MASTER PLAN MISSION:
How do we modernize the airport to enhance the student experience, aerospace research & the central Ohio region?
• Ensure safety and security
• Meet customer needs with quality service
• Focus on all general aviation needs with emphasis on students
• Be mindful of airport impact on neighborhoods
• Maintain FAA Part 139 standards & all airport design requirements
• Be cost effective
The Ohio State University Airport Master Plan

Progress/Schedule

- Fall 2017: TAC Briefing
- Winter 2018: TAC Briefing
- Spring 2018: TAC Briefing
- Summer 2018: TAC Briefing
- Fall 2018: Public Meeting
- Winter 2019: TAC Briefing

Steps:
1. Environmental Overview
2. Existing Conditions
3. Aviation Forecasts
4. Facility Requirements
5. Alternatives Development
6. Airport Layout Plan/Mapping, Survey & Data Development
7. Financial Implementation
8. Final Documents

TAC = Technical Advisory Committee

We are here!
Activity Forecast

Based Aircraft

<table>
<thead>
<tr>
<th>Year</th>
<th>Helicopter</th>
<th>Jet</th>
<th>Multi-Engine</th>
<th>Single Engine/Light Sport/Experimental</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>9%</td>
<td>11%</td>
<td>76%</td>
<td>4%</td>
</tr>
<tr>
<td>2022</td>
<td>9%</td>
<td>11%</td>
<td>76%</td>
<td>4%</td>
</tr>
<tr>
<td>2027</td>
<td>10%</td>
<td>10%</td>
<td>75%</td>
<td>5%</td>
</tr>
<tr>
<td>2037</td>
<td>10%</td>
<td>11%</td>
<td>73%</td>
<td>6%</td>
</tr>
</tbody>
</table>

Operations

<table>
<thead>
<tr>
<th>Year</th>
<th>ITINERANT</th>
<th>LOCAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2022</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2027</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2037</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Runways

**Parallel Runway (North)**
(Runway 9L-27R)
A-II (e.g. Pilatus PC-12)
2,994 x 100 feet

**Crosswind Runway**
(Runway 5-23)
B-I (small) (e.g. Cessna CJ1)
3,562 x 100 feet

**Primary Runway (South)**
(Runway 9R-27L)
C/D-II (e.g. Gulfstream 450)
5,004 x 100 feet
## Runway Length Requirements

### Small aircraft - 12,500 lbs. or less

| 100% Less than 10 passengers | 4,000 |
| 100% 10 or more passengers   | 4,250 |

### Large Aircraft - 60,000 pounds or less

| 75% at 60% useful load       | 5,405 |
| 75% at 90% useful load       | 7,000 |
| 100% at 60% useful load      | 5,620 |
| 100% at 90% useful load      | 8,320 |

Source: AC 150/5325-4B, Runway Length Requirements for Airport Design
ALTERNATIVE 4
Extend North Runway 1,306 feet east and 1,700 feet west for a total of 6,000 ft.
The Ohio State University Airport Master Plan

**Taxiways**

- FAA designated hotspot
- Proposed runway closure

### Runway Current Usage

<table>
<thead>
<tr>
<th>Runway</th>
<th>Current Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Primary Runway (South)</strong></td>
<td></td>
</tr>
<tr>
<td>09R</td>
<td>24%</td>
</tr>
<tr>
<td>27L</td>
<td>50%</td>
</tr>
<tr>
<td><strong>Parallel Runway (North)</strong></td>
<td></td>
</tr>
<tr>
<td>09L</td>
<td>7%</td>
</tr>
<tr>
<td>27R</td>
<td>14%</td>
</tr>
<tr>
<td><strong>Crosswind Runway</strong></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1%</td>
</tr>
<tr>
<td>23</td>
<td>3%</td>
</tr>
</tbody>
</table>

*Source: CMH radar sample of 40% of operations*
Preferred Taxiway Alternatives

- Direct access to runway without turn
- Proposed runway closure
Environmental Considerations

Potential environmental considerations associated with airport improvements*

- Water resources
- Historical structures/archaeology
- Noise/social impacts

*Detailed environmental studies will be completed for individual projects as needed, should they move forward.
37% reduction in area covered by 60 & 65 DNL compared to previous forecast
1. Review your comments  
   (due March 26th)

2. Finalize master plan chapters and circulate  
   (2 week comment period)

3. Submit to FAA for review; respond to comments

4. University Board of Trustees review & adoption

5. FAA acceptance