



THE OHIO STATE UNIVERSITY

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AIRPORT

# MORPC ADVISORY COMMITTEES

Airport Development Initiatives & Master Plan Update  
December 2018







# Meeting Purpose/Agenda

- Current Development Initiatives
- Progress/Schedule
- Facility Requirements & Alternatives
  - Runway and Taxiway Alternatives
  - Terminal Area Alternatives
- Public/Stakeholder Input
- Next Steps



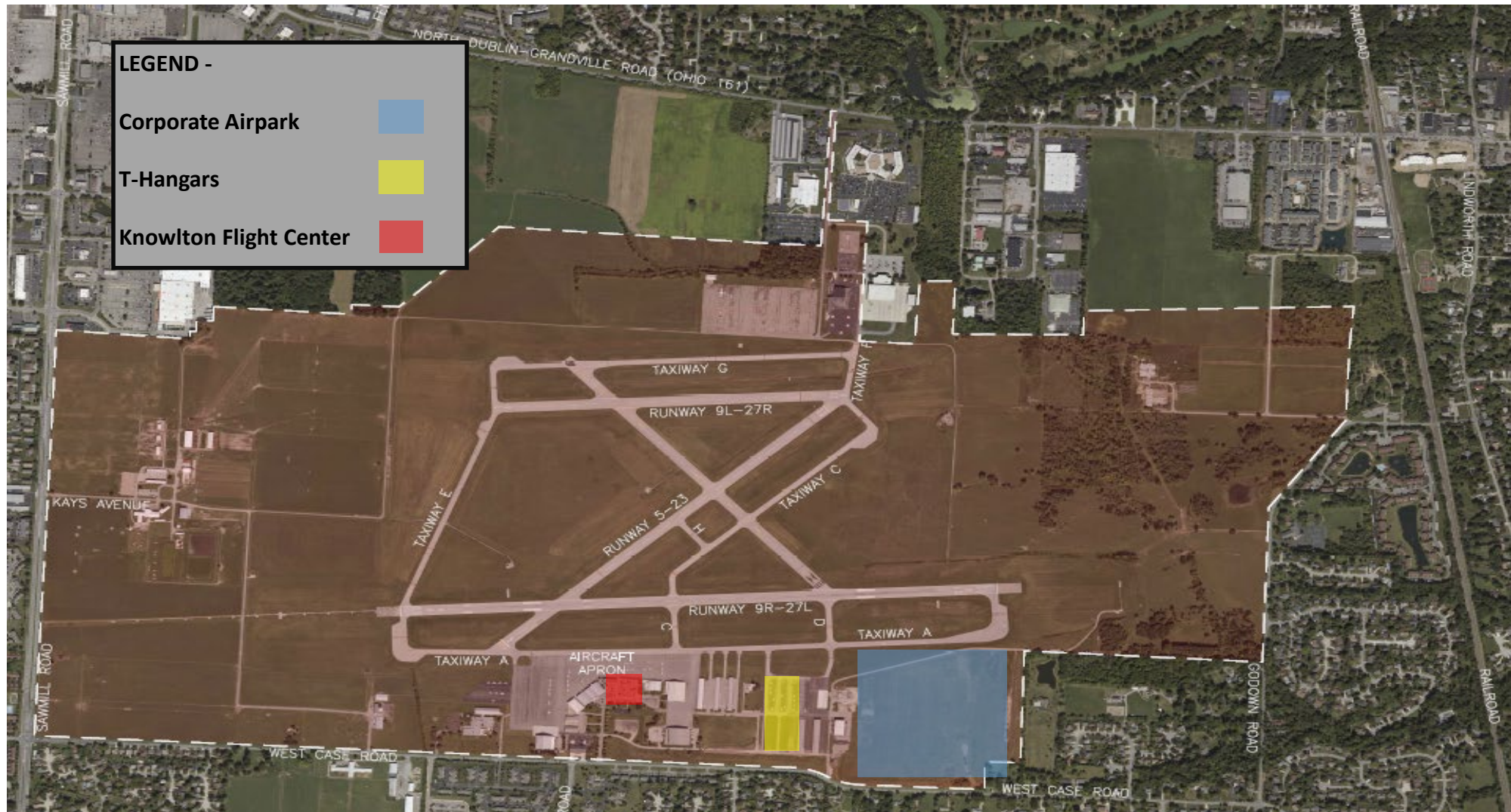




# CURRENT DEVELOPMENT INITIATIVES











# Knowlton Flight Center

- Refreshed gateway to Ohio State and central Ohio
- Centralizes airport administration, fixed base operations, and flight education
- Encourages interaction between students & industry professionals
- Enhanced public space
- Improves operating efficiencies







# Knowlton Flight Center







# T-Hangars

- Construct 56 new t-hangar units
- Serve personal aircraft needs of central Ohio residents
- Address wait list of roughly 140 aircraft
- Stabilize airport revenues







# Corporate Air Park

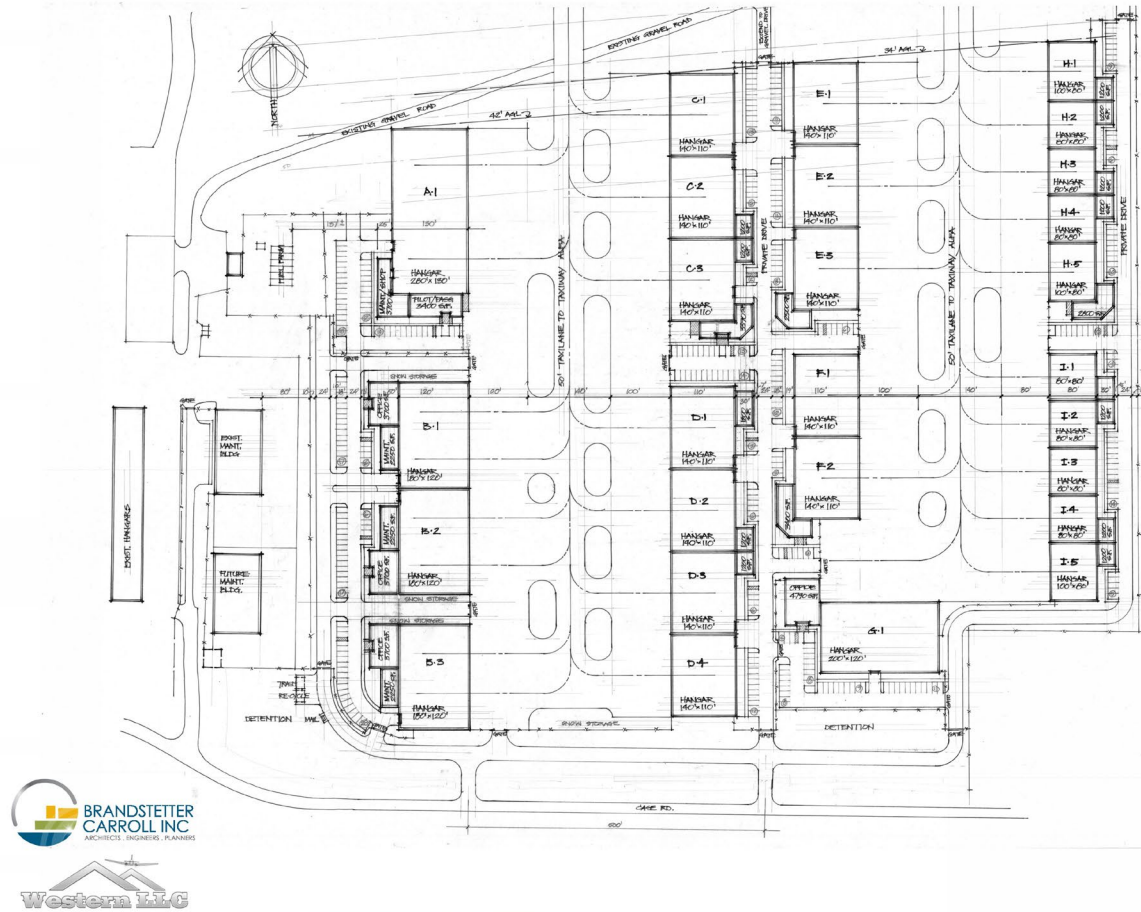
- 50 acre site, FAA restricted to aeronautical uses
- Serve central Ohio's current corporate aircraft needs
- Enhance central Ohio as a place for businesses
- Address wait list for corporate hangar space
- Provide learning, discovery, and career opportunities for university students
- Stabilize airport revenues







# Corporate Air Park



OHIO STATE UNIVERSITY AIRPORT  
CONCEPTUAL DEVELOPMENT SITE PLAN

Scale: 1"=60'-0"  
June 1, 2018







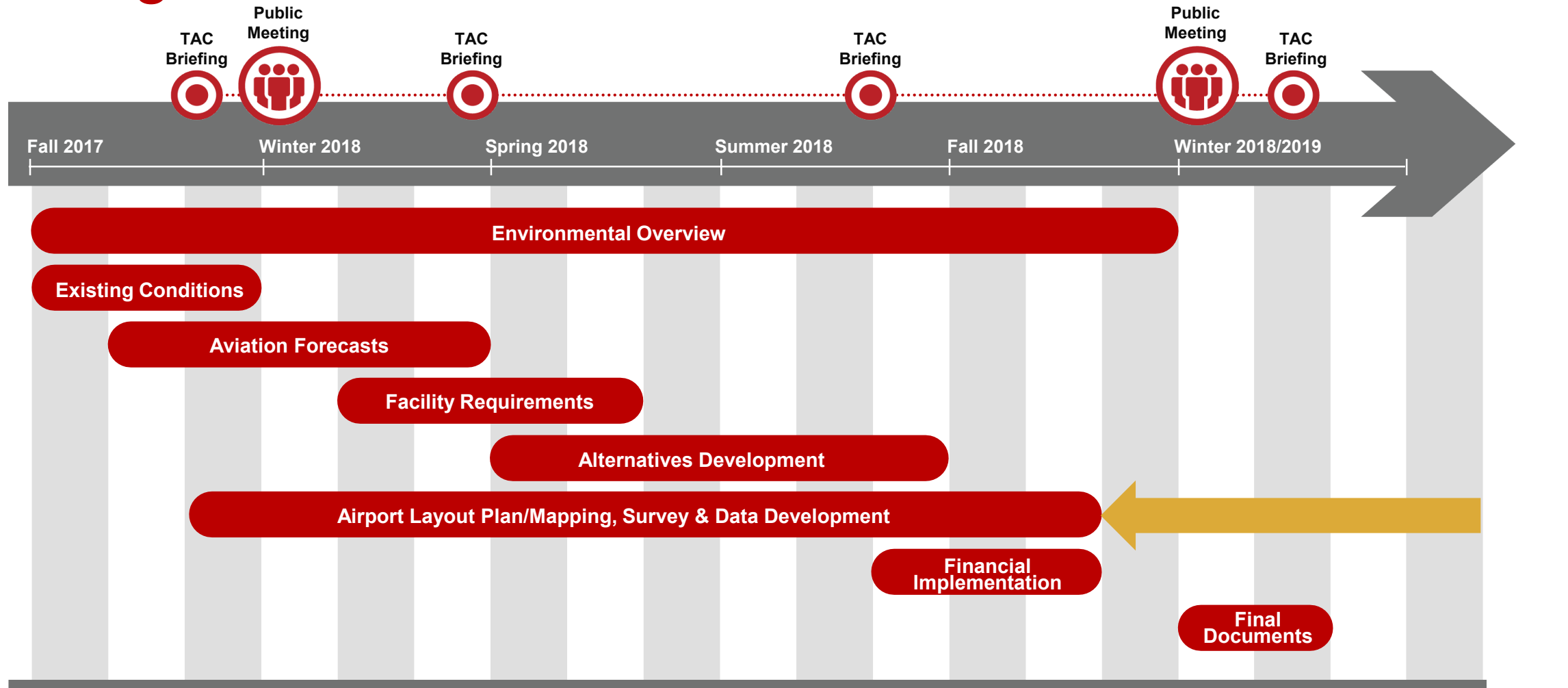
# MASTER PLAN UPDATE







# Progress/Schedule



TAC = Technical Advisory Committee







# FACILITY REQUIREMENTS & ALTERNATIVES







# Facility Requirements and Alternatives

- **Ensure safety and security is the first priority, followed by meeting customer needs with quality service.**
- Focus on the needs of all general aviation with an emphasis on students.
- Promote compatible land use on the airport.
- Co-locate like users/services where possible.
- Plan landside development in an efficient, flexible and cost-effective manner.
- Preserve investment in existing facilities, property contiguous with taxiways and aprons for aviation purposes with airside needs.
- Maintain Class IV, Part 139 Standards and all FAA regulations and design standards.
- *Be mindful of airport impact on neighborhoods.*







## Runways

Runway Length Requirements		
Airport Elevation	906 ft. MSL	
Mean daily maximum temperature of the hottest month	84 F	
Maximum difference in runway centerline elevation (gradient)	12 ft.	
Small aircraft		
100% of small aircraft (12,500 lbs. or less & less than 10 passengers)	4,000	
100% of small aircraft (12,500 lbs. or less 10 or more passengers)	4,250	
Large aircraft of 60,000 pounds or less	Dry	Wet
75% of these large aircraft at 60% useful load	4,820	5,405
75% of these large aircraft at 90% useful load	6,570	7,000
100% of these large aircraft at 60% useful load	5,620	5,620
100% of these large aircraft at 90% useful load	8,320	8,320

Source: AC 150/5325-4B, Runway Length Requirements for Airport Design





## Alternative 4

Extend Secondary Runway 1306  
feet to east and 1700 feet to west





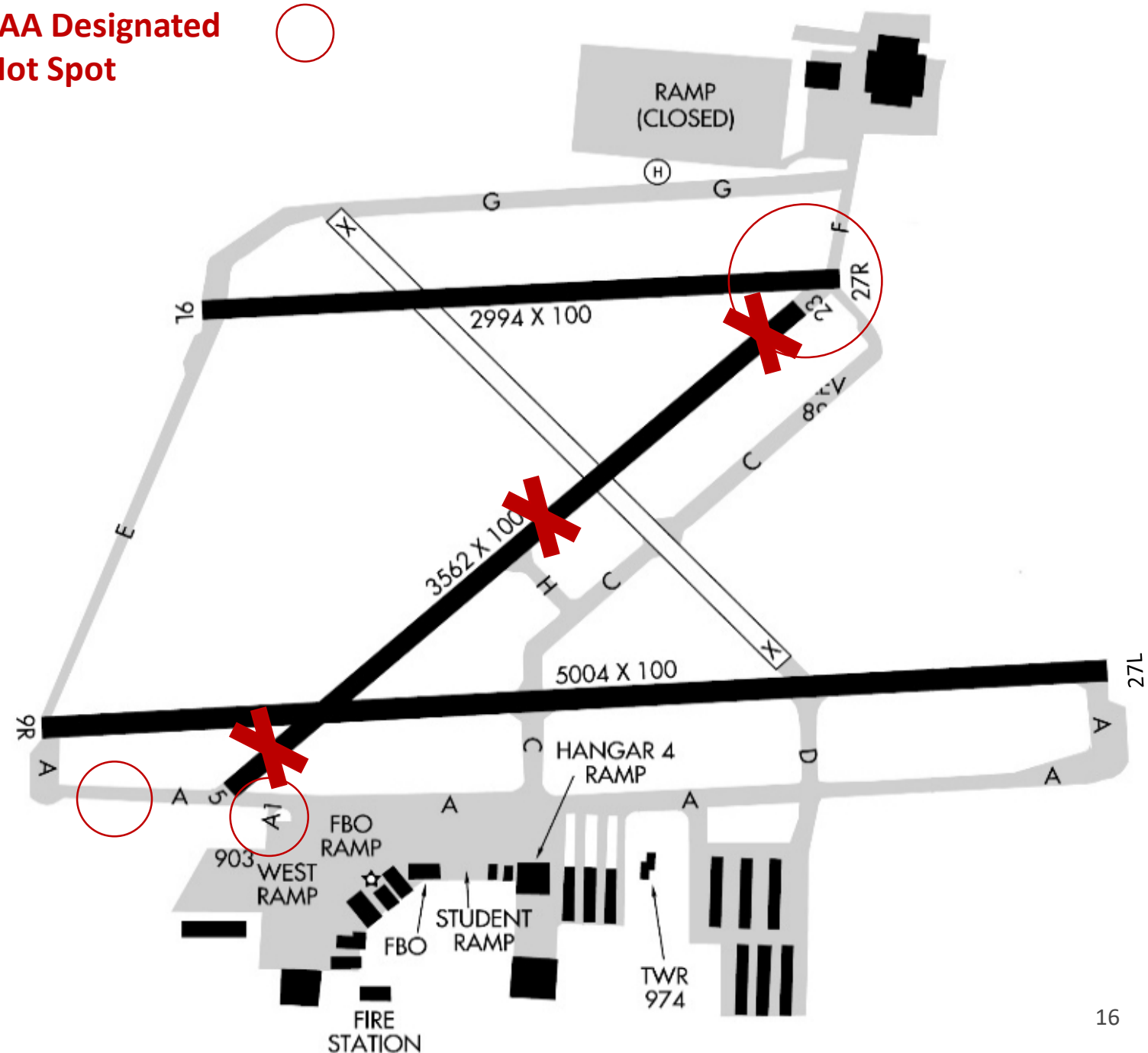


# Taxiways

Runway	Use
Primary:	
09R	24%
27R	14%
Secondary:	
09L	7%
27L	50%
Crosswind:	
5	1%
23	3%

Source: CHM radar sample of 40% of operations

## FAA Designated Hot Spot







# Additional Facility Requirements:

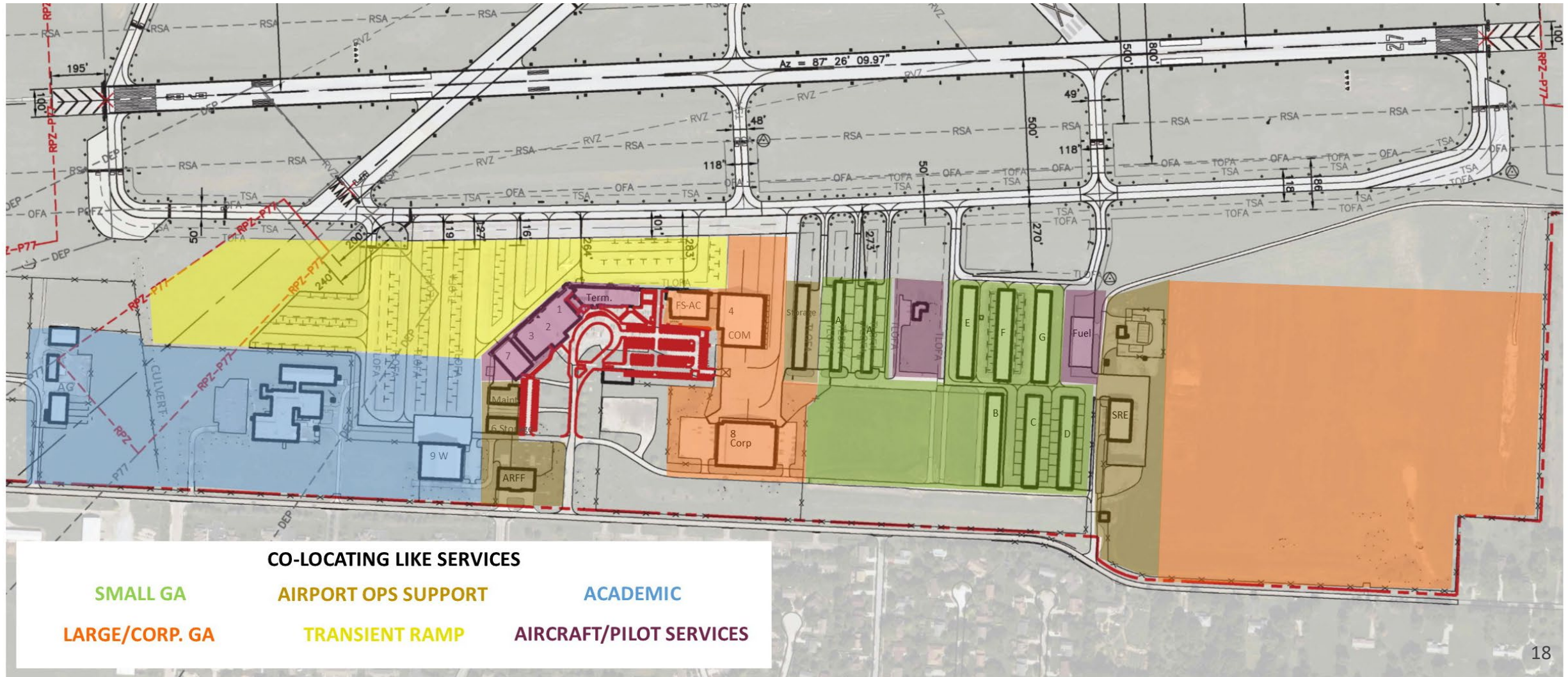
- Airfield Marking and Lighting (update to LED)
- Aircraft Hangars and Aprons
- Access and Auto Parking
- Security, Storage, Maintenance
- Self-fueling and Deicing Services
- Compass calibration pad
- U.S. Customs Service
- Completed perimeter road within fence
- Aviation academic and research support center







## Existing Land Uses







# PUBLIC AND STAKEHOLDER INPUT







## Public Input

- University Stakeholder meeting: January 2019
- Brief Dublin City Council: Jan/Feb 2019
- Brief Worthington City Council: Jan/Feb 2019
- Brief Northwest Civic Association: Jan/Feb 2019
- Brief Village of Riverlea: Jan/Feb 2019
- Public meeting/Airport Terminal Open House: February/March 2019
- TAC meeting: March 2019







## Next Steps

- Finalize plan document: Spring 2019
- FAA comments: TBD
- University BOT review & adoption: TBD
- FAA acceptance: TBD







**THE OHIO STATE UNIVERSITY**

AIRPORT

**THANK YOU**

*[osuairport.org/airport-facilities/master-plan](https://osuairport.org/airport-facilities/master-plan)*

