The Ohio State University Airport Master Plan Update
Technical Advisory Committee Meeting

Date: Monday, Oct. 30, 2017
Time: 2:00 - 4:00 p.m.
Location:
Ohio State Airport, Aerospace Research Center Classroom
2300 West Case Rd.
Columbus, OH 43235

Meeting Summary

Meeting Purpose
- To review current function, strengths and weaknesses
- To forecast future functions and needs
- To gather input on long-term goals
- To discuss investment priorities for the next 20 years

Meeting Overview
Marie Keister with Engage Public Affairs, the master plan public involvement consultant, opened the meeting and asked everyone to introduce themselves. Doug Hammon, Ohio State Airport Manager, and Kimberly Moss, Senior Campus Planner and the Project Manager for the master plan, provided opening remarks to welcome everyone and thank them for participating. Doug noted that construction of 52 new T-hangers were completed in June, new terminal construction has begun, and the reconstruction and rehabilitation of the North Runway is forthcoming. (This is work on the existing runway, not an extension.)

Marie Keister then explained that Ohio State Airport began updating its master plan fall, 2017 to identify current and future needs and gain consensus on investment priorities for the next 20 years. The master plan will combine community input with the university's strategic vision to formulate the blueprint for the airport's long-term development.

The airport is one of the leading general aviation facilities in the nation.* With less than 30 university airports nationwide, including three owned by tier-1 research institutions, Ohio State Airport is considered one of the nation's premier university-owned and operated facilities. This important teaching and research laboratory supports interdisciplinary learning, discovery and engagement. The airport is also an important contributor to the economic vitality of the central Ohio region by providing key services to Columbus area businesses.

*The Federal Aviation Administration cited Ohio State Airport as one of 84 national priority general aviation airports in its General Aviation Airports: A National Asset, 2012 (www.faa.gov/airports/planning_capacity/ga_study/).

Master Plan Process and Schedule
John Baer with Woolpert, the master plan technical consultant, discussed the study area, research to date and schedule overview. Ohio State Airport has contracted Woolpert to develop the airport's master plan based on community input and data-driven insight.
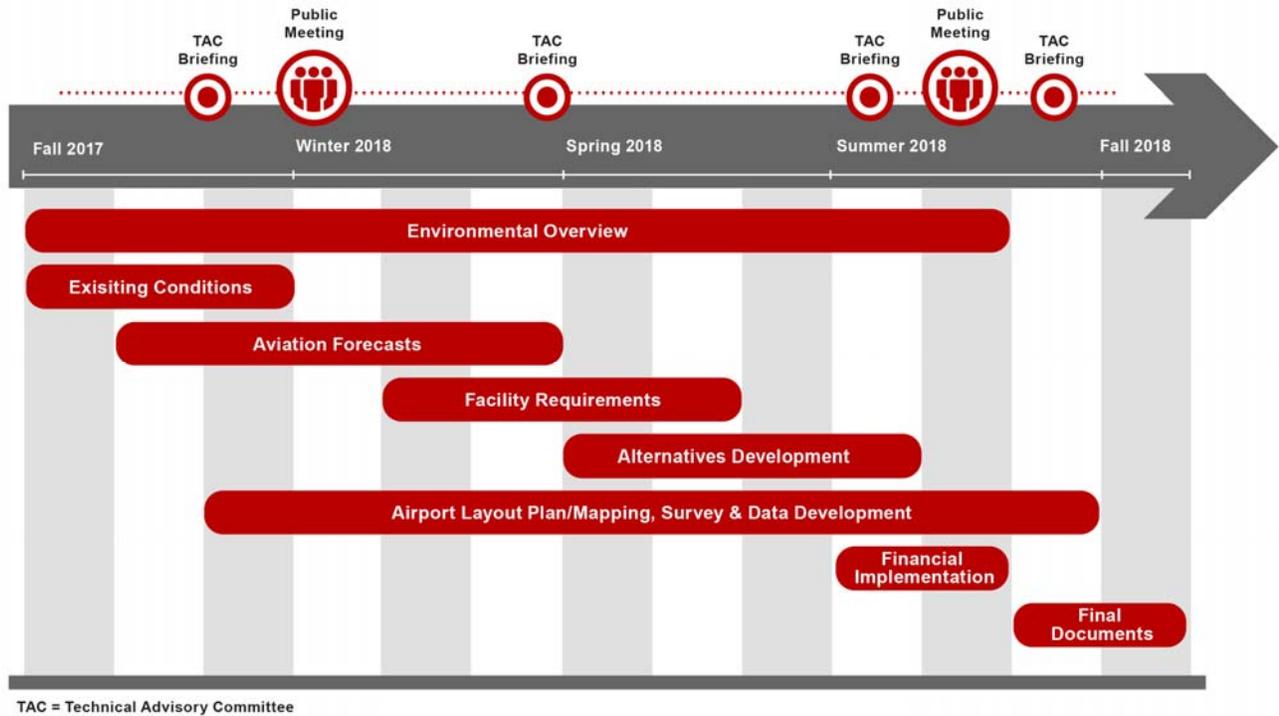
Study Area

Schedule

TAC = Technical Advisory Committee

John explained these master plan development steps and the status of each:

- **Environmental Overview**
  The environmental overview includes research in each of the NEPA environmental review categories (water air, biological, farmland, and archaeological resources, noise, land use, etc.) via public sources and previous studies completed at the airport. All sections are in a final draft stage, except the "Noise and Compatible Land Use" section of the impact categories. This section is dependent upon information gathered from the airport's noise analysis, anticipated to be completed by the end of 2017. Once this information is received and reviewed, the Environmental Overview final draft will be completed.

- **Inventory of Existing Conditions**
  A draft of the Inventory of Existing Conditions has been started. This covers history and current conditions, airport location and role, regional setting/surrounding airports, FAA Airport Improvement Program Grant history, existing airport facilities, instrument approaches and financials. Woolpert is reviewing profit/loss statements and is waiting for verification on which categories to include with the airport's reported operating expenses. Subconsultant BCI will draft the existing airport facilities section of the narrative report. On-site inventory validation and facility condition assessment verification is being conducted.

- **Aviation Forecasts**
  An aircraft list was pulled from the FAA's National Based Aircraft Inventory (NBAI) Program and Ohio State Airport provided their aircraft report. The next step will be to reconcile these lists and then use that information for the baseline of the aviation forecast. The forecast projects future demand, which in turn helps determine facility needs.

- **Facility Requirements**
  Once the aviation forecast is completed, facility requirements can be identified.

- **Alternatives Development & Evaluation**
  Once the aviation forecast is completed, alternatives can be developed to address identified technical and stakeholder needs as well as other public input. A **user survey has been** developed to identify needs and preferences, which in turn will inform the development of the master plan. It has been distributed by Ohio State Airport and posted to https://airport.engineering.osu.edu/airport-facilities/master-plan. This link was circulated to the TAC following the meeting. The survey will end December 31, 2017. TAC members were encouraged to distribute the link to anyone who might use the airport.

- **Airport Layout Plan (ALP) Set**
  The Airport Layout Plan, or ALP, is the airport's official record drawing, which documents and graphically illustrates the airport's existing conditions and its potential 20-year capital developments. It provides the basis for justifying aeronautical facilities in addition to other programmed and recommended project improvements identified by the airport sponsor or FAA. Once base mapping is completed in the next month or two, the ALP existing sheets can begin being produced. Once the alternatives are developed, the remaining ALP sheets can be finalized.

- **ALP/GIS Imagery Acquisition, Mapping, Survey & Data Development**
  Imagery acquisition, field survey and AGIS setup have all been completed. Woolpert is continuing to work on aero-triangulation, obstruction analysis, compilation, cartography, orthoimagery, 18B compliant mapping and safety critical deliverables, and plans and reports.

- **Facilities Implementation & Financial Feasibility Analysis**
  Once preferred alternatives are selected and evaluated, an implementation plan and feasibility analysis will be prepared and included in the final master plan document.
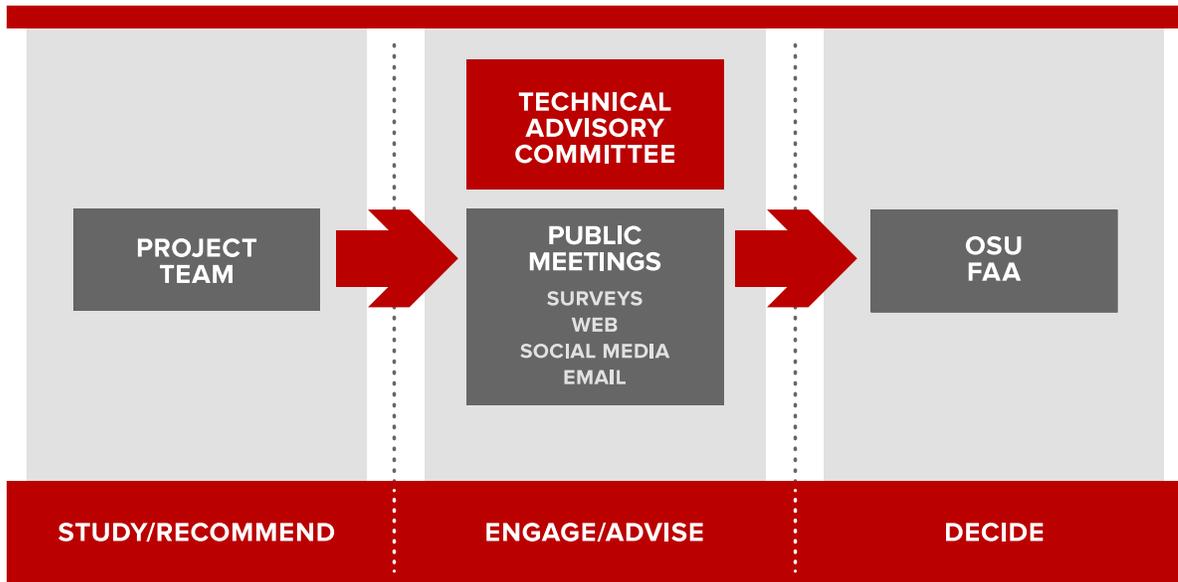
Public Involvement Program
Marie reviewed the public involvement program, highlighting the TAC role and decision framework. TAC members are being invited to provide advisory input, provide technical or community information as needed, alert the airport to issues and opportunities, help vet information before public meetings are held to ensure it is easy to understand, share the public meeting PDF flier and other notification materials through their channels, share the user survey and attend public meetings.

DECISION FRAMEWORK

The public involvement program also includes the website, user survey, two public meetings and small group briefings and stakeholder meetings. She reinforced that public input is an important part of updating the master plan and the TAC will be asked to encourage stakeholders and community members to participate in the process and upcoming meetings. Following the TAC meeting Marie forwarded an electronic version of the public meeting invitation. Additional notification tools such as social media imagery, paid newspaper advertisements and an e-blast will be used to promote the meetings. These materials will be shared with the TAC as they are developed.

The public meetings will be held:

December 5, 2017 and July 17, 2018
6:00 - 8:00 p.m.; presentation at 6:30 p.m.
Ohio State Airport, Hangar 1, 2160 West Case Road Columbus, OH 43235

Discussion Exercise
Marie conducted a discussion exercise with TAC members to identify current strengths and weaknesses of the airport, goals for a 20-year vision and what success will look like at the outcome of the master plan process. TAC members were asked to provide their thoughts on each of these questions on post-it notes, which were then posted at the front of the room and discussed as a group. Below is a summary of that discussion.

What are Ohio State Airport's Strengths?	
Topic	**Specific Strength Identified by Council Members**
Location	- Physical location - Proximity to OSU campus - Proximity to business headquarters - Convenient urban location to travel to for business
Accessibility	- Easy access - Adequate transient and parking - Efficient traffic management
Acreage	- Lots of land - Open space - Room to grow/expand - Ample space for multiple operations simultaneously UAV, planes, etc.
Economic Development	- Driver/enabler of economic growth - Serves business aviation community - Alternative to CMH for business - Existing market (strong volume of existing flights) - Number of aircrafts - Range of users
Research & Academic Advancement	- Resource for achieving educational goals - Unique asset among large universities - Industry leader in aviation research - Integrated aviation education, practice, research, corporate interests and local service - Flight school - Access for teaching
University Affiliation	- Part of a great university - Association with OSU (branding) - OSU is known and has a good reputation/brand helping to market/advance the airport - Supports academic mission of the university
Leadership & Staff	- University backed - Increased leadership support from OSU and community - Accommodating and understanding airport management - Accommodating air traffic control group

What are Ohio State Airport's Strengths?	
Topic	**Specific Strength Identified by Council Members**
Reputation	- National priority - Aviation expertise - Took an active role in advancing NEXT GEN within Ohio and Industry - History
Facility & Services	- Multi-purpose facility - Runway orientation and availability - Runway configuration - Elevation above geometric plane - Two parallel runways separate small aircraft and jets - Air traffic control - Flexibility - Fire department and crash rescue on airport - Well designed for national inter-collegiate competition

What are Ohio State Airport's Weaknesses?	
Topic	**Specific Weakness**
Community Relations	- Close to growing residential areas - Tension with residential neighbors over noise/use - Challenge to maintain positive community relations (e.g. noise) - Adjacent residential (noise impacts) - Surrounding residential land uses (encroachment) - Too close to residential areas - Communication to outside community needs improvement
Community & Government Engagement	- More aviation professionals to engage the community and elected officials - More federal/state legislators to fly in/out of airport - Attract more local support for aviation
Identity	- Identity: business or university? - Persistent question of whether OSU should be in the airport business - Being part of the university - Separation from main campus

What are Ohio State Airport's Weaknesses?	
Topic	**Specific Weakness**
Land Use/Development	▪ Land value could encourage other development uses—housing, businesses, etc. ▪ Underutilized land for hanger space ▪ Lack of development
Business Development	▪ Apparent lack in business development ▪ Accommodate Business (private) travelers and aircraft
Operational Costs	▪ Increasing operational costs ▪ Keeping revenues up and costs down ▪ Revenue diversification
Accessibility	▪ Highway access two lanes on north and south ▪ Lack of highway access ▪ Limited parking ▪ Public vehicle parking
Runways	▪ Runway length ▪ Short runways do not support customers
Hangers	▪ Hanger space limited ▪ Develop ramp, space, t-hangers, community hangers
Facilities & Services	▪ Dated, deteriorating infrastructure, facilities, appearance ▪ Aging equipment and buildings ▪ Can't support largest jets ▪ Lack of helipads ▪ Aircraft parking ▪ Design constraints ▪ Instrument approaches ▪ Air space limitations/constraints ▪ Lack of rural access (flight path) for training flights ▪ Common areas for public use and engagement
Leadership & Staff	▪ Limited staff ▪ University leadership: lack of aviation understanding ▪ Lack of/inconsistent university leadership support

What Does Success Look Like (The Process)?	
Topic	**Specific Success**
Consensus	▪ Goals of the airport, university and community in harmony ▪ Acceptable level of consensus among stakeholders ▪ Plans all agencies/jurisdictions can accept ▪ New study validates old study findings
Identity	▪ Identification of airport mission ▪ Questions of role/purpose resolved
Reputation	▪ International reputation as a leader in aerospace/aviation research and education ▪ FAA recognized excellence in general aviation training and research ▪ Airport recognized as regional asset ▪ First phase done, now ready to design and implement next "best in world" iteration ▪ Leader in aviation academic programs
Research & Academic Advancement	▪ Plans enable teaching research outreach
University Alignment	▪ Plans are embraced by the university ▪ More freedom from university ▪ Fosters alignment with college of engineering and university strategy
Facilities & Services	▪ Consideration of future technologies ▪ Clear sense of future space needs
Community Relations/Support	▪ Transparency ▪ Community engaged and supportive ▪ People feel their ideas/concerns has been heard and considered ▪ Community input applied to planning ▪ Aviation role increased in Ohio government
Economic Development	▪ Sustained growth ▪ Economic support ▪ Economic development leverage for central Ohio ▪ Corporations are on a waiting list for space ▪ Job creation and economic growth
Operational Costs	▪ FAA conclude it will pay for 90% of the cost of extending the north runway ▪ Plans are financially attainable

What Does Success Look Like (The Process)?	
Topic	**Specific Success**
	▪ Sustainable Plan ▪ Financially self-sustaining ▪ Companies will pay rent increase to stay at airport ▪ Mix of traffic and tenants

Goals/Desired Outcomes	
Topic	**Specific Vision**
Reputation	▪ Recognized as global leader in aviation innovation ▪ Continually redefine excellence in aviation ▪ Leader in NEXT GEN implementation ▪ Nexus of academic, corporate, community research excellence ▪ Instrumental in integrating unmanned aviation system (aka drones) with other aviation uses ▪ #1 university airport nationally ▪ The best most innovative collegiate airport in the nation
Research & Academic Advancement	▪ National research center ▪ A centerpiece for community aviation, STEM outreach and education ▪ Increase in flight instruction activities ▪ Serves as a resource for teaching and research ▪ Airport to be more used for academic research and flight training ▪ Flight school doubled ▪ Robust aviation and flight education programs ▪ Expand OSU flight education capabilities to accommodate more students (more aircrafts and simulators) ▪ Cohabited space for CSCC ▪ Presence of a university aviation research and tech park
University Affiliation	▪ Clear articulation of "Why OSU is in the airport business?"

The Ohio State University
AIRPORT

Goals/Desired Outcomes	
Topic	**Specific Vision**
Facilities/Infrastructure & Services	▪ Facility that encourages students to go into aviation ▪ Extended runway and instrument approach ▪ Modern facilities ▪ Larger hangers ▪ More standard airport layout (runway) ▪ Significant increase in airfield operations ▪ Facilities/labs and hangers to better integrate research and operations ▪ Improve the safety and utility of the airport ▪ World class fixed base operation ▪ State of the art aviation teaching and research facility ▪ High speed internet access*
Accessibility	▪ W. Case Rd improvements ▪ Rt 161 four lanes and railroad crossing fix
Community Relations/Support	▪ Meet the needs of aviation stakeholders ▪ Opportunities for public use beyond aviation (e.g. open space) ▪ Incorporate amenities for neighbors (trails, open space the can use) ▪ Better coordination with neighbor jurisdictions ▪ Increase partnerships with surrounding communities ▪ Public engagement in outreach using airport ▪ Evolve to meet needs without negative impacts to adjacent neighbors ▪ Aviation education center for the general public
Economic/Business Development	▪ Airport have community involvement for businesses ▪ Airport support business planes and travelers ▪ #1 airport in Ohio for overall operations and business opportunities ▪ Gateway for corporations to central Ohio ▪ Hub for private and business aviation for the region ▪ Recognize economic development benefits ▪ Economic development for central Ohio ▪ More aviation businesses based at airport ▪ More business-based aircraft ▪ Airport support athletics travelers and athletics business ▪ Integrated piece of air travel in configuration with region's other airports ▪ #1 aviation employer for our aviation graduates

Goals/Desired Outcomes	
Topic	**Specific Vision**
Finances	▪ Financially self-sufficient ▪ Traffic operations sustained at 150,000/year
Leadership & Staff	▪ An innovative, efficient, forward thinking and community friendly management structure

*Comment submitted by email after the TAC meeting

Priorities

After this discussion, participants were asked to use dots to indicate their top three priorities for the Goals/Desired Outcomes. Vote totals are shown in parentheses. The top priorities included:

1. Financially self-sustaining (12 votes)

2. Extended runway and instrument approaches (8 votes)

3. Hub for private and business aviation for the region (6 votes)

4. Tie: (5 votes)
   - Centerpiece for community aviation and STEM outreach and education
   - Facilities /labs/hangers to better integrate research, education and operations

5. Tie: (4 votes)
   - National research center
   - Leader in NEXT GEN implementation
   - Nexus of academic, corporate, community, research excellence

6. Tie: (3 votes)
   - Larger hangers
   - Robust aviation and flight education programs
   - Gateway for corporations to central Ohio
   - Economic development for central Ohio

7. Tie: (2 votes)
   - Modern facilities
   - More aviation businesses based at airport
   - Better coordination with neighbor jurisdictions
   - Increased partnership with surrounding communities
   - Evolve to meet needs without negative impacts to adjacent neighbors

8. Tie: (1 votes)
   - Continually redefine excellence in aviation
   - Integrated piece of air travel in conjunction with regions other airports

- Presence of a university aviation research and tech park
- Public engagement in outreach using airport
- Clear articulation of "Why OSU is in the airport business?"
- Recognized as global leader in aviation
- Incorporate amenities for neighbors (trails, open space they can use)

Marie explained that a similar visioning and priority exercise would be conducted with the public on Dec. 5.

At the conclusion of the discussion, TAC members were encouraged to share the user survey, distribute the public meeting notification materials and encourage community members and other interested parties to attend the public meetings.

Meeting Participants
There were 33 participants at the meeting.
TAC Members

Dale Gelter	The Ohio State University Airport
Doug Hammon	The Ohio State University Airport
Carlos Ruiz-Coll	The Ohio State University Airport
Mike Eppley	The Ohio State University Airport FBO
Brandon Mann	The Ohio State University, Flight Education Division
Hannah Higgins	The Ohio State University, Planning & Real Estate
Kimberly Moss	The Ohio State University, Planning & Real Estate
Rudy Buchheit	The Ohio State University, College of Engineering
Jim Gregory	The Ohio State University, College of Engineering
Matt Schutte	The Ohio State University, College of Engineering
Mark Scott	The Ohio State University, College of Engineering
Seth Young	The Ohio State University, College of Engineering/Center for Aviation Studies
Graham Cochran	The Ohio State University, College of Food, Agriculture, Environmental Sciences
Jack Miner	The Ohio State University, Office of Academic Affairs/Worthington resident
Sarah Arnold	Marr Arnold Planning
Tom Baxter	Capital City Aviation
Kevin Wheeler	City of Columbus, Dept. of Development
Robyn Stewart	City of Worthington
Mark Gerko	Columbus State Community College
Deral Carson	Midwest Air Traffic Control Services/FAA
Nick Gill	Mid-Ohio Regional Planning Commission (MORPC)
Richard Smith	National Intercollegiate Flying Association (NIFA)
Bob Tanner	NetJets
John Ehlers	Northwest Civic Association
Lowell Dowler	Worthington Industries

TAC Observers/Back Up Representatives

Mark Kelby	Columbus Regional Airport Authority (CRAA); observed on behalf of Dave Wall
Ross Neice	ODOT – Aviation; Observed on behalf of Dave Dennis
RichardFox	Midwest Air Traffic Control Services/FAA; attended with Deral Carson

Consultant Team:

John Baer	Woolpert
Greg Shuttleworth	Woolpert
Nick Hoffman	Engage Public Affairs / MurphyEpson
Marie Keister	Engage Public Affairs / MurphyEpson
Jeanna Packard	Engage Public Affairs / MurphyEpson

This Oct. 30, 2017 TAC meeting summary and presentation will be posted on the airport's website: https://airport.engineering.osu.edu/airport-facilities/master-plan.