trees
- Phase Four – Spring 2021
 - 160 trees
- Phase Three – Fall 2021
 - 350 trees



Phase One

Zone 2 Species & Counts

- *Viburnum lentago* - 10
- *Viburnum dentatum* - 8
- *Viburnum prunifolium* - 10
- *Cornus sericea* - 5
- *Amelanchier canadensis* - 5
- *Magnolia virginiana* - 5
- *Aronia arbutifolia/melanocarpa* - 8
- *Lindera benzoin* - 8
- *Cercis canadensis* 'Covey' - 4
- *Chionanthus virginicus* - 4

Zone 2
Spring 2020

Zone 1 Species & Counts

- *Cercis canadensis* - 5
- *Cornus florida* - 10
- *Quercus rubra/alba/palustris* - 10
- *Acer rubrum* ('October Glory' & 'Red Sunset') - 10
- *Betula nigra* - 3
- *Fagus grandifolia* - 2
- *Nyssa sylvatica* - 5
- *Tilia americana* - 2
- *Platanus occidentalis* - 4
- *Carya ovata* - 2
- *Ulmus americana* 'Valley Forge' varietal - 2

Zone 1
Spring 2020

Zone 3
TBD

Campus Drive

Kenilworth Avenue



Phase Two

5211 Campus Dr

Zone 4
Fall 2020

Campus Drive

Zone 5
Fall 2020

Zone 4 Planned Types

- Flowering- 12
- Canopy - 34

Zone 5 Planned Types

- Flowering- 67
- Canopy - 55



4901 Lakeland Rd

Rhode Island Avenue

Pierce Avenue

Zone 6

Fall 2020

Zone 6 Planned Types

- Flowering - 25
- Canopy - 32

Phase Two



Phase Two

Metzerott Road

Baltimore Ave



Zone 7
Fall 2020

Zone 8
Fall 2020
4300 Metzerott Rd

Zone 7 Planned Types

- Flowering- 14
- Canopy - 35

Zone 8 Planned Types

- Flowering- 30
- Canopy - 66

Phase Two

Zone 9
Fall 2020

Zone 9 Planned Types

- Understory Tree- 15
- Shrub- 185



Tree Re-Planting Plan

- **Survivability Strategy**
 - **Phased Approach**
 - **Species Selection & Size (2.5" caliper trees)**
 - **Water Support (water bags, by truck / hand)**



Enhanced Amenities

- Two 20x20 permanent shade structures in Old Calvert Road Park
- Upgraded disc golf course including custom artwork such as tree sculptures



Communications

- Interpretative signage at multiple sites informing public of Safety Project work as well as overview of area's historical highlights
- Quarterly online progress reports

