



YUMA INTERNATIONAL AIRPORT

AIRPORT MASTER PLAN EXECUTIVE SUMMARY

YUMA INTERNATIONAL AIRPORT



Yuma International Airport (NYL) is owned and operated by the Yuma County Airport Authority, Inc. (YCAA) and the United States Marine Corps (USMC). The Airport is a joint use facility with both commercial passenger service and military flights in conjunction with USMC Air Station Yuma (MCAS Yuma).

The Airport:

- 5 miles from the CA-AZ border in Yuma County
- 3,100 acres
- Primary non-hub commercial and military service airport
- Uses two identifier acronyms: NYL (Federal Aviation Administration) and YUM (International Air Transport Association)
- Based aircraft: 170+
- Aircraft operations: 179,000+
- Annual passenger enplanements: 90,000+
- Passenger traffic variation: winter (high), summer (low)
- Passenger traffic sources: tourism, agriculture, MCAS Yuma Weapons Tactical Instruction Course

YCAA is responsible for:

- The commercial service passenger terminal
- The apron and terminal at the north end of the airfield
- General aviation facilities on the west end of the property.
- Defense contractor complex facilities

MCAS Yuma is responsible for:

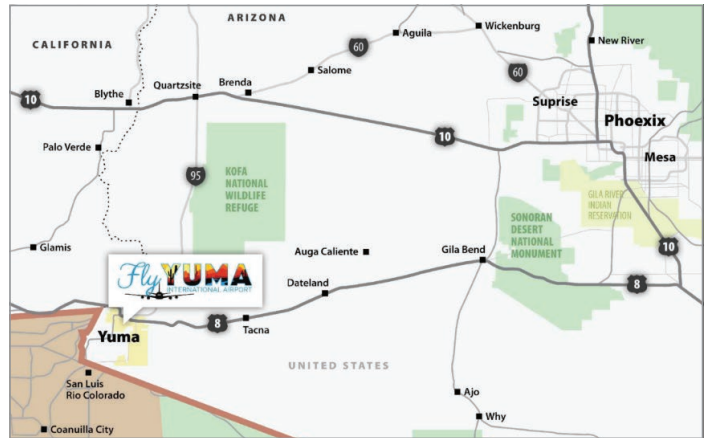
- Runways and most taxiways at the Airport
- Hangars, buildings, and support facilities on the eastern side of the property
- The Air Traffic Control Tower
- The Aircraft Rescue and Fire Fighting (ARFF) equipment (military and civil)

The forecasts for the master plan were developed during a time of great uncertainty due to the global COVID-19 pandemic and subsequent economic recession, so a modified hybrid approach was used to identify the short-term decline, medium-term recovery, and post-recovery long-term growth. This approach was supported by the Federal Aviation Administration (FAA) and helped define the activity levels throughout the 20-year planning period.

Study Process and Recommendations

The Airport Master Plan for NYL was approved and adopted on March 8, 2022, by the YCAA Board of Directors. The prior master plan was completed in 2009 during a time of significant economic uncertainty throughout the United States resulting from the financial crisis. The FAA desires airports to update their master plans every five to ten years to account for changes in the local and national aviation economies. This study provided an opportunity for the YCAA to develop a long range (20-year) vision for airport development based on forecasted growth. The overall goal of the plan is to clearly define NYL's long-range development plan.

The master plan was developed in coordination with a Planning Advisory Committee (PAC), made up of community and industry experts, including the FAA and Arizona Department of Transportation - Aeronautics Division (ADOT), who provided input throughout the process. Two well-attended public open houses were also held to involve the public and to present the major findings of the plan. With input from all groups, a final plan was put forth, along with a 20-year capital improvement program.



Forecast Summary				
	2019	2025	2030	2040
Commercial Service Enplanements	92,908	104,040	124,788	163,113
Aircraft Operations Total	179,838	179,966	180,521	181,944
Itinerant				
Air Carrier and Commuter	5,912	6,040	6,595	8,018
Air Taxi	9,928	9,928	9,928	9,928
Commercial				
General Aviation	33,773	33,773	33,773	33,773
Military	95,680	95,680	95,680	95,680
Local				
General Aviation	34,545	34,545	34,545	34,545
Based				
Military	83	103	106	108
Single Engine (Non-Jet)	55	48	43	37
Multi-Engine (Non-Jet)	13	12	11	10
Turbo Prop/Turbo Jet	4	7	10	15
Other	1	1	1	1

Note:
For FY2019, the based aircraft total is from the TAF released in January 2020 allocated by aircraft type based on the breakout shares in the FAA Airport Master Record for NYL as of February 2020.
Preferred Master Plan Forecast Scenario 2B depicted.

The YCAA would like to thank the individuals from the organizations who participated in the development of the Yuma International Airport Master Plan. Membership included:

- ADOT
- Aircraft Owners and Pilots Association
- American Airlines
- Arizona Public Service
- Arizona Western College
- Avis Rental Car
- Big Adventure Hangars
- Brewers Restaurant
- Budget Rental Car
- CareFlight
- City of San Luis
- City of Somerton
- City of Yuma
- Cocopah Native American Tribe
- County of Yuma
- Crane Elementary School District
- Enterprise Rental Car
- Experimental Aircraft Association, Inc.
- FAA
- Federal Express
- Fort Yuma Quechan Native American Tribe
- Greater Yuma Port Authority
- Hertz Rental Car
- Million Air
- Town of Wellton
- Transportation Security Agency
- United States Customs and Border Patrol
- United States Marine Corps Air Station Yuma
- YCAA
- YCAA Board of Directors
- Yuma County Chamber of Commerce Transportation Committee
- Yuma County Intergovernmental Public Transit Authority
- Yuma Elementary School District One
- Yuma Metropolitan Planning Organization
- Yuma Proving Ground
- Yuma Unified High School District
- Yuma Union High School District
- 4FrontED

Capital Improvement Program Sources and Uses

The primary development objectives on which the Airport Master Plan is based will remain valid into the near future. The master plan was designed to provide the YCAA with flexibility and allow the airport to undertake improvement projects as demand dictates. Each year, the Airport is required to submit an updated list of priority projects to the FAA and ADOT. Some projects, such as the passenger terminal building expansion, should only be undertaken as demand indicates. The Airport Master Plan provides documentation and support for those projects identified in the capital improvement program.

Capital Improvement Program Summary						
Sources of Capital Funding	Phase-I (0-5 Years)	Phase-II (6-10 Years)	Phase-III (11-20 Years)	Phase-IV (20+ years)	Total	Percentage of Total
AIP Entitlements	\$ 6,798,403	\$ 1,618,712	\$ 3,832,653	\$ 10,553,831	\$ 22,803,599	11.8%
AIP Discretionary	\$ 19,766,823	\$ 25,855,438	\$ -	\$ 59,626,398	\$ 105,248,658	54.5%
PFC Paygo	\$ 2,684,933	\$ 3,014,389	\$ 201,285	\$ 10,344,864	\$ 16,245,472	8.4%
TSA Grants	\$ 1,633,600	\$ -	\$ -	\$ -	\$ 1,633,600	0.8%
ADOT Grants	\$ 1,148,423	\$ 5,426,735	\$ 174,993	\$ 2,036,107	\$ 8,786,257	4.6%
CFCs	\$ -	\$ -	\$ 1,291,638	\$ -	\$ 1,291,638	0.7%
Local Funds	\$ 1,821,552	\$ 13,888,091	\$ 6,367,230	\$ 14,961,337	\$ 37,038,210	19.2%
Total Sources	\$ 33,853,733	\$ 49,803,365	\$ 11,867,799	\$ 97,522,537	\$ 193,047,434	

Uses of Capital Funding	Phase-I (0-5 Years)	Phase-II (6-10 Years)	Phase-III (11-20 Years)	Phase-IV (20+ years)	Total	Percentage of Total
Taxiway	\$ -	\$ -	\$ -	\$ 82,561,200	\$ 82,561,200	42.8%
Terminal Expansion/Reno	\$ 3,042,000	\$ 46,924,651	\$ -	\$ -	\$ 49,966,651	25.9%
Apron	\$ 26,100,179	\$ -	\$ 717,918	\$ 14,961,337	\$ 41,779,434	21.6%
Parking and Roadways	\$ 1,413,151	\$ 1,450,782	\$ 3,053,522	\$ -	\$ 5,917,455	3.1%
Other Airfield Improvements	\$ 250,000	\$ -	\$ 2,422,691	\$ -	\$ 2,672,691	1.4%
Fuel Farm/Fuel Storage	\$ -	\$ -	\$ 2,365,572	\$ -	\$ 2,365,572	1.2%
General Aviation	\$ 2,798,403	\$ -	\$ -	\$ -	\$ 2,798,403	1.4%
Rental Car	\$ -	\$ -	\$ 2,239,774	\$ -	\$ 2,239,774	1.2%
Maintenance Facility	\$ -	\$ 1,095,080	\$ -	\$ -	\$ 1,095,080	0.6%
Other	\$ 250,000	\$ 332,851	\$ 1,068,322	\$ -	\$ 1,651,173	0.9%
Total	\$ 33,853,733	\$ 49,803,365	\$ 11,867,799	\$ 97,522,537	\$ 193,047,434	



For further information, please contact:

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The recommended airport capital development projects include:

Taxiway System Improvements

- Construct Segment I of new Taxiway Y with five new taxiway connectors; demolish and remove old Taxiway H1 and F1 connectors.
- Construct Segment II of new Taxiway Y with one new taxiway connector; relocate Taxiway Z2/Z3 to ADG III standards and extend Taxiway Z to connect to Taxiway Y. Relocate leasehold fence to accommodate ADG III standards for new Taxiway Z2 and Z3.
- Construct Segment III of new Taxiway Y with one new taxiway connector.
- Relocate the ADG I aircraft runup area along existing Taxiway Z north of Taxiway Z1 to accommodate multiple aircraft. Remove expansive pavement along Taxiway Z along the entrance to Runway 8.

Defense Contractors Complex and Other Facility Improvements

- Expand the existing fuel farm by five 30,000 USG above ground storage tanks.
- Expand the Defense Contractors Complex South Apron area by 47,000 SY.
- Construct a new 43,000 SY aircraft apron for Maintenance, Repair, and Overhaul (MRO). Apron will connect to a ADG VI/TDG VII taxiway connector.

General Aviation Improvements

- Extend Burch Way road by 2,650 SY in asphalt to include all necessary grading, drainage, utilities, lighting, and fencing.
- Construct new 7,750 SF maintenance equipment storage facility.
- Construct new 16,000 SF aircraft apron in asphalt to support up to ADG III aircraft.

Landside Access and Vehicle Parking Improvements

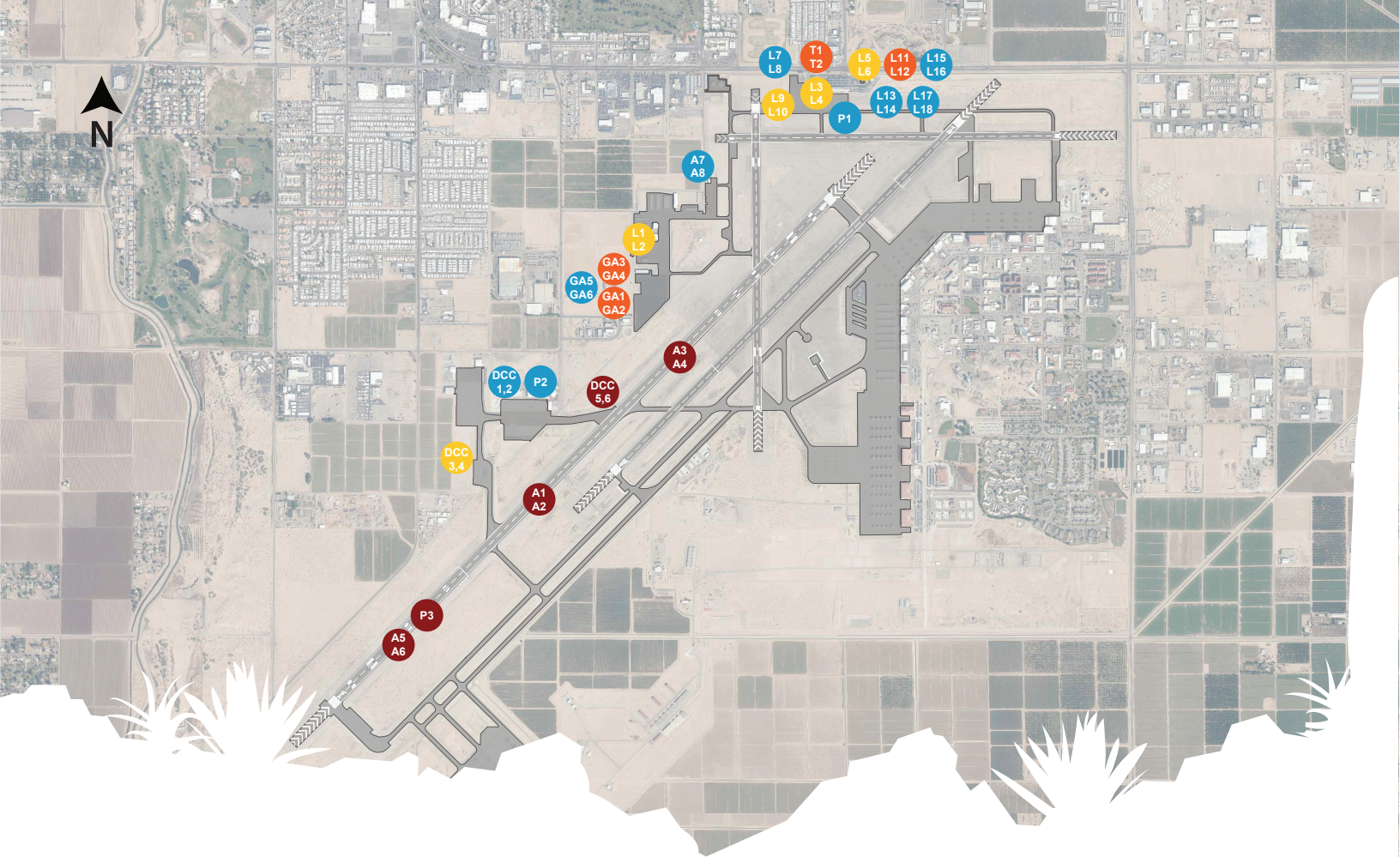
- Expand the existing FBO vehicle parking lot by 40+ single stripe parking stalls.
- Expand the existing Airport public vehicle parking lot by 20+ double stripe (uncovered) parking stalls.
- Construct new remote vehicle parking lot for 30 stalls for cell phone lot/employees. Vehicle parking stalls will be single stripe.
- Expand the existing vehicle parking lot to include an additional 200 vehicle stalls for public parking. Parking lot will include single stripe stalls, asphalt improvements, new metered ingress/egress, fencing, and curbs.
- Reconfigure employee lot for long-term public vehicle parking. Project would require new IT improvements to link parking pass to YCAA computers.
- Reconfigure the existing terminal loop road and the public vehicle parking lot to accommodate an additional 48 single stripe parking stalls with a new exit plaza.
- Reconfigure rental car return lot for an additional 110 parking stalls.
- Expand the existing remote vehicle parking lot by 200 parking stalls.
- Reconfigure the existing rental car ready lot/quick turn area lots.

Terminal Building Improvements

- Conduct a Westside terminal expansion and reconfiguration program consisting of 68,000 SF for a total of five aircraft gates.

Planning and Environmental Studies

- Conduct Airport Master Plan Update.
- Conduct Environmental Assessment for fuel storage expansion.
- Conduct Environmental Assessment for new Taxiway Y.



Airport Capital Improvement Program

Phase I: 0 to 5 years	Phase II: 6 to 10 years
L1/L2 Design/Construct expanded FBO vehicle parking lot by 40+ parking stalls.	T1/T2 Design/Construct westside terminal expansion and reconfiguration.
L3/L4 Design/Construct expanded public parking lot by 20+ parking stalls.	GA1/2 Design/Construct - Extend Burch Way road by 2,650 SY in asphalt to include all necessary grading, drainage, utilities, lighting, and fencing.
L5/L6 Design/Construct new remote vehicle parking lot for 30 stalls for cell phone lot/employees.	GA3/4 Design/Construct new 7,750 SF maintenance storage facility.
L9/L10 Design/Construct reconfiguration of the existing employee for long-term public parking.	L11/12 Design/Construct reconfiguration of the existing terminal loop road and the public parking lot for an additional 48 parking stalls with a new exit plaza.
DCC3/4 Design/Construct expanded Defense Contractors Complex South Apron.	
Phase III: 11 to 20 years	Phase IV: 20+ years
A7/A8 Design/Construct relocated ADG I aircraft runup area (Taxiway Z north of Taxiway Z1).	P3 Conduct Environmental Assessment for new Taxiway Y.
GA5/6 Design/Construct new 16,000 SF aircraft apron.	A1/A2 Design/Construct segment I of new Taxiway Y and taxiway connectors; demolish and remove old Taxiway H1 and F1 connectors.
P1 Conduct Airport Master Plan Update.	DCC5/6 Design/Construct new 43,000 SY aircraft apron for Maintenance, Repair, and Overhaul (MRO)
P2 Conduct Environmental Assessment for fuel storage expansion.	A3/A4 Design/Construct segment II of new Taxiway Y and new taxiway connector; relocate Taxiway Z2/Z3 and extend Taxiway Z to connect to Taxiway Y. Relocate leasehold fence to accommodate ADG III standards for new Taxiway Z2 and Z3.
DCC1/2 Design/Construct fuel farm expansion: (5) 30,000 USG above ground storage tanks.	A5/A6 Design/Construct segment III of new Taxiway Y with one new taxiway connector.
L7/L8 Design/Construct expanded parking lot for an additional 200 public vehicle stalls.	
L13/L14 Design/Construct reconfiguration of rental car lot for an additional 110 parking stalls.	
L15/L16 Design/Construct expanded remote parking lot by 200 parking stalls.	
L17/L18 Design/Construct reconfiguration of rental car ready lot/quick turn area lots.	

Note: Projects depicted were identified in the master plan. A comprehensive Airport Capital Improvement Program will be submitted to the FAA on an annual basis depicting funding priorities.

