

OVERVIEW

The Iowa DOT Aviation Bureau, in completing the 2020 Iowa Statewide Aviation System Plan (SASP 2020), seeks to support its mission to ensure that the airport system will serve all facets of aviation in a safe and efficient manner. This report provides a summary of findings as they relate to Shenandoah Municipal Airport and the state system.



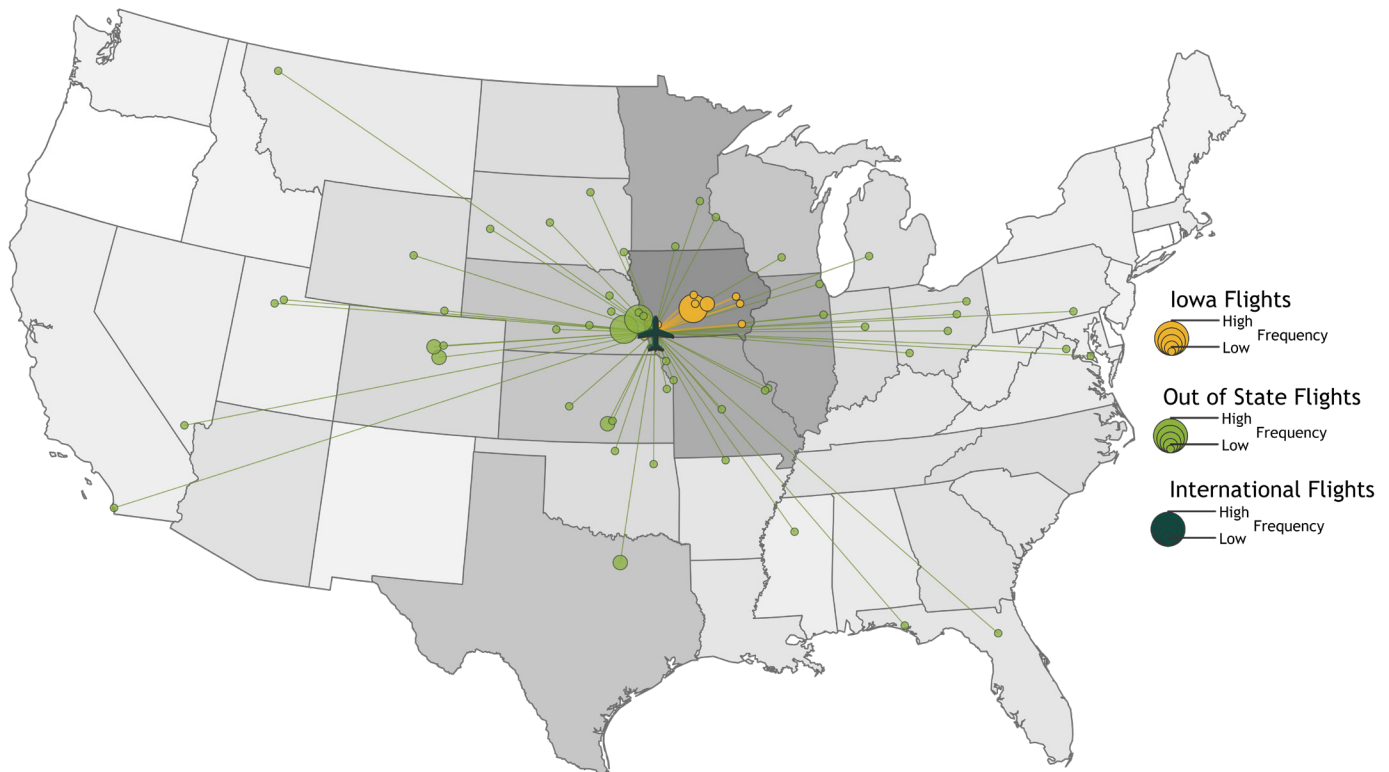
SHENANDOAH MUNICIPAL AIRPORT (SDA)

SHENANDOAH, IOWA

PRIMARY RUNWAY: 04/22, 5,000' X 75'
APPROACH TYPE: NON-PRECISION WITH VERTICAL GUIDANCE
FUEL: 100LL, JET A
BASED AIRCRAFT: 16
FBO: FULL SERVICE

MARKET CONNECTIONS

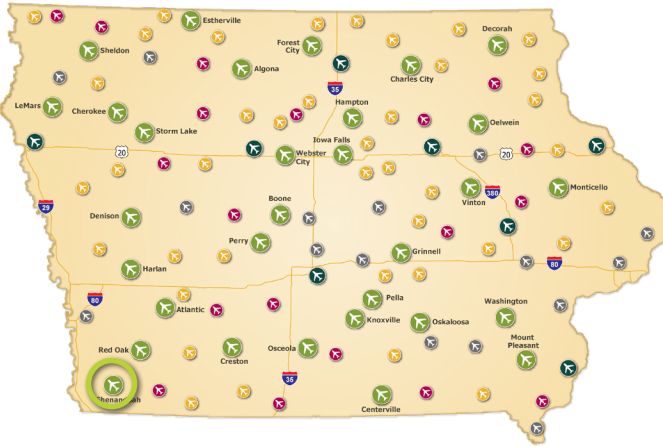
The airport supports connectivity to numerous markets throughout the United States and beyond. FAA flight data shown on this map presents a one-year snapshot of select markets served.



Data Source: FAA TFMS; CY 2018



SHENANDOAH MUNICIPAL AIRPORT A GENERAL SERVICE AIRPORT



COMMERCIAL SERVICE

ENHANCED SERVICE

GENERAL SERVICE

BASIC SERVICE

LOCAL SERVICE

GENERAL SERVICE airports are those that have runways over 4,000 feet and services that cater to small and mid-size business jets. The airports in this role are recognized as community assets.

DIFFERENT ROLES FOR DIFFERENT NEEDS:

A highly-functioning transportation system has airports with varying facilities and services that serve distinct roles. Iowa's airport system is stratified into five roles that aid the Aviation Bureau in planning and prioritizing airport improvement and maintenance projects. These roles help the Aviation Bureau drive Iowa airports to best serve their market niche and user base.

SHENANDOAH MUNICIPAL AIRPORT FACILITY AND SERVICE OBJECTIVES

AIRSIDE FACILITIES	MEETS OBJECTIVE
Primary Runway Dimensions	✓
Taxiway Layout	✓
Approach Type	✓
Navigational and Visual Aids	✓
Weather Reporting	✓
LANDSIDE FACILITIES	
Aircraft Storage	!
Terminal Building	✓
Paved Auto Parking	✓
SERVICES	
Fixed Base Operator	✓
Fueling Services	✓
Attendance Schedule	✓
Terminal Amenities	✓
Ground Transportation	✓
Snow Removal	✓
Security	✓
Aircraft Maintenance	✓
Flight Instruction	✓
Aircraft Rental/Charter	!
PLANNING	
Land Use Plan	!
Height Zoning	✓
Airport Layout Plan	✓

✓ MEETS OBJECTIVE ! IMPROVEMENT RECOMMENDED

FACILITY AND SERVICE OBJECTIVES

Facility and service objectives were identified to help guide future development, creating a path for each airport to best serve its market. Existing airport conditions are compared to the objectives for each role; projects are recommended when a deficiency is noted.



FUTURE AIRPORT DEVELOPMENT NEEDS

Development needs from 2021-2030 for this airport include system plan recommendations, the airport's current capital improvement program (CIP), and identified pavement maintenance.

	SYSTEM PLAN DEVELOPMENT RECOMMENDATIONS	----- \$424,400
	CAPITAL IMPROVEMENT PROGRAM (CIP)	----- \$4.8M
	PAVEMENT MAINTENANCE	----- \$1.1M
	TOTAL	----- \$6.4M