



THE OHIO STATE UNIVERSITY

AIRPORT

PUBLIC MEETING 2

Airport Master Plan Update

March 2019





MASTER PLAN MISSION:

How do we modernize the airport to enhance the student experience, aerospace research & the central Ohio region?





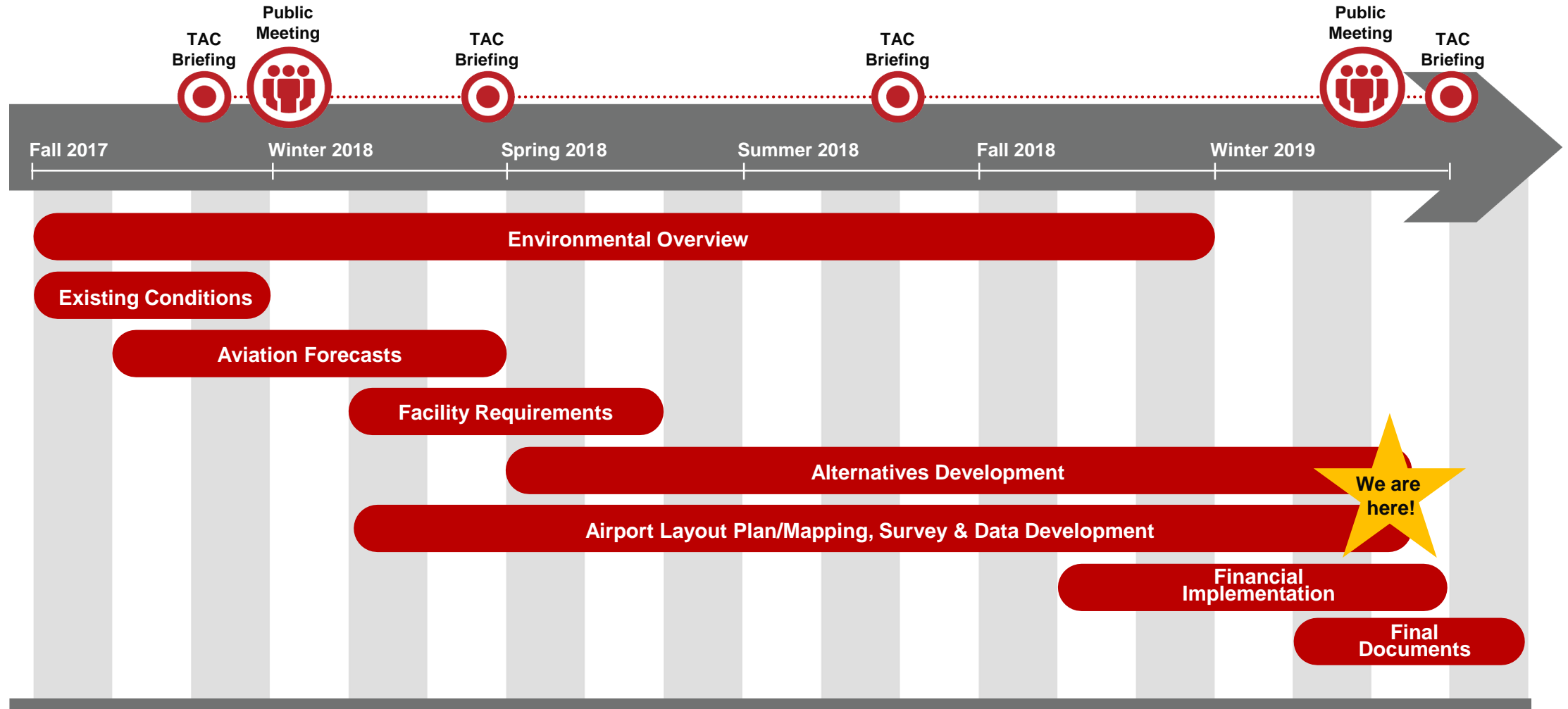
- **Ensure safety and security**
- **Meet customer needs with quality service**
- Focus on all general aviation needs with emphasis on students
- Be mindful of airport impact on neighborhoods
- Maintain FAA Part 139 standards & all airport design requirements
- Be cost effective





Airport Study Area



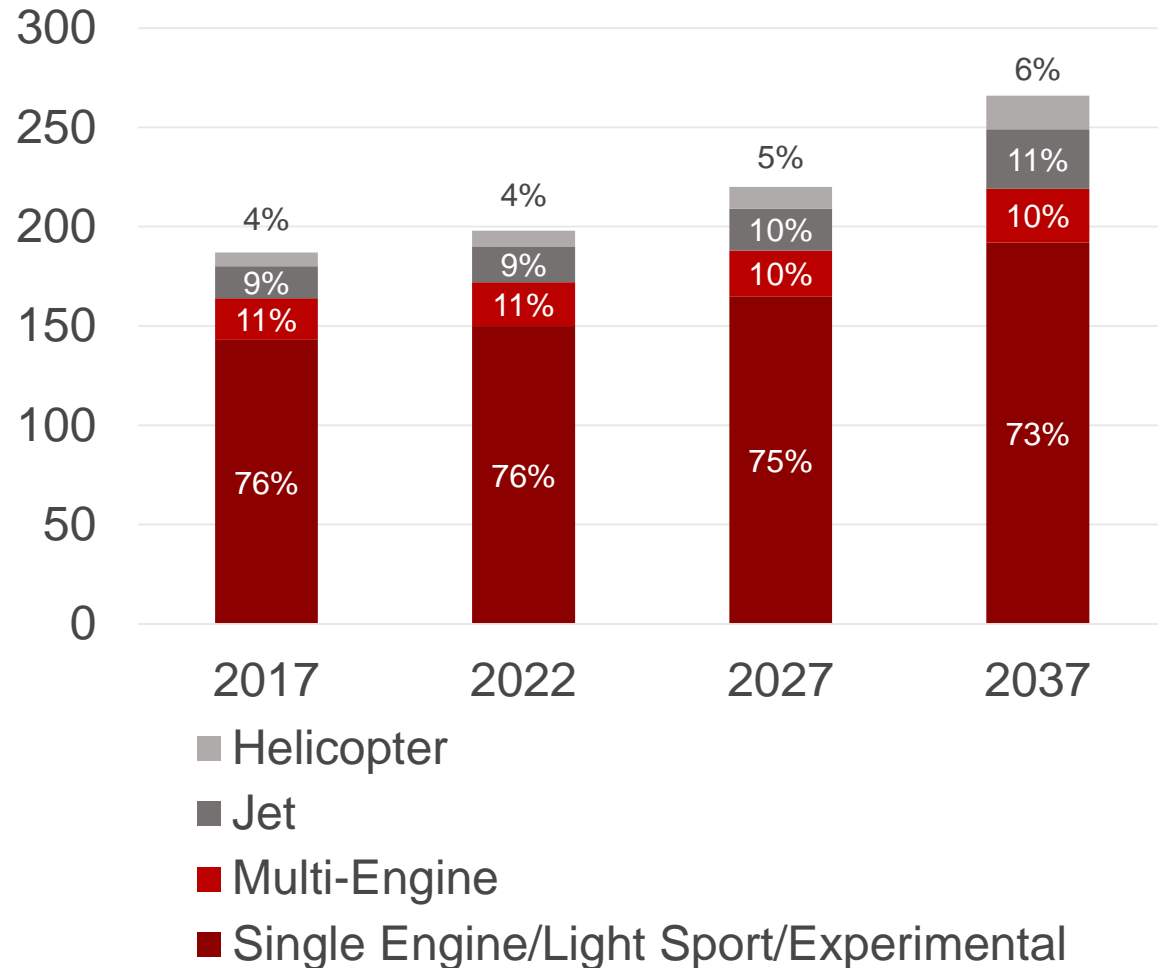


TAC = Technical Advisory Committee

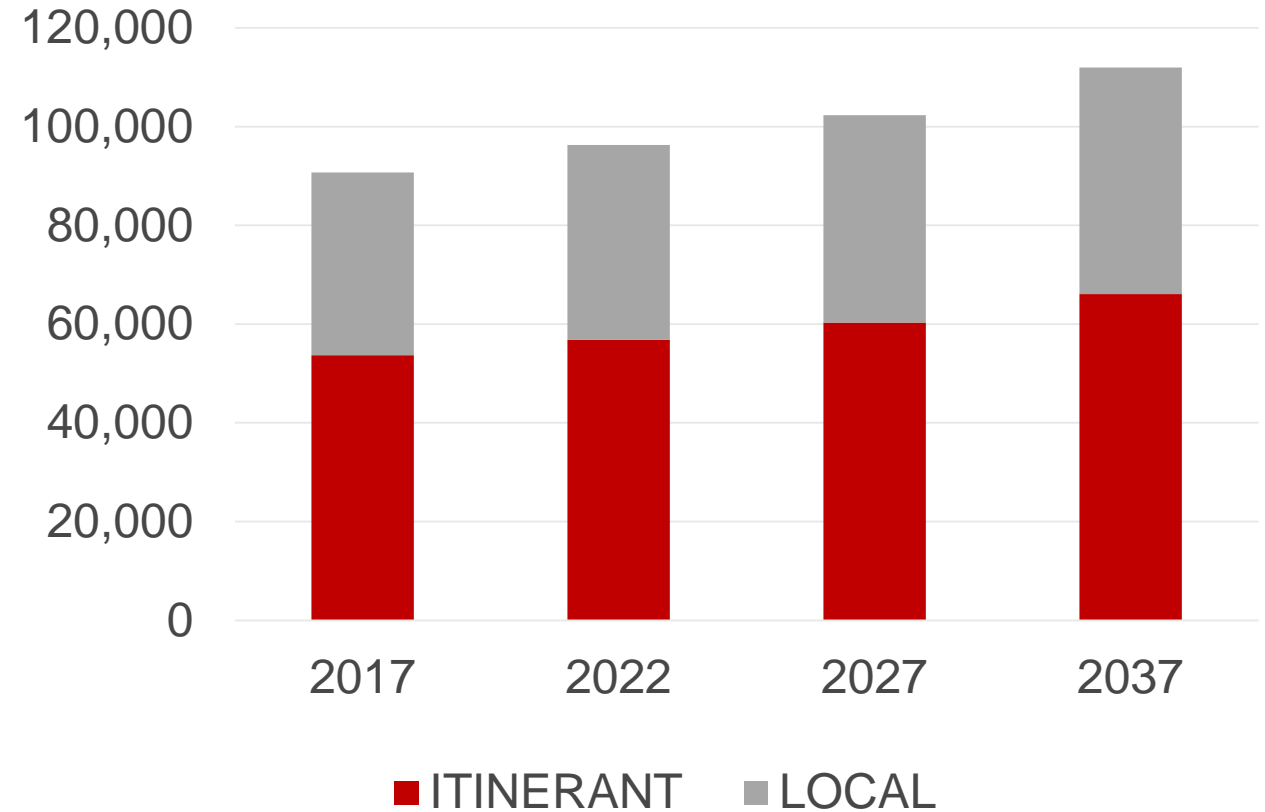


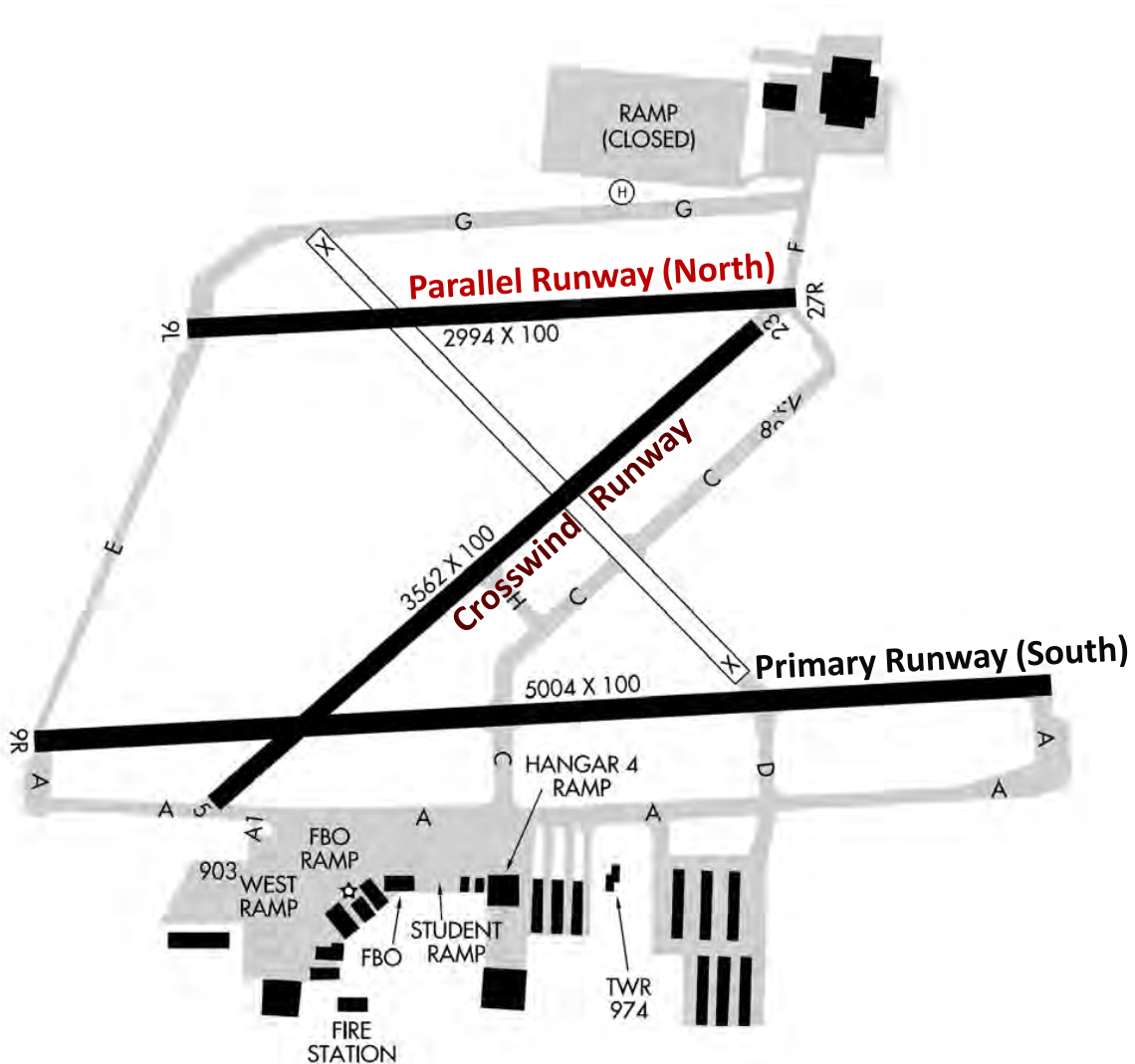


Based Aircraft



Operations





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



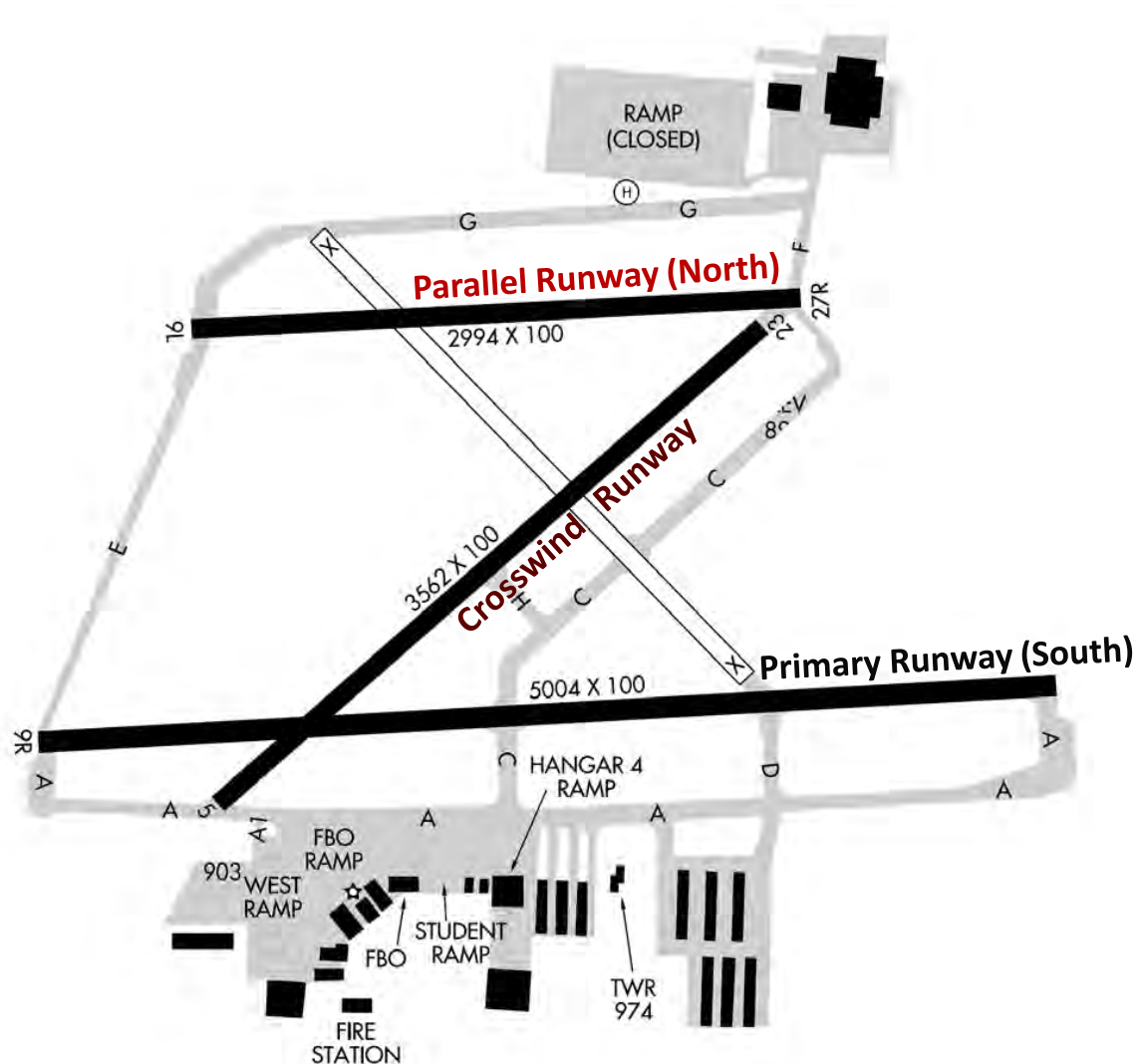
Primary Runway (South)

(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
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100% 10 or more passengers	4,250
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Large Aircraft - 60,000 pounds or less

75% at 60% useful load	5,405
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75% at 90% useful load	7,000
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100% at 60% useful load	5,620
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100% at 90% useful load	8,320
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Source: AC 150/5325-4B, Runway Length Requirements for Airport Design







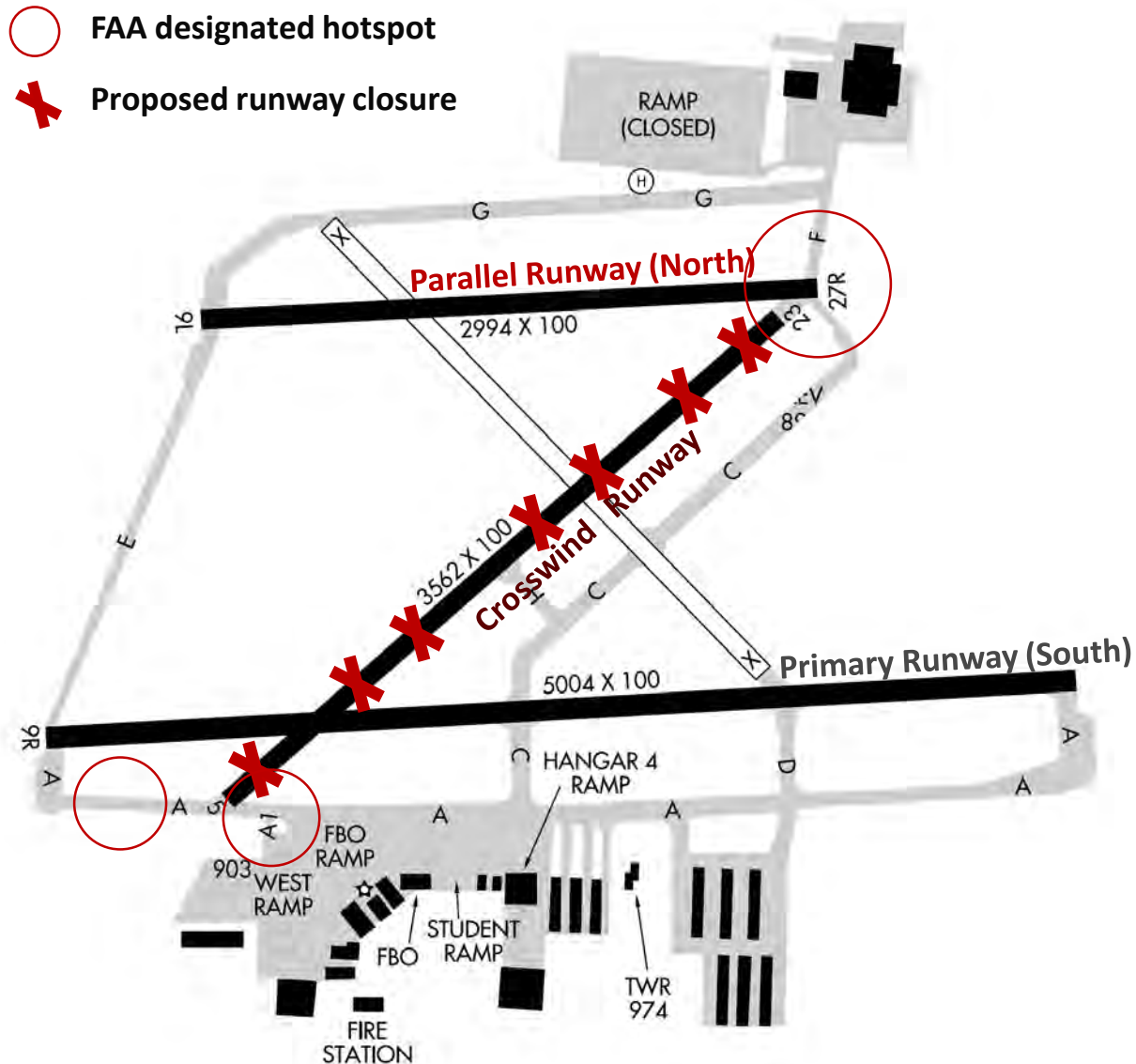
Preferred Runway Alternative



ALTERNATIVE 4

Extend North Runway 1,306 feet east and 1,700 feet west for a total of 6,000 ft.

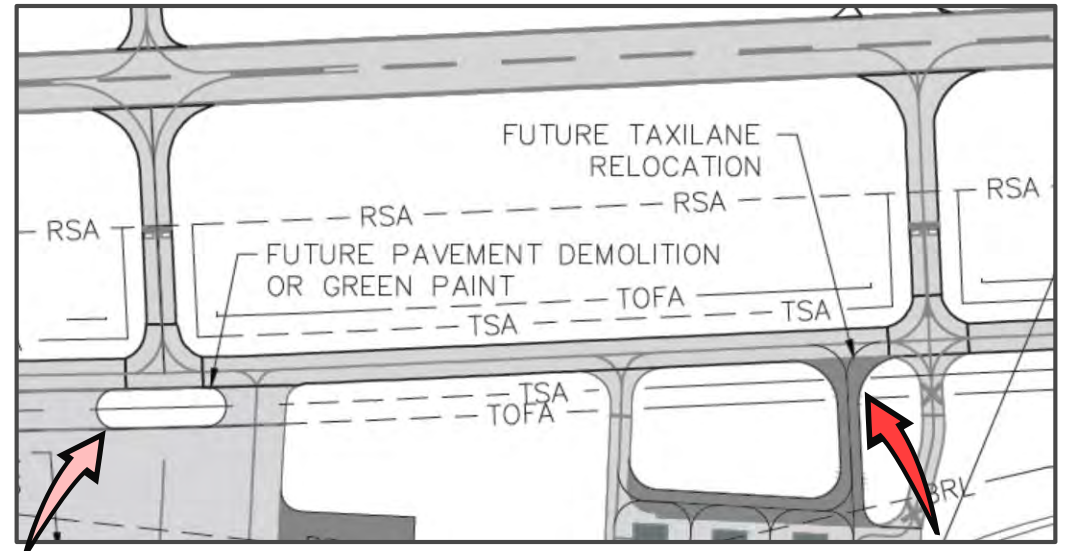
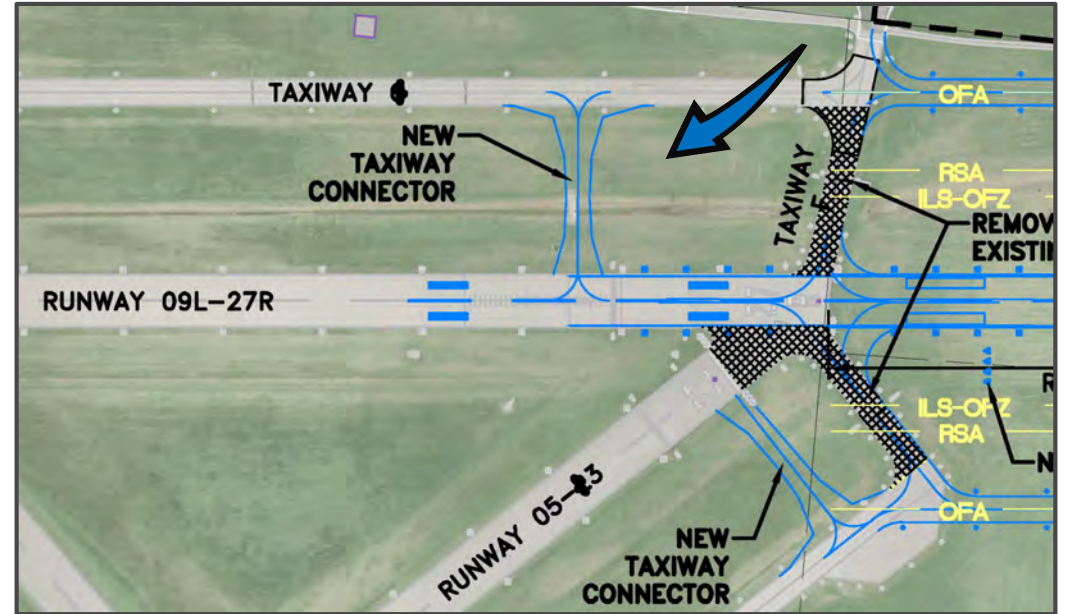
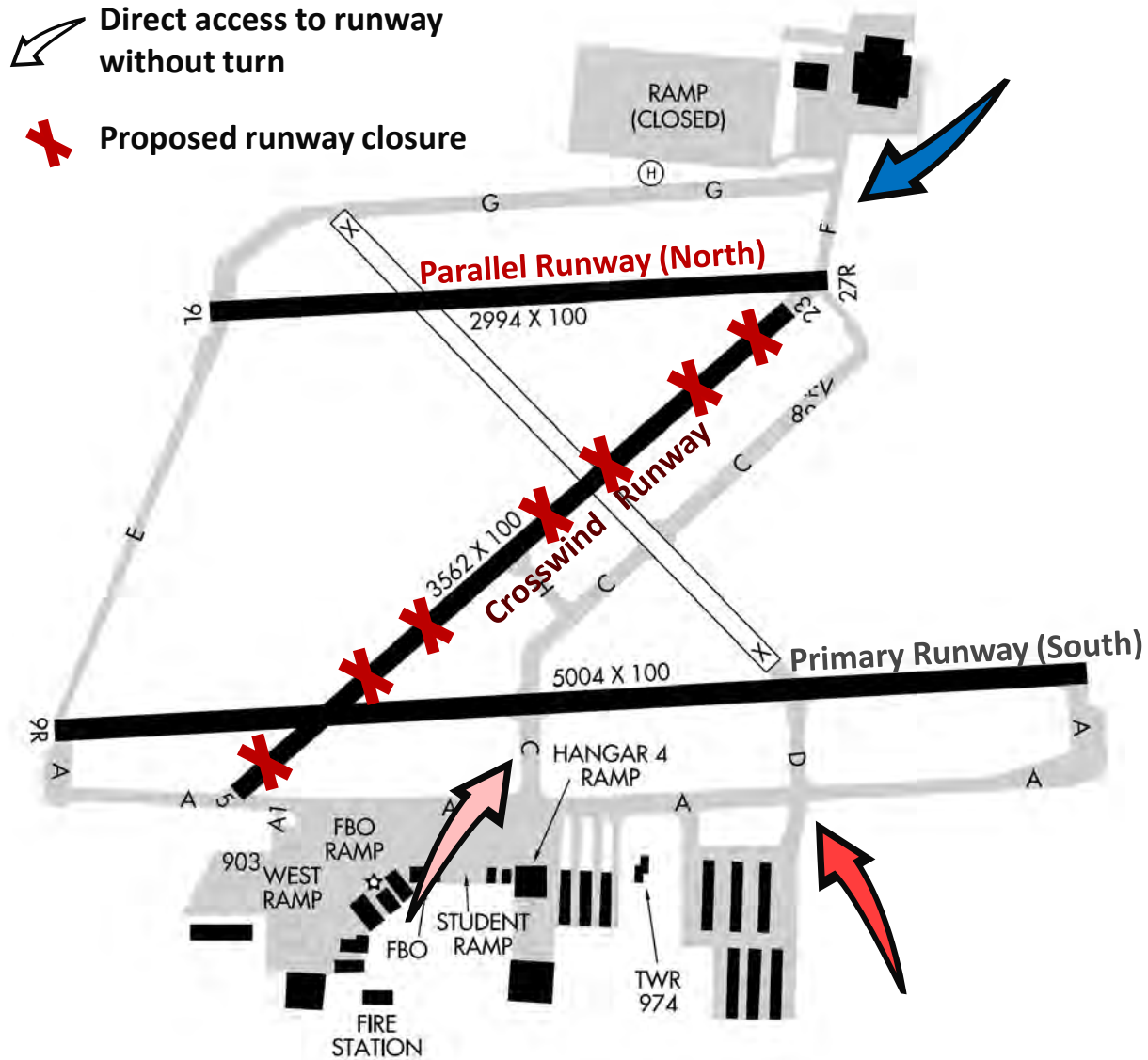
-  OSU Property
-  FAA Boundary



Runway	Current Usage
<i>Primary Runway (South)</i>	
09R	24%
27L	50%
<i>Parallel Runway (North)</i>	
09L	7%
27R	14%
<i>Crosswind Runway</i>	
5	1%
23	3%
Source: CMH radar sample of 40% of operations	



Preferred Taxiway Alternatives

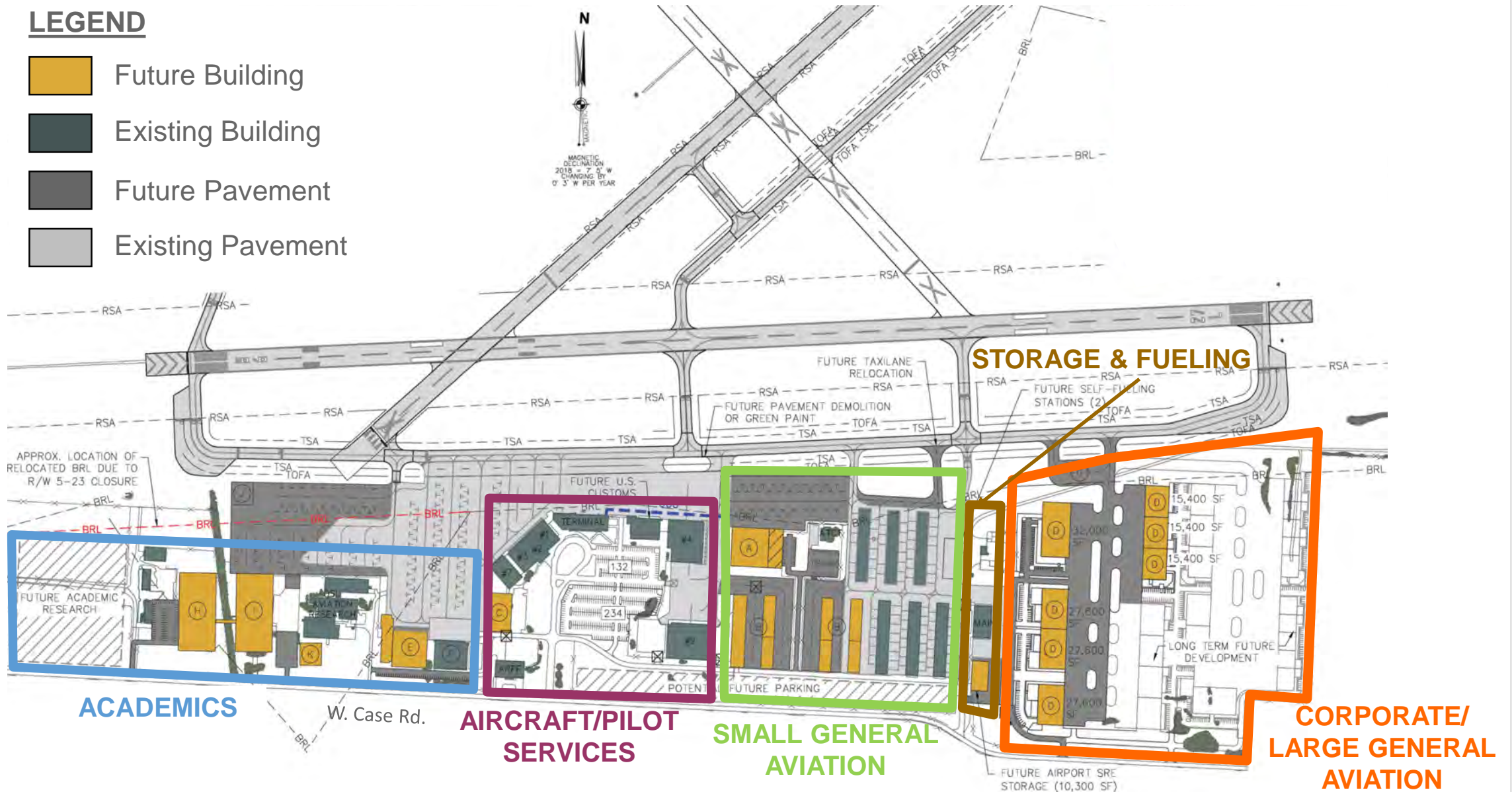




Preferred Terminal Area Alternative

LEGEND

-  Future Building
-  Existing Building
-  Future Pavement
-  Existing Pavement





Potential environmental considerations associated with airport improvements*

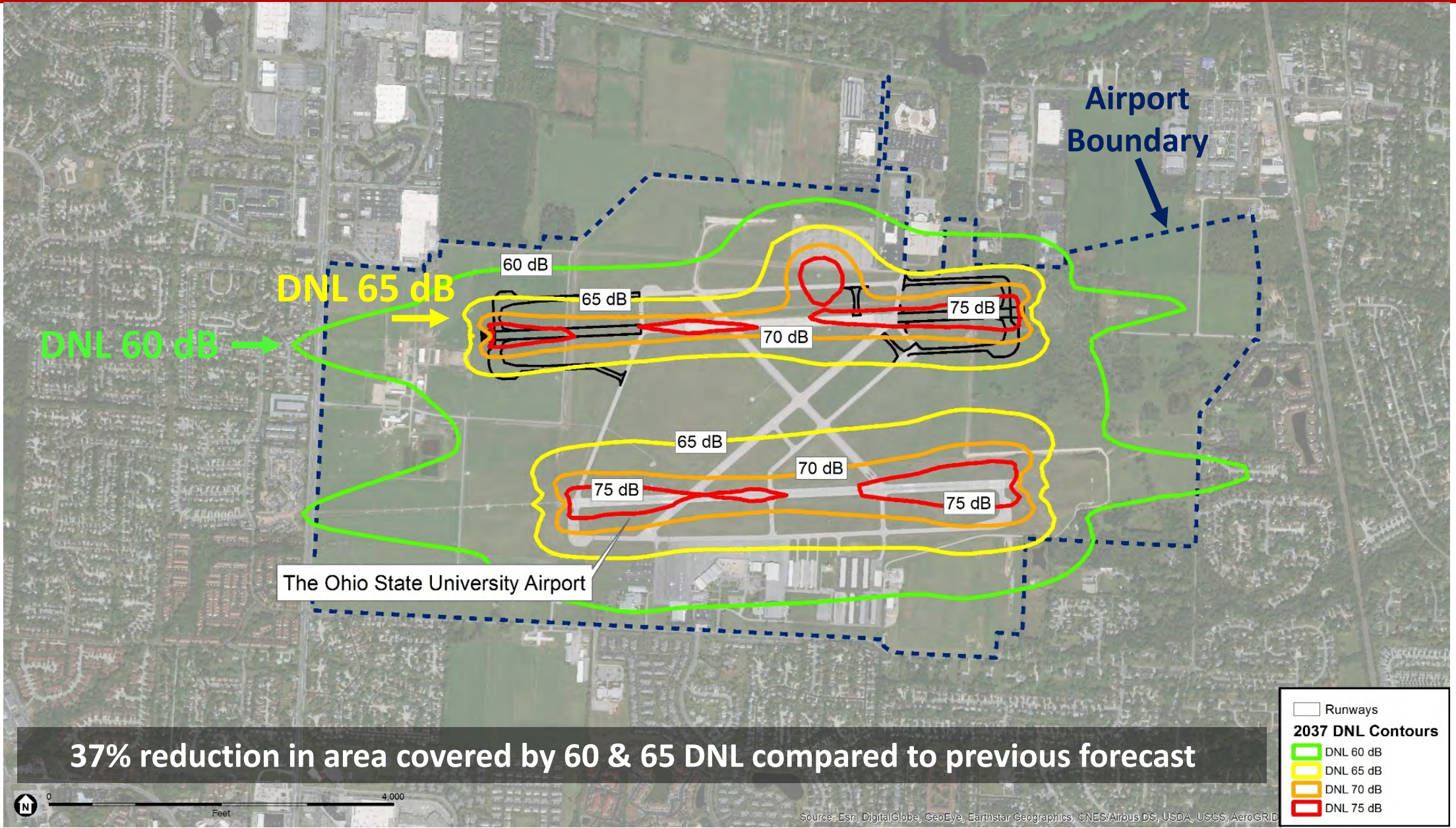
- Water resources
- Historical structures/archaeology
- Noise/social impacts

*Detailed environmental studies will be completed for individual projects as needed, should they move forward





Current Forecast Noise Contours (2037)





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

