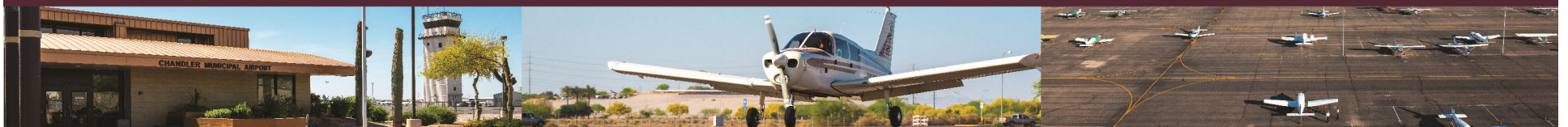


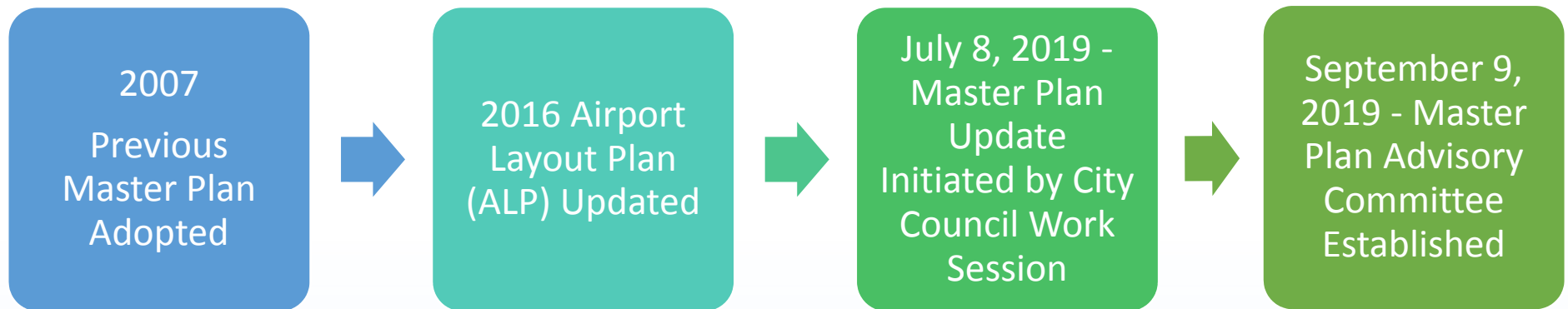
Airport Master Plan





BACKGROUND





Planning Advisory Committee

The committee is comprised of twenty-three community stakeholders. The responsibilities of the committee are to provide guidance to staff and consultants through the process of updating the Airport Master Plan and deliver its findings and recommendations to the Chandler Airport Commission, which shall in turn make a final recommendation for adoption to the City Council.

What is a Master Plan?

What an Airport Master Plan is:

- ✈ A comprehensive, long-range study of the airport and all air and landside components that describes plans to meet FAA safety standards and future aviation demand.
- ✈ Required by the FAA to be conducted every 7-10 years to ensure plans are up-to-date and reflect current conditions and FAA regulations. The last Master Plan was completed in 2007.
- ✈ Funded by the FAA through the Airport Improvement Program (AIP), which provides 91.06% of the total project costs. The remaining 8.94% is funded by ADOT – Aeronautics Group and the City of Chandler.
- ✈ A local document that will ultimately be presented for approval from the City of Chandler. The FAA approves only two elements of the Master Plan, the Aviation Demand Forecasts and the Airport Layout Plan (ALP) drawing set.
- ✈ An opportunity for airport stakeholders and the general public to engage with airport staff on issues related to the airport and its current and future operations, and environmental and socioeconomic impacts. Three (3) public information workshops will be conducted throughout the Master Plan process to facilitate this public outreach effort.

What an Airport Master Plan is not:

- ✈ A guarantee that the airport will proceed with any planned projects. Master Plans are guides that help airport staff plan for future airport development; however, the need/demand for certain projects may not ever materialize.
- ✈ A guarantee that the City of Chandler, ADOT, or the FAA will fund any planned projects. Project funding is considered on a project-by-project basis requiring appropriate need and demand. Certain projects may require the completion of a benefit-cost analysis.
- ✈ Environmental clearance for any planned projects. The Master Plan includes an environmental overview that identifies potential environmental sensitivities per the National Environmental Policy Act of 1969 (NEPA); however, most planned projects will require a separate NEPA study (Environmental Impact Statement/ Environmental Assessment/Categorical Exclusion) prior to construction.

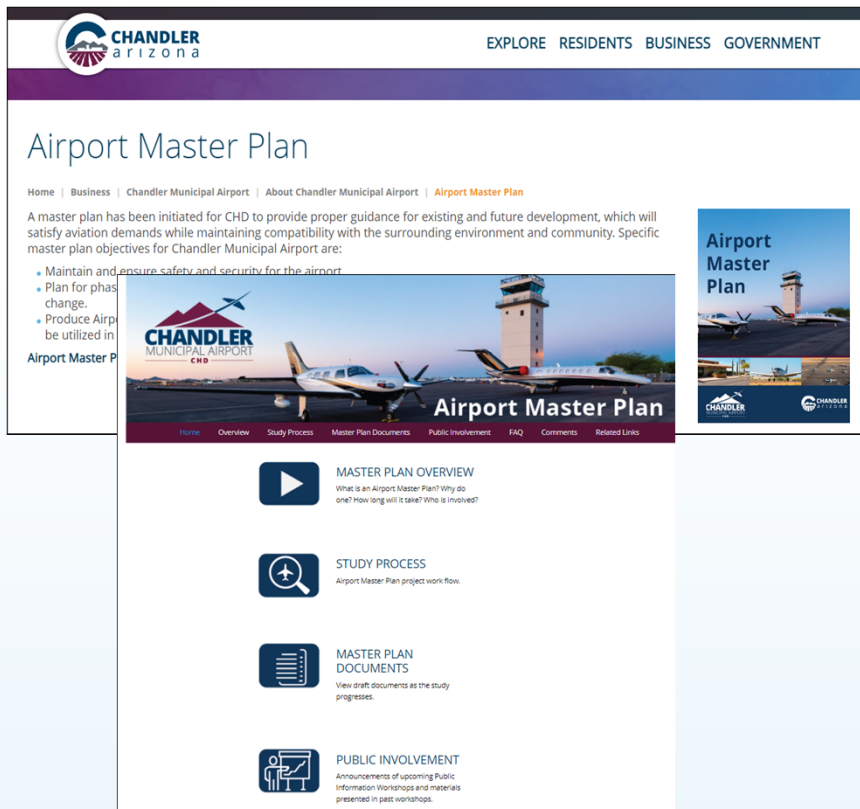


PUBLIC OUTREACH



PUBLIC OUTREACH

Web Pages



CHANDLER MUNICIPAL AIRPORT CHD

EXPLORE RESIDENTS BUSINESS GOVERNMENT

Airport Master Plan

Home | Business | Chandler Municipal Airport | About Chandler Municipal Airport | **Airport Master Plan**

A master plan has been initiated for CHD to provide proper guidance for existing and future development, which will satisfy aviation demands while maintaining compatibility with the surrounding environment and community. Specific master plan objectives for Chandler Municipal Airport are:

- Maintain and ensure safety and security for the airport.
- Plan for phase change.
- Produce Airport Master Plan to be utilized in future development.

Airport Master Plan

Home Overview Study Process Master Plan Documents Public Involvement FAQ Comments Related Links

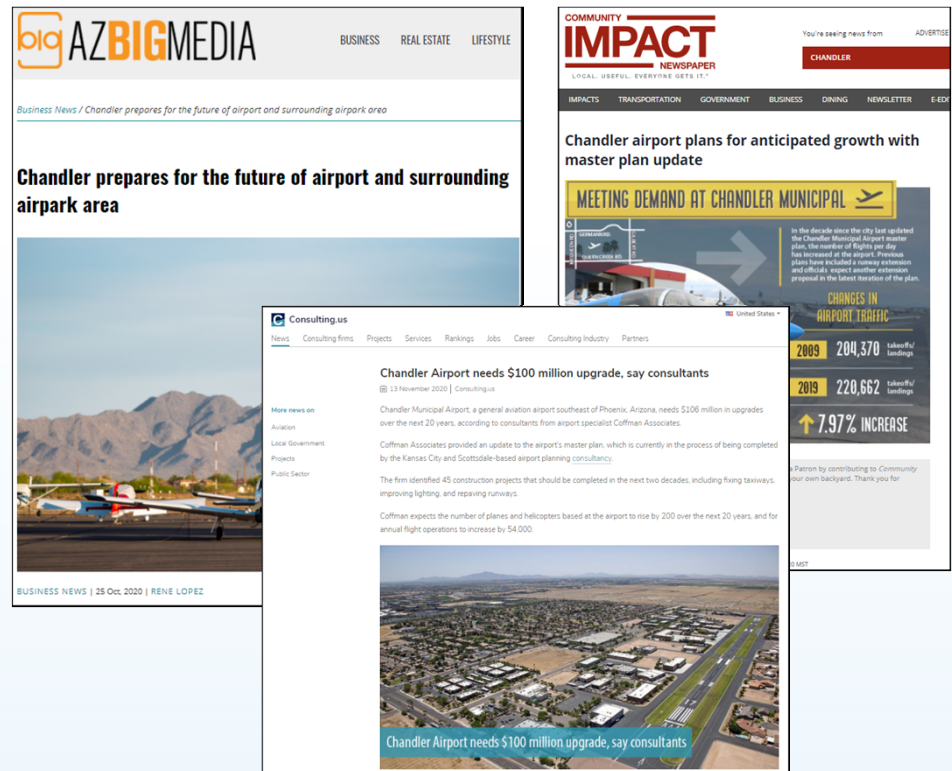
MASTER PLAN OVERVIEW
What is an Airport Master Plan? Why do we need it? How long will it take? Who is involved?

STUDY PROCESS
Airport Master Plan project work flow.

MASTER PLAN DOCUMENTS
View draft documents as the study progresses.

PUBLIC INVOLVEMENT
Announcements of upcoming Public Information Workshops and materials presented in past workshops.

Media Coverage



AZBIGMEDIA BUSINESS REAL ESTATE LIFESTYLE

Business News / Chandler prepares for the future of airport and surrounding airport area

Chandler prepares for the future of airport and surrounding airport area

COMMUNITY IMPACT NEWSPAPER You're seeing news from CHANDLER ADVERTISE

IMPACTS TRANSPORTATION GOVERNMENT BUSINESS DINING NEWSLETTER E-ED

Chandler airport plans for anticipated growth with master plan update

MEETING DEMAND AT CHANDLER MUNICIPAL

In the decade since the city last updated the Chandler Municipal Airport Master Plan, the number of flights per day has increased at the airport. Future plans have included a runway extension and other projects. Airport master plan update proposal in the latest iteration of the plan.

CHANGES IN AIRPORT TRAFFIC

Year	Takeoff/Landings
2009	204,370
2019	220,662
↑ 7.97% INCREASE	

Patron by contributing to Community your own backyard. Thank you for!

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Chandler Airport needs \$100 million upgrade, say consultants

@ 13 November 2020 | Consulting.us

Chandler Municipal Airport, a general aviation airport southeast of Phoenix, Arizona, needs \$106 million in upgrades over the next 20 years, according to consultants from airport specialist Coffman Associates.

Coffman Associates provided an update to the airport's master plan, which is currently in the process of being completed by the Kansas City and Scottsdale-based airport planning consultancy.

The firm identified 45 construction projects that should be completed in the next two decades, including fixing taxiways, improving lighting, and repairing runways.

Coffman expects the number of planes and helicopters based at the airport to rise by 200 over the next 20 years, and for annual flight operations to increase by 54,000.

Chandler Airport needs \$100 million upgrade, say consultants

PUBLIC OUTREACH

PAC Meetings/Workshops

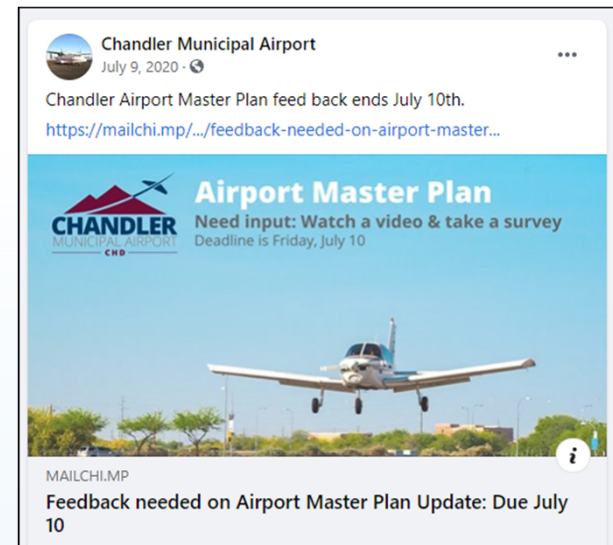
Open House #3 | October 28 | 5pm

Thank you for participating in the Airport Master Plan process. Whether it was sending an email, taking a survey, or attending an open house, we appreciate your time and your feedback.

The City hosted its final Airport Master Plan open house on Wednesday, Oct. 28, from 5–6:30 p.m. This meeting discussed the recommended development concept and proposed capital program.



Social Media



200+ Comments Received

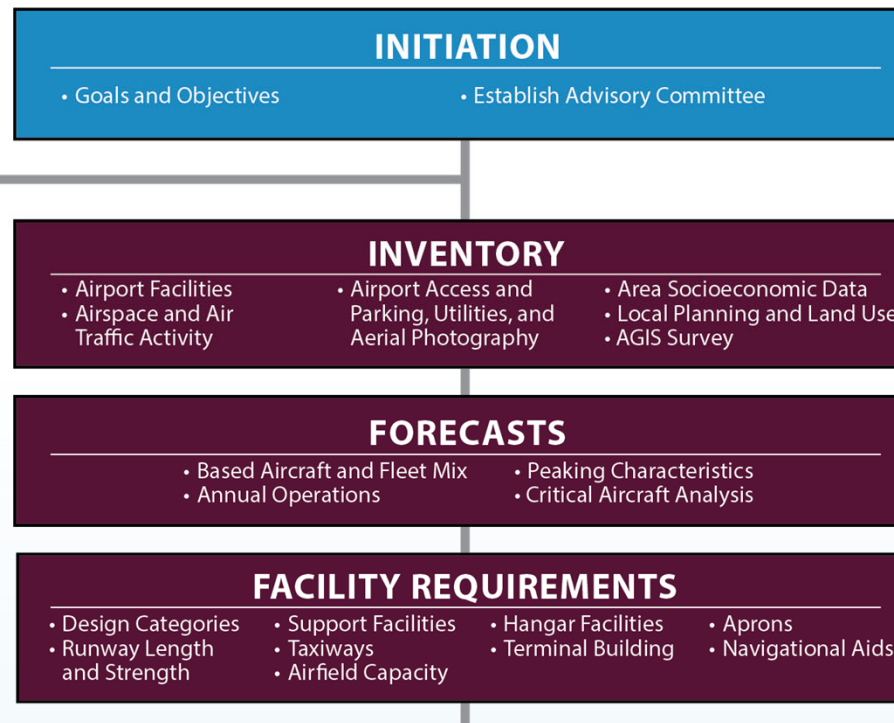


MASTER PLAN PROCESS

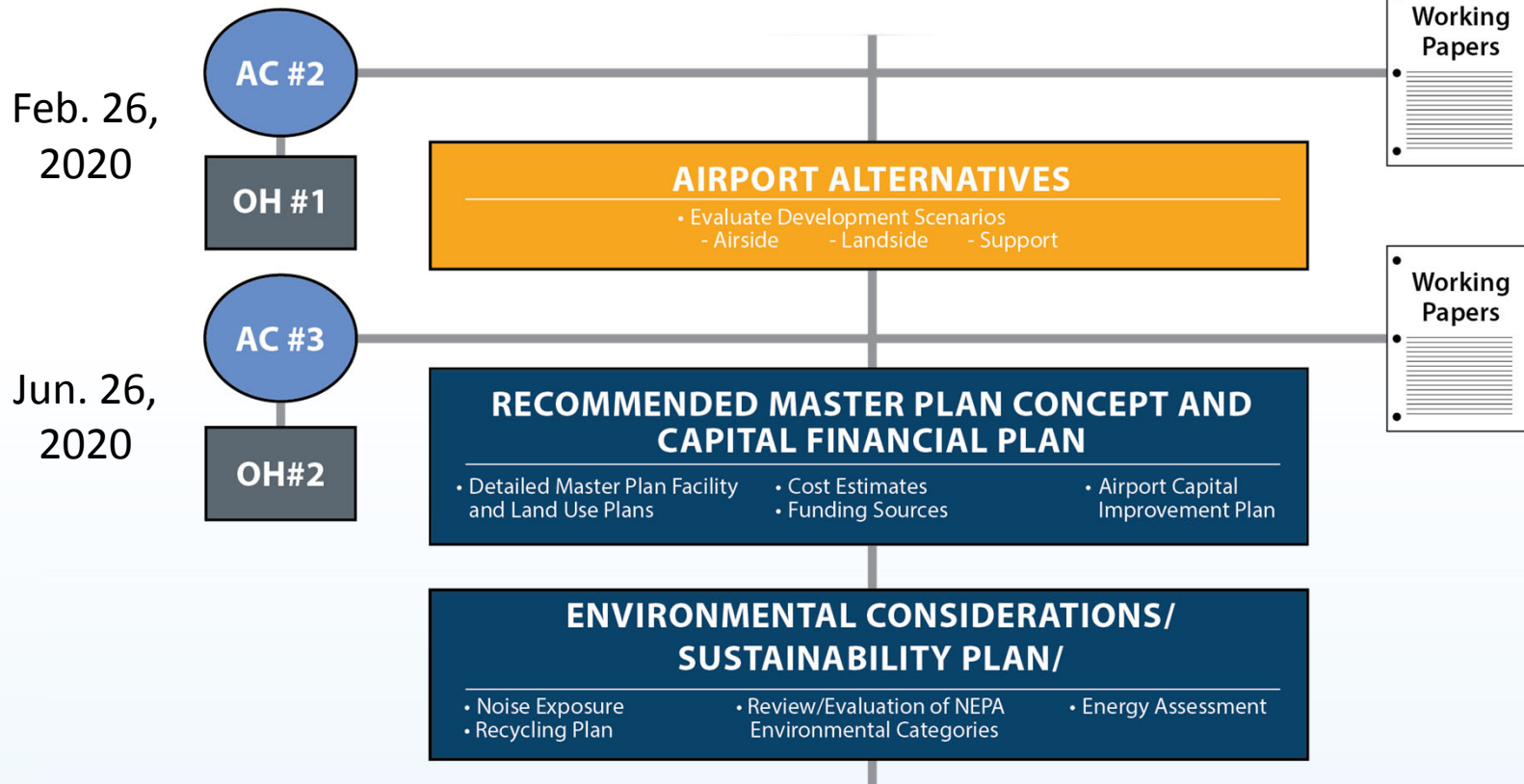


Oct. 24,
2019

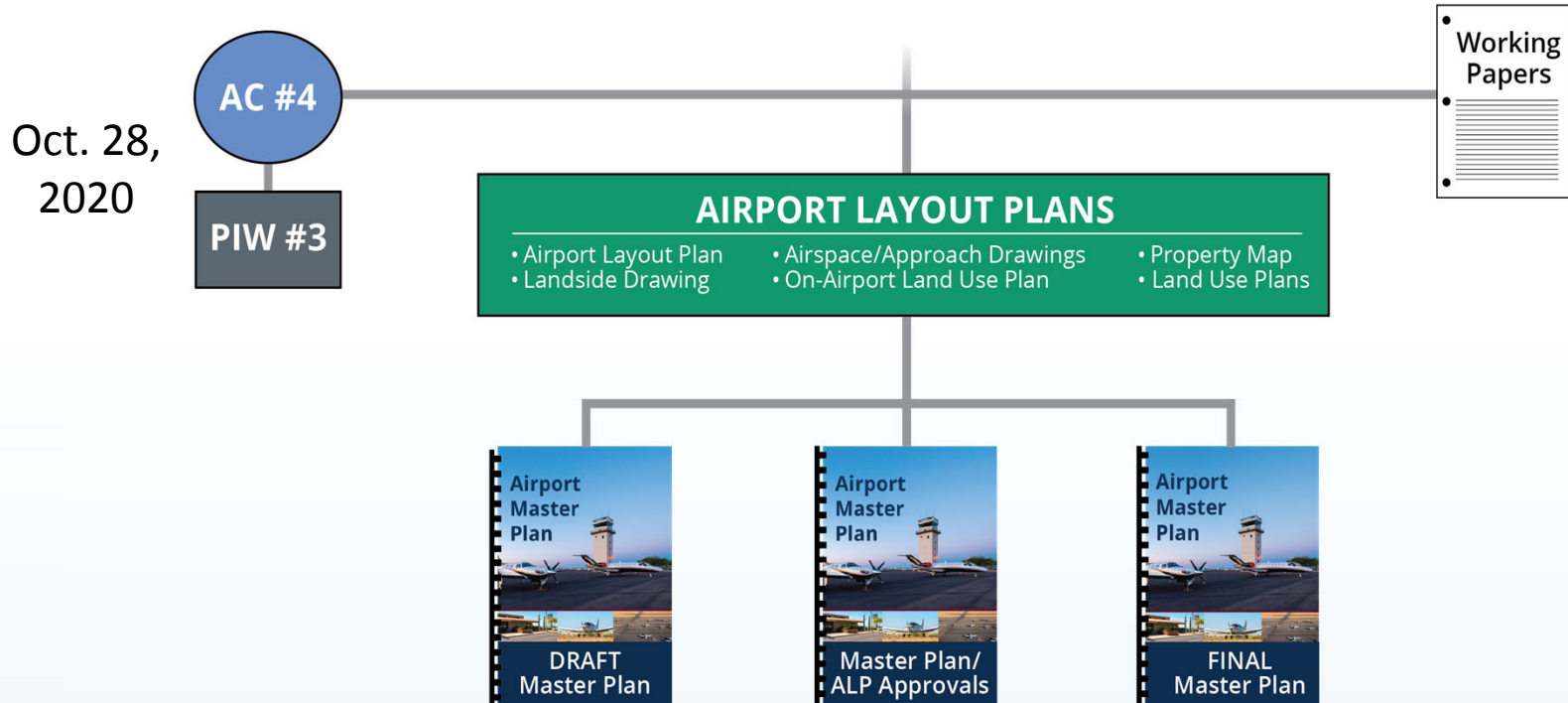
AC #1



AC: Advisory Committee
OH: Open House



AC: Advisory Committee
OH: Open House



AC: Advisory Committee
OH: Open House



MASTER PLAN SUMMARY





Table 6A

AVIATION DEMAND PLANNING HORIZONS

	Base Year (2019)	Short Term (1-5 Years)	Intermediate Term (6-10 Years)	Long Term (11-20 Years)
BASED AIRCRAFT				
Single Engine	379	424	469	552
Multi-Engine	26	24	20	15
Turboprop	6	7	9	13
Jet	8	10	13	20
Helicopter	22	25	29	40
TOTAL BASED AIRCRAFT	441	490	540	640
ANNUAL OPERATIONS				
Itinerant				
Air Taxi	2,990	3,900	4,400	5,100
General Aviation	67,647	72,500	77,300	87,400
Military	199	213	213	213
Total Itinerant	70,836	76,613	81,913	92,713
Local				
General Aviation	149,754	158,300	165,800	181,900
Military	72	62	62	62
Total Local	149,826	158,362	165,862	181,962
TOTAL OPERATIONS	220,662	234,975	247,775	274,675



Table 5A

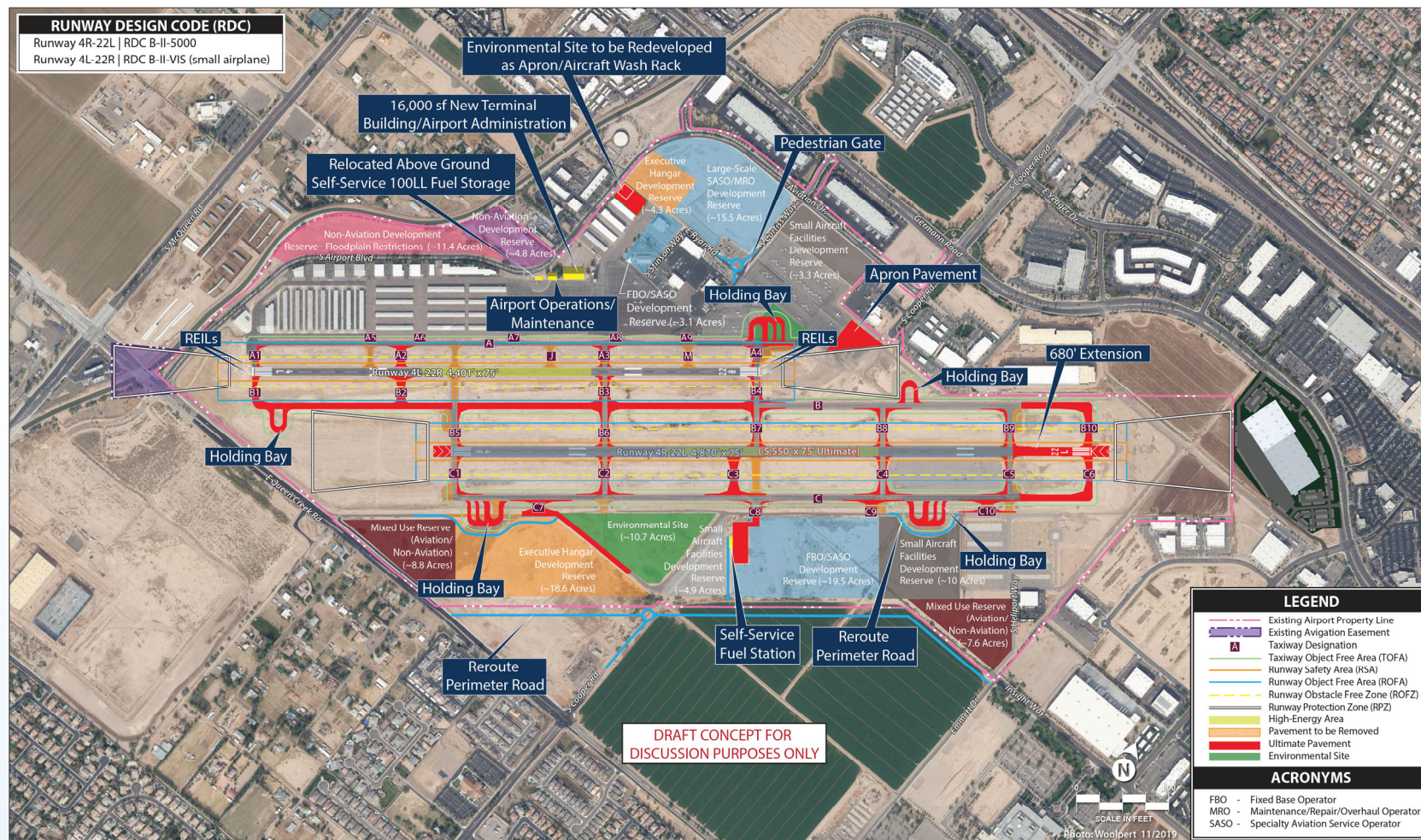
AIRPORT AND RUNWAY CLASSIFICATIONS

	Runway 4R-22L (existing/ultimate)	Runway 4L-22R (existing/ultimate)
Airport Reference Code (ARC)	B-II	B-II (small airplane)
Critical Aircraft (Typ.)	Beechcraft King Air 200/300/350 (existing) Cessna Citation Jet CJ4/Citation X (ultimate)	Beechcraft King Air C/F90
Runway Design Code (RDC)	B-II-5000	B-II-VIS (small airplane)
Approach Reference Code (APRC)	D/IV/5000 and D/V/5000	B/II/VIS
Departure Reference Code (DPRC)	D/IV and D/V	B/II
Taxiway Design Group (TDG)	2	2

Forecasts Approved by FAA on May 5, 2020



AIRPORT DEVELOPMENT CONCEPT



AIRPORT MASTER PLAN



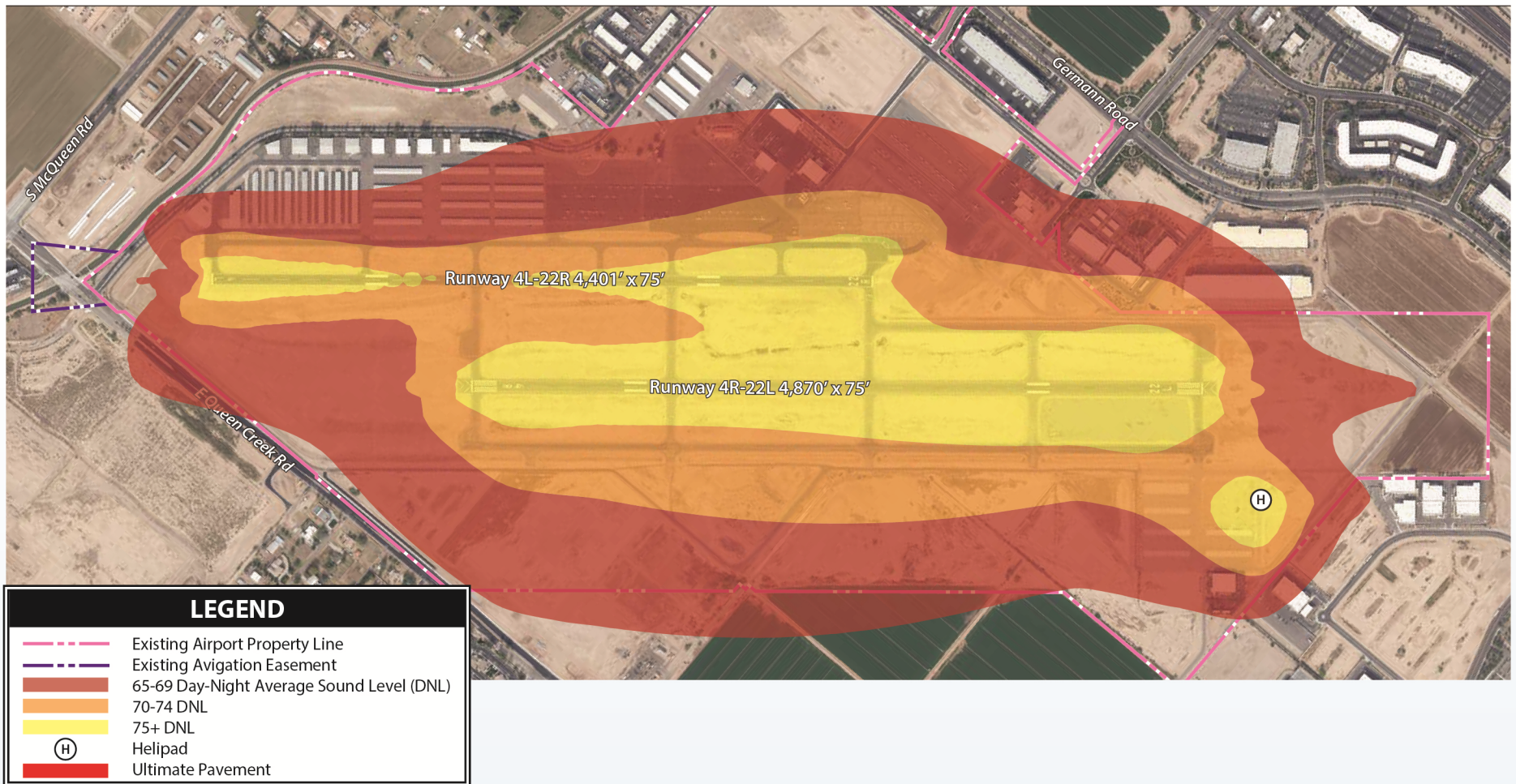
CAPITAL IMPROVEMENT PROGRAM

	Funding Sources			
	Estimated Cost	AIP	ADOT	Airport Sponsor
Short-Term CIP Subtotal	\$21,030,775	\$12,569,012	\$3,404,474	\$5,057,289
Intermediate-Term CIP Subtotal	\$24,408,000	\$20,982,045	\$1,029,997	\$2,395,977
Long-Term CIP Subtotal	\$3,882,000	\$2,351,169	\$115,415	\$1,451,415
Total Master Plan CIP	\$49,320,775	\$35,902,226	\$4,549,867	\$8,868,682

Anticipated Private Funding*	
Short-Term Subtotal	\$0
Intermediate-Term Subtotal	\$25,448,500
Long-Term Subtotal	\$26,103,200
Total Private Funding	\$51,551,700

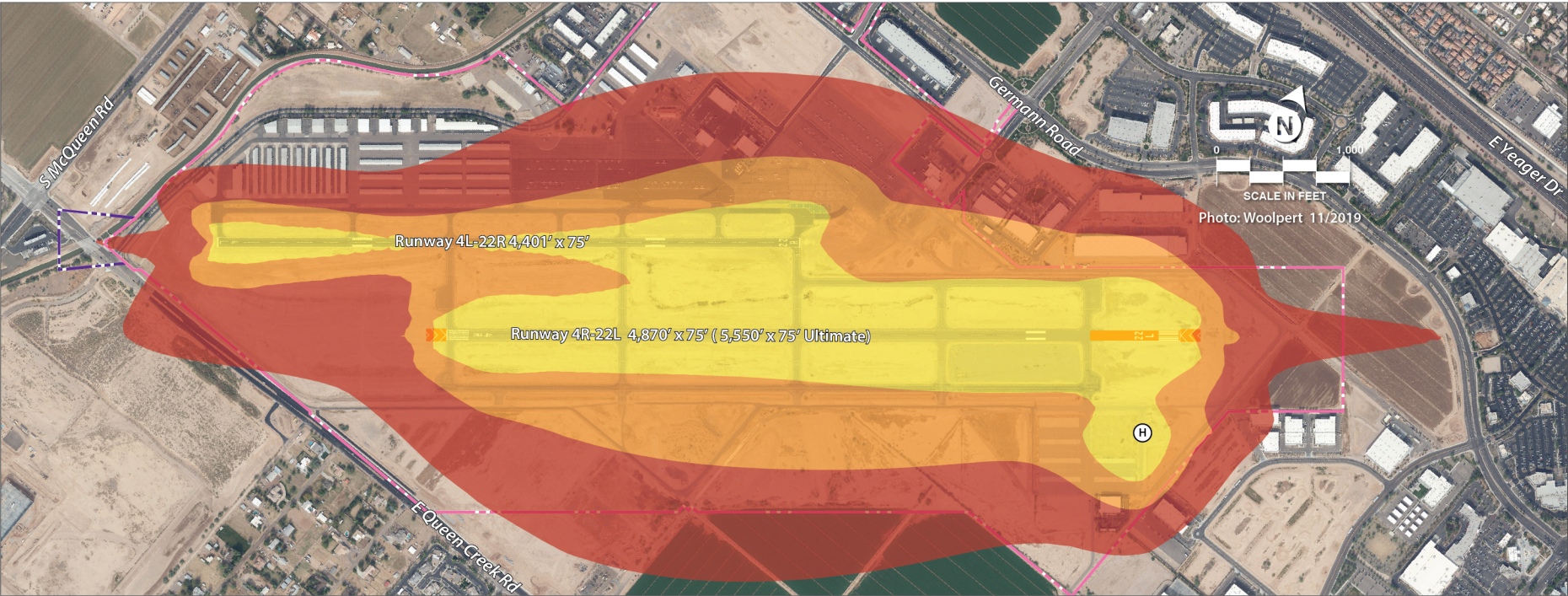
* Includes \$8,000,000 for funding the construction of a new terminal building in the intermediate term.

2019 NOISE CONTOURS





2040 NOISE CONTOURS



LEGEND

- Existing Airport Property Line
- Existing Aviation Easement
- 65-69 Day-Night Average Sound Level (DNL)
- 70-74 DNL
- 75+ DNL
- (H) Helipad
- Ultimate Pavement



NEXT STEPS



REQUESTS

City Council

- Approve the 2021 Airport Master Plan
 - As recommended by the
- Airport Commission on March 17, 2021.

NEXT STEPS

City Council approves the 2021 Airport Master Plan



Submit the draft Airport Layout Plan (ALP) to the **FAA** for lines-of-business (LOB) review



FAA approves ALP; Print final Master Plan report



Execute plan through City's annual budget and grant funding opportunities



Q & A

QUESTIONS AND ANSWERS

