



COLORADO SPRINGS  
AIRPORT

COLORADO SPRINGS MUNICIPAL AIRPORT

# MASTER PLAN

**JVIATION®**  
A WOOLPERT COMPANY

---

# Colorado Springs Municipal Airport

## Airport Master Plan

2022

Prepared by Jviation, A Woolpert Company  
for the city of Colorado Springs, Colorado

The preparation of this document was financed through a planning grant from the Federal Aviation Administration (FAA) as approved under the Airport and Airway Improvement Act of 1982. The contents of this report reflect the views of the Consultant, which is responsible for the facts and accuracy of the data depicted herein, and do not necessarily reflect the official views or policy of the FAA. Acceptance of this report by the FAA does not in any way constitute a commitment on the part of the United States to participate in any development depicted herein, nor does it indicate that the proposed development is environmentally acceptable in accordance with applicable public laws.

---

# Table of Contents

<b>1. Study Introduction.....</b>	<b>1-1</b>
Introduction .....	1-1
Master Plan Purpose and Objectives.....	1-1
Overview of Airport Issues and Concerns.....	1-4
Airport Master Plan Communication & Coordination .....	1-4
Master Plan Study Elements .....	1-6
<b>2. Inventory of Existing Conditions.....</b>	<b>2-1</b>
Airport Overview .....	2-1
Airside Facilities .....	2-13
Landside Facilities .....	2-20
Airport Support Facilities .....	2-32
Airspace System/Navigation and Communication Aids .....	2-35
Airport Environs.....	2-51
Environmental Review.....	2-52
<b>3. Aviation Activity Forecast .....</b>	<b>3-1</b>
Background .....	3-1
Introduction .....	3-1
Overview of the Airport Market Area.....	3-2
Commercial Aviation Industry Trends .....	3-9
General Aviation Industry Trends .....	3-20
Historical and Current COS Aviation Activity .....	3-26
Forecast Methodologies .....	3-38
Projections of Passenger Enplanements .....	3-40
Projections of Air Cargo Volume.....	3-44
Projections of Aircraft Operations.....	3-45
Based Aircraft Projections .....	3-50
Peaking Characteristics .....	3-53
Critical Aircraft Determination .....	3-56
Summary.....	3-60
<b>4. Demand/Capacity and Facility Requirements .....</b>	<b>4-1</b>
Demand/Capacity Analysis - Introduction .....	4-1
Airfield Capacity Analysis.....	4-1
Landside Capacity Analysis .....	4-11
Demand/Capacity Summary .....	4-23
Facility Requirements - Introduction .....	4-25

Strategic Development Initiatives .....	4-25
Airfield Requirements.....	4-28
Passenger Terminal Requirements.....	4-54
General Aviation Requirements.....	4-62
Air Cargo Requirements.....	4-66
Support Facility Requirements .....	4-67
Facility Requirements Summary .....	4-72
<b>5. Alternatives Analysis &amp; Development Plan.....</b>	<b>5-1</b>
Introduction .....	5-1
Airfield.....	5-2
Passenger Terminal.....	5-11
Automobile Parking and Rental Car.....	5-15
Westside Development Area .....	5-19
Airport Traffic Control Tower .....	5-21
Airport Surveillance Radar / East Deicing Apron .....	5-23
Consolidated Airfield Maintenance / East Hangar Development.....	5-26
Development Plan Summary .....	5-28
<b>6. Airport Layout Plan.....</b>	<b>6-1</b>
Introduction .....	6-1
Airport Layout Plan Drawing Set Elements.....	6-2
<b>7. Financial Implementation Plan.....</b>	<b>7-1</b>
Introduction .....	7-1
Capital Funding Sources.....	7-2
Financial Analysis and Implementation Plan .....	7-8
Financial Plan Summary.....	7-23

**Recycling and Resiliency**

**Regional Transportation Assessment**