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
Tree Impact Counts by Zone

- G: 90 trees
- F: 293 trees
- E: 310 trees
- D: 212 trees
- C: 299 trees
- B: 479 trees
- A: 206 trees
<table>
<thead>
<tr>
<th>Zone</th>
<th>0 to 10 ft</th>
<th>10 to 20 ft</th>
<th>20 to 30 ft</th>
<th>30 to 40 ft</th>
<th>40 to 50 ft</th>
<th>50 to 60 ft</th>
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<tbody>
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<td>74</td>
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<td>15</td>
<td>3</td>
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<tr>
<td>B</td>
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<td>19</td>
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<tr>
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</table>
Tree Impact Counts by Zone

- A: 20 trees
- B: 8 trees
- C: 30 trees
- D: 53 trees
- E: 228 trees
- F: 156 trees
## RW-33 Tree Count Per Zone by Amount Trimmed

<table>
<thead>
<tr>
<th>Zone</th>
<th>0 to 10 ft</th>
<th>10 to 20 ft</th>
<th>20 to 30 ft</th>
<th>30 to 40 ft</th>
<th>40 to 50 ft</th>
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<th>60 to 70 ft</th>
<th>70 to 80 ft</th>
<th>80 to 90 ft</th>
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Revised Tree Trimming Plan

- Trees to be trimmed: Approx. 3,000
- 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
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 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 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 3
TBD

Campus Drive
Kenilworth Avenue
Phase Two

Zone 4
Fall 2020

Zone 4 Planned Types
- Flowering: 12
- Canopy: 34

Zone 5
Fall 2020

Zone 5 Planned Types
- Flowering: 67
- Canopy: 55
Phase Two

Zone 6
Fall 2020

Zone 6 Planned Types

- Flowering: 25
- Canopy: 32
Phase Two

Zone 7
Fall 2020

Zone 8
Fall 2020

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