

MISSOURI STATE AIRPORT SYSTEM PLAN UPDATE



MODOT STATE AIRPORT SYSTEM PLAN

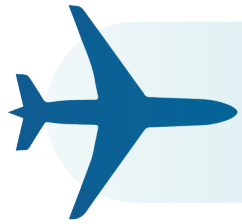
Project Advisory Committee Meeting
Webinar July 10, 2018



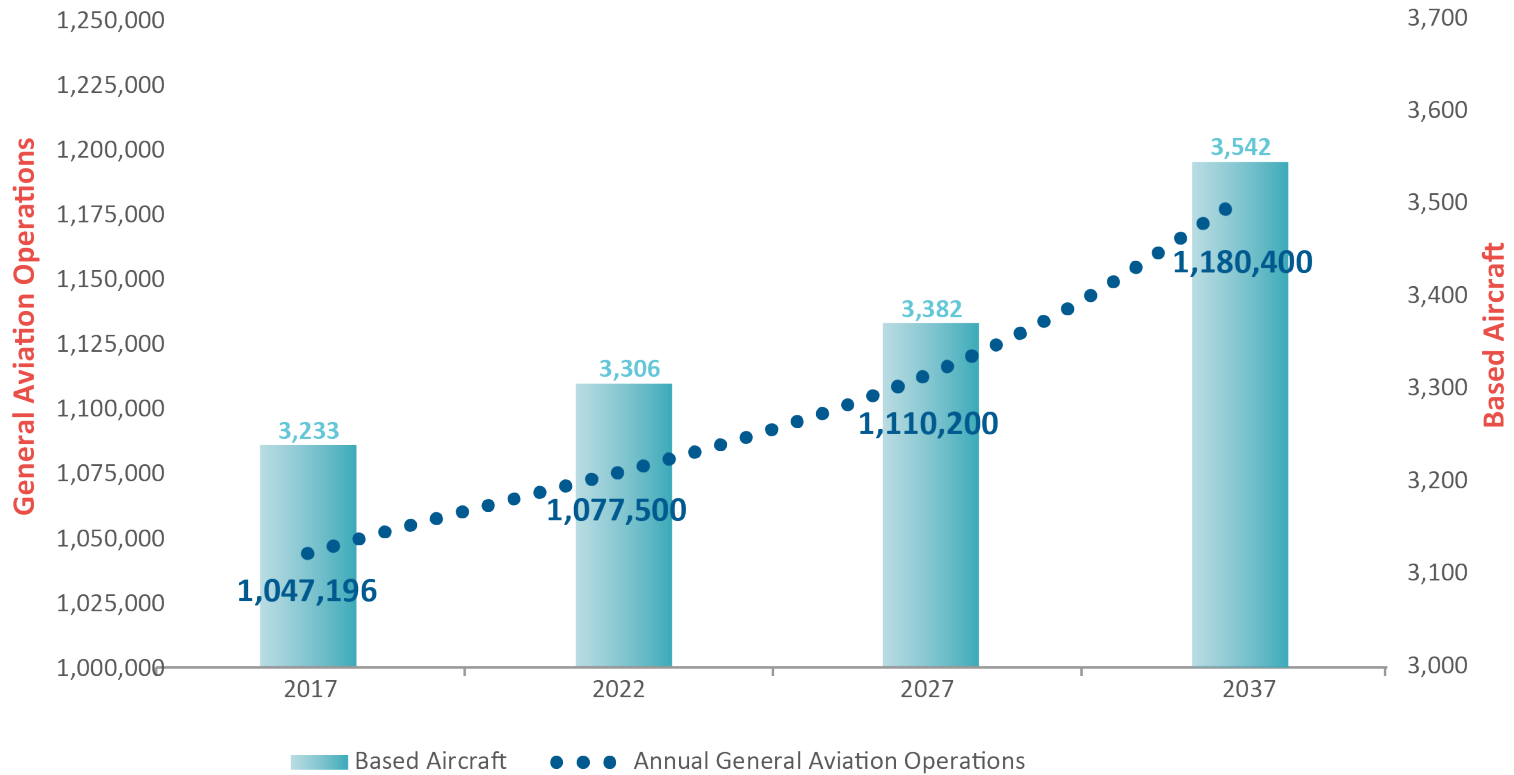


Status of the System Planning Process



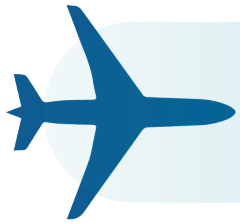


Summary of System Plan Demand Projections



Current System Performance Evaluation





Summary of Current System Performance

CURRENT SYSTEM PERFORMANCE BY MEASURE

Performance Measure	Missouri residents in Service Area
30 Minute Current Accessibility to a Missouri Airport with a Published Approach	84.7%
30 Minute Current Accessibility to a Missouri or Nearby Airport with a Published Approach	86.7%
30-Minute Accessibility to an Airport with an Approach Supported by Vertical Guidance	
30 Minute Current Accessibility to a Missouri Airport with a Vertical Guidance Approach	79.7%
30 Minute Current Accessibility to a Missouri or Nearby Airport with an Approach Supported by Vertical Guidance	83.8%
30-Minute Accessibility to an Airport with On-Site Weather Reporting Equipment	
30 Minute Current Accessibility to a Missouri Airport with On-Site Weather Reporting Equipment	82.6%
30 Minute Current Accessibility to Missouri or Nearby Airport with On-Site Weather Reporting Equipment	88%
30-and 45-Minute Accessibility to Airports Exhibiting Selected NBAA Medium & Light Business Jet Airport Characteristics	
45 Minute Current Accessibility to Missouri Airports Meeting Acceptable NBAA Medium Business Jet Airport Characteristics	77.8%
45 Minute Current Accessibility to Missouri or Nearby Airports Meeting Acceptable NBAA Medium Business Jet Airport Characteristics	79.3%
30 Minute Current Accessibility to Missouri Airports Meeting Acceptable NBAA Light Business Jet Airport Characteristics	70.9%
30 Minute Current Accessibility to Missouri or Nearby Airports Meeting Acceptable NBAA Light Business Jet Airport Characteristics	73.1%
45 and 30 Minute Current Accessibility to Missouri Airports Meeting Acceptable NBAA Medium or Light Business Jet Airport Characteristics	84.6%
45 and 30 Minute Current Accessibility to Missouri or Nearby Airports Meeting Acceptable NBAA Medium or Light Business Jet Airport Characteristics	85.7%
System Performance for Pavement Condition Index (PCI)	
- Percentage of System Airports with a PCI of 70 or greater	72.7%

Potential Changes in Airport Roles





Airport Roles Were Established in the 2002 SASP Using a Variety of Factors

Economic Support

- Total based aircraft
- Fuel facilities
- Aviation services
- Net taxable sales

Accessibility

- Population within a 30 minute drive time
 - Surface access to airport
 - Businesses within a 30-minute drive time
 - Registered pilots within a 30 minute drive time

Physical Facilities/Prior Investment

- Primary runway lengths
- Approach type
- Aircraft storage units



Factors Considered for Role Changes

Factors

- FAA roles for NPIAS general aviation airports as assigned in ASSET/NPIAS
- Changes in based aircraft 2002 and current
- Operational fleet mix data from FAA National Offload Program (NOP)
- Geographic relationship of airports in each role category
- Changes in runway lengths since the 2002 plan
- Expected rates of population/employment increase in airport service areas
- Current airport characteristics and operating environment (PAC input)



2002 SASP Roles/Name vs. 2018 Roles/Name

PAC members in attendance suggested that a new airport role category should be established. This category would be between the existing Commercial and Regional role categories. Airports in the new category would be general aviation airports with facility and service characteristics to serve larger general aviation business jets; this segment of the general aviation fleet, according to various industry sources, is the fastest growing.

<u>Current Name</u>	<u>Suggested Name</u>
Commercial	Commercial
New Role Category	National Business
Regional	Regional Business
Business	Business Community
Community	Community Local



CURRENT MODOT ROLE AND POTENTIAL ROLE CHANGES

City	Airport Name	FAA ID	Primary Runway Length (feet)	Runway Length Needed to Meet Objective	Current Role	Potential Role
General Aviation Airports						
Ava	Ava Bill Martin Memorial	AOV	3,634	4,000	Community	↑ Business Community
Bowling Green	Bowling Green Municipal	H19	3,203	Same	Business	↓ Community Local
Brookfield/ Marceline	North Central Missouri Regional	MO8	5,002	Same	Business	↑ Regional Business
Cabool	Cabool Memorial	TVB	3,002	Same	Business	↓ Community Local
Charleston	Mississippi County	CHQ	3,196	Same	Business	↓ Community Local
Excelsior Springs	Excelsior Springs Memorial	3EX	2,004	Same	Business	↓ Community Local
Harrisonville	Lawrence Smith Memorial	LRY	4,000	Same	Regional	↓ Business Community
Jefferson City	Jefferson City Memorial	JEF	6,001	Same	Regional	↑ National Business
Kansas City	Charles B. Wheeler-Downtown	MKC	6,827	Same	Regional	↑ National Business
Lee's Summit	Lee's Summit Municipal	LXT	5,500	Same	Regional	↑ National Business
Mexico	Mexico Memorial	MYJ	5,501	Same	Regional	↑ National Business
Monett	Monett Regional	HFJ	5,000	5,000	Regional	↑ National Business
Monroe City	Captain Ben Smith Airfield	K52	3,515	Same	Business	↓ Community Local
Monticello	Lewis County Regional	6M6	3,500	Same	Business	↓ Community Local
Mosby	Midwest National Air Center	GPH	5,504	Same	Regional	↑ National Business
Mountain Grove	Mountain Grove Memorial	1MO	2,922	Same	Business	↓ Community Local
Rolla/Vichy	Rolla National	VIH	5,500	Same	Regional	↑ National Business
Sedalia	Sedalia Regional	DMO	5,500	Same	Regional	↑ National Business
Sikeston	Sikeston Memorial Municipal	SIK	5,502	Same	Regional	↑ National Business
St Joseph	Rosecrans Memorial	STJ	8,061	Same	Regional	↑ National Business
St. Louis	Spirit of St. Louis	SUS	7,485	Same	Regional	↑ National Business
Versailles	Roy Otten Memorial Airfield	3VS	2,805	Same	Business	↓ Community Local
Willow Springs	Willow Springs Memorial	1H5	3,502	Same	Business	↓ Community Local



CURRENT MODOT ROLE AND POTENTIAL ROLE CHANGES

City	Airport Name	FAA ID	Primary Runway Length (feet)	Runway Length Needed to Meet Objective	Current Role	Potential Role
General Aviation Airports						
Albany	Albany Municipal	K19	3,300	Same	Community	Community Local
Aurora	Jerry Sumners Sr Aurora Municipal	2H2	3,001	4,000	Business	Business Community
Ava	Ava Bill Marfin Memorial	AOV	3,634	4,000	Community	Business Community
Bethany	Bethany Memorial	75K	2,255	Same	Community	Community Local
Bismarck	Bismarck Memorial	H57	2,050	Same	Community	Community Local
Bolivar	Bolivar Municipal	M17	4,000	5,000	Regional	Regional Business
Bonne Terre	Bonne Terre Municipal	1BT	2,800	Same	Community	Community Local
Boonville	Jesse Viertel Memorial	VER	4,000	5,000	Regional	Regional Business
Bowling Green	Bowling Green Municipal	H19	3,203	Same	Business	Community Local
Branson	M. Graham Clark - Downtown	PLK	3,738	4,000	Business	Business Community
Branson West	Branson West Municipal - Emerson Field	FWB	5,002	Same	Regional	Regional Business
Brookfield/ Marcelline	North Central Missouri Regional	MO8	5,002	Same	Business	Regional Business
Buffalo	Buffalo Municipal	H17	3,220	Same	Community	Community Local
Butler	Butler Memorial	BUM	3,999	Same	Business	Business Community
Cabool	Cabool Memorial	TVB	3,002	Same	Business	Community Local
Camdenton	Camdenton Memorial-Lake Regional	OZS	4,000	5,000	Regional	Regional Business
Cameron	Cameron Memorial	EZZ	4,000	5,000	Regional	Regional Business
Campbell	Campbell Municipal	34M	3,000	Same	Community	Community Local
Carrollton	Carrollton Memorial	K26	2,600	Same	Community	Community Local
Caruthersville	Caruthersville Memorial	M05	4,005	Same	Business	Business Community
Cassville	Cassville Municipal	94K	3,599	4,000	Business	Business Community
Charleston	Mississippi County	CHQ	3,196	Same	Business	Community Local



CURRENT MODOT ROLE AND POTENTIAL ROLE CHANGES

Chillicothe	Chillicothe Municipal	CHT	3,899	5,000	Regional	Regional Business
Clinton	Clinton Memorial	GLY	5,000	Same	Regional	Regional Business
Cuba	Cuba Municipal	UBX	3,420	4,000	Business	Business Community
Dexter	Dexter Municipal	DXE	5,000	Same	Regional	Regional Business
Doniphan	Doniphan Municipal	X33	2,560	Same	Community	Community Local
El Dorado Springs	El Dorado Springs Memorial	87K	3,295	Same	Community	Community Local
Eldon	Eldon Model Airpark	H79	4,000	Same	Business	Business Community
Excelsior Springs	Excelsior Springs Memorial	3EX	2,004	Same	Business	Community Local
Farmington	Farmington Regional	FAM	4,222	5,000	Regional	Regional Business
Fredericktown	A. Paul Vance Fredericktown Regional	H88	4,000	Same	Business	Business Community
Fulton	Elton Hensley Memorial	FTT	4,001	Same	Business	Business Community
Gainesville	Gainesville Memorial	H27	1,895	Same	Community	Community Local
Gideon	Gideon Memorial	M85	4,504	Same	Community	Community Local
Hannibal	Hannibal Regional	HAE	4,400	5,000	Regional	Regional Business
Harrisonville	Lawrence Smith Memorial	LRY	4,000	Same	Regional	Business Community
Hermann	Hermann Municipal	63M	3,198	Same	Community	Community Local
Higginsville	Higginsville Industrial Municipal	HIG	4,400	Same	Business	Business Community
Hornersville	Hornersville Memorial	37M	2,648	Same	Community	Community Local
Houston	Houston Memorial	M48	3,500	Same	Community	Community Local
Jefferson City	Jefferson City Memorial	JEF	6,001	Same	Regional	National Business
Kahoka	Kahoka Municipal	OH7	2,680	Same	Community	Community Local
Kaiser/Lake Ozark	Lee C Fine Memorial	AIZ	6,497	Same	Regional	Regional Business
Kansas City	Charles B. Wheeler-Downtown	MKC	6,827	Same	Regional	National Business
Kennett	Kennett Memorial	TKX	5,000	Same	Regional	Regional Business
Lamar	Lamar Municipal	LLU	4,000	Same	Business	Business Community
Lebanon	Floyd W. Jones Lebanon	LBO	5,000	Same	Regional	Regional Business
Lee's Summit	Lee's Summit Municipal	LXT	5,500	Same	Regional	National Business
Lincoln	Lincoln Municipal	OR2	2,940	Same	Community	Community Local



CURRENT MODOT ROLE AND POTENTIAL ROLE CHANGES

Linn	State Technical College of Missouri	1H3	3,400	Same	Community	Community Local
Macon	Macon-Fower Memorial	K89	4,150	Same	Business	Business Community
Malden	Malden Regional	MAW	5,011	Same	Business	Business Community
Mansfield	Mansfield Municipal	03B	3,000	Same	Community	Community Local
Marshall	Marshall Memorial Municipal	MHL	5,006	Same	Business	Business Community
Maryville	Northwest Missouri Regional	EVU	4,600	Same	Business	Business Community
Memphis	Memphis Memorial	03D	3,300	Same	Community	Community Local
Mexico	Mexico Memorial	MYJ	5,501	Same	Regional	National Business
Moberly	Omar N Bradley	MBY	5,001	Same	Regional	Regional Business
Monett	Monett Regional	HFJ	5,000	5,000	Regional	National Business
Monroe City	Captain Ben Smith Airfield	K52	3,515	Same	Business	Community Local
Monticello	Lewis County Regional	6M6	3,500	Same	Business	Community Local
Mosby	Midwest National Air Center	GPH	5,504	Same	Regional	National Business
Mount Vernon	Mount Vernon Municipal	2MO	3,195	Same	Community	Community Local
Mountain Grove	Mountain Grove Memorial	1MO	2,922	Same	Business	Community Local
Mountain View	Mountain View	MNF	5,005	Same	Business	Business Community
Neosho	Neosho Hugh Robinson	EOS	5,001	Same	Regional	Regional Business
Nevada	Nevada Municipal	NVD	5,000	Same	Regional	Regional Business
New Madrid	County Memorial	EIW	3,200	4,000	Business	Business Community
Osage Beach	Grand Glaize-Osage Beach	K15	3,205	4,000	Business	Business Community
Perryville	Perryville Regional	PCD	7,003	Same	Regional	Regional Business
Piedmont	Piedmont Municipal	PYN	3,300	Same	Community	Community Local
Poplar Bluff	Poplar Bluff Municipal	POF	5,008	Same	Regional	Regional Business
Potosi	Washington County	8WC	4,000	Same	Business	Business Community
Richland	Richland Municipal	MO1	3,000	Same	Community	Community Local
Rolla/Vichy	Rolla National	VIH	5,500	Same	Regional	National Business



CURRENT MODOT ROLE AND POTENTIAL ROLE CHANGES

Salem	Salem Memorial	K33	2,998	4,000	Business	Business Community
Sedalia	Sedalia Regional	DMO	5,500	Same	Regional	National Business
Shelbyville	Shelby County	6K2	2,300	Same	Community	Community Local
Sikeston	Sikeston Memorial Municipal	SIK	5,502	Same	Regional	National Business
St Joseph	Rosecrans Memorial	STJ	8,061	Same	Regional	National Business
St. Charles	St. Charles County Smart Field	SET	3,800	5,000	Regional	Regional Business
St. Louis	Creve Coeur	1H0	4,500	5,000	Regional	Regional Business
St. Louis	Spirit of St. Louis	SUS	7,485	Same	Regional	National Business
Steele	Steele Municipal	M12	3,984	Same	Community	Community Local
Stockton	Stockton Municipal	MO3	3,060	Same	Community	Community Local
Sullivan	Sullivan Regional	UUV	4,500	5,000	Regional	Regional Business
Tarkio	Gould Peterson Municipal	K57	3,564	Same	Community	Community Local
Thayer	Thayer Memorial	42M	4,200	Same	Community	Community Local
Trenton	Trenton Municipal	TRX	4,307	Same	Business	Business Community
Unionville	Unionville Municipal	K43	2,805	Same	Community	Community Local
Van Buren	Bollinger-Crass Memorial	MO5	2,600	Same	Community	Community Local
Versailles	Roy Otten Memorial Airfield	3VS	2,805	Same	Business	Community Local
Warrensburg	UCM-Skyhaven	RCM	4,206	5,000	Regional	Regional Business
Warsaw	Warsaw Municipal	RAW	4,000	Same	Business	Business Community
Washington	Washington Regional	FYG	5,002	Same	Regional	Regional Business
West Plains	West Plains Regional	UNO	5,101	Same	Regional	Regional Business
Willow Springs	Willow Springs Memorial	1H5	3,502	Same	Business	Community Local



What are the Next Steps?

- Use recommended roles to determine the ability of airports to satisfy facility/service objectives
- Project Webinar August 8 at 1 pm
- Develop costs for projects identified by the system plan
- Next PAC November
- Project wrap-up December/January



QUESTIONS

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