

**IDAHO AIRPORT
SYSTEM PLAN UPDATE** 2020
& AIRPORT ECONOMIC IMPACT ANALYSIS UPDATE



MURPHY

Murphy
SUMMARY REPORT



FAA ID
1U3

Understanding the Airport

Murphy is a small town in southwestern Idaho, approximately 30 miles southwest of Boise. The town is the county seat of Owyhee County and has a population of approximately 100 people. Murphy was once a part of a rail line that transported silver from mines in the Owyhee Mountains to Boise, and now serves as a rural agricultural and ranching community. Employers in Murphy include Mountain Meadow Adventure Rentals and the Owyhee County Government. Local recreational attractions include the Owyhee County Museum and Library as well as multiple historic mining towns in the Owyhee Mountains. Murphy Airport (1U3) is a general aviation airport that is owned and operated by Owyhee County. The airport is located just across State Highway 78 from Murphy and is primarily used by recreational pilots and flight training aircraft to practice operating from a sloped runway. There are currently no businesses or amenities at the airport, but two government agencies utilize the field. The U.S. Department of Agriculture's Animal/Plant Health Inspection Service (APHIS) occasionally uses the airport as a staging base to conduct aerial application activities for the mitigation of Mormon crickets. The Bureau of Land Management conducts annual smokejumping training from the airport. Air ambulance helicopters will also use the airport on occasion to conduct medical evacuations from the area. The activities that are supported by Murphy Airport directly support the accessibility of the town and the economic output of the region.



AERIAL
FIREFIGHTING



MEDICAL
OPERATIONS



AERIAL AGRICULTURAL
SPRAYING



FLIGHT
TRAINING



RECREATIONAL
FLYING

AIRPORT FEATURES

| | | |
|------------------------|---------------------|--------------|
| Associated City | Murphy | |
| Associated County | Owyhee | |
| Airport Reference Code | A-II | |
| Primary Runway | ORIENTATION | 12 / 30 |
| | DIMENSION | 2,500' x 45' |
| | SURFACE TYPE | Asphalt |

FORECAST SUMMARY

| Activity | 2017 | 2037 | % Change |
|----------------------|-------|-------|----------|
| Based Aircraft | 0 | 0 | 0% |
| CS Annual Operations | N/A | N/A | N/A |
| GA Annual Operations | 2,028 | 2,378 | 15% |

AVIATION FORECAST

When planning for new or additional airport facilities, projections of various indicators of aviation demand such as based aircraft and operations can help determine the type and size of necessary improvements.

AIRPORT ROLE

IASP Role
General

Federal Role
N/A

AIRPORT ROLES

Idaho's airport classification structure is designed to establish a network of facilities that support the state's access, mobility, and economic needs while preserving the long-term viability of all airports within the system. The 2020 Idaho Airport System Plan (IASP) Update has identified nine functional roles for the 75 publicly-owned public-use airports in the system. State and federal classifications are the same for airports included in the National Plan of Integrated Airport Systems (NPIAS), while non-NPIAS airports are categorized into three state-specific roles.

Facility and Service Objectives

Facility and service objectives (FSOs) were developed for each Idaho airport role. These objectives provide guidance on the recommended minimum facilities and services that the airport should have to optimally fulfill its functions in the system. The following table summarizes the airport's current facilities and services, FSOs, other projects recommended or identified during 2020 IASP Update, as well as estimated 20-year development costs. Recommended development costs include projects identified during the system plan, 20-year pavement lifecycle costs, future aircraft storage needs based on forecasted activity, and additional needs identified in the Idaho State Capital Improvement Plan (ISCIP). While these projects are included as part of the IASP, it is recognized that implementation of these projects is dependent on local needs. As an integral component of Idaho's airport system, these recommended improvements will ensure that this facility continues to provide state residents, businesses, and visitors with the aviation infrastructure necessary over the next 20 years.

| AIRPORT REPORT CARD | | MURPHY | GENERAL | | |
|---|--|---------------------|--------------------|-----------|-----|
| OBJECTIVE CATEGORY | AIRPORT OBJECTIVES (SPECIFIC TO ROLE) | CURRENT PERFORMANCE | RECOMMENDATION | COST | |
| AIRSIDE FACILITIES | | | | | |
| Primary Runway Length | Maintain Existing | 2,500 feet | None | \$- | |
| Primary Runway Width | 50 feet | 45 feet | Add 5 feet | \$55,755 | |
| Primary Runway Strength | Maintain Existing | N/A | None | \$- | |
| Primary Taxiway | Maintain Existing | None | None | \$- | |
| Instrument Approach | Visual | Visual | None | \$- | |
| Visual Aids | Wind Cone | Lighted Wind Cone | None | \$- | |
| Runway Lighting | Reflectors | None | Reflectors | \$7,700 | |
| Weather Reporting | Not Applicable | None | None | \$- | |
| LANDSIDE FACILITIES | | | | | |
| Commercial Terminal | Not Applicable | No | None | \$- | |
| General Aviation Terminal | Not Applicable | No | None | \$- | |
| Public Restrooms | Yes | No | Public Restroom | \$55,000 | |
| Conference Rooms | Not Applicable | No | None | \$- | |
| Pilots Lounge | Not Applicable | No | None | \$- | |
| Hangar Storage Units | Not Applicable | None | 0 | None | \$- |
| Apron Tie-Down Spaces | 100% of Based Aircraft and 25% of Transient Maximum Daily Totals | 1 | 4 | None | \$- |
| Perimeter Fencing | Not Applicable | Partial | None | \$- | |
| Auto Parking | Not Applicable | No | None | \$- | |
| SERVICES | | | | | |
| Cell Phone Coverage | Yes | Yes | None | \$- | |
| Wi-Fi | Not Applicable | No | None | \$- | |
| Fixed Base Operator | Not Applicable | None | None | \$- | |
| Maintenance Services | Not Applicable | No | None | \$- | |
| Snow Removal Equipment | Not Applicable | Yes | None | \$- | |
| Fuel | Not Applicable | No | None | \$- | |
| Rental/Courtesy Car Access | Not Applicable | No | None | \$- | |
| FUTURE STORAGE NEEDS, PAVEMENT NEEDS, AND ADDITIONAL ISICIP PROJECTS | | | | | |
| PROJECT CATEGORY | | | | | |
| Performance Measure: Master Plan or Airport Layout Plan (ALP) | | | None | \$- | |
| Performance Measure: Close-in Obstructions | | | Remove Obstruction | \$15,000 | |
| Performance Measure: Meeting Current FAA Taxiway Design Standards | | | None | \$- | |
| Future Storage Needs: Hangar Spaces | | | None | \$- | |
| Future Storage Needs: Apron Tie-downs | | | None | \$- | |
| Pavement Lifecycle Costs | | | | \$490,872 | |
| Additional ISICIP Projects | | | | \$44,537 | |

Economic Benefit to Idaho

The 2020 Idaho Airport Economic Impact Analysis (AEIA) Update quantified the total economic activity of each airport in the Idaho system. The study first calculated the direct economic benefits attributable to on-airport activity, capital improvements, and off-airport visitor spending. Based on these direct impacts, indirect and induced (or "multiplier") effects associated with supplier purchases and the re-spending of worker income were then calculated. Direct impacts and multiplier effects are summed to determine the airport's total economic impacts. Impacts are expressed in terms of jobs, earnings, contribution to the state's Gross Domestic Product (GDP), and total output. GDP is the value contributed to a product or service provided by a firm or group of firms (in this case, airport business). In addition, airports support a variety of other benefits, such as agriculture, wildland firefighting, medical transport, and business operations across the state.

| STATEWIDE IMPACTS | |
|-------------------|---------------|
| Total Employment | 33,460 jobs |
| Total Earnings | \$1.3 billion |
| Total GDP | \$2.4 billion |
| Total Output | \$4.9 billion |

Overall, the statewide impact of aviation for Idaho's economy exceeds **\$4.9 billion** and provides benefits through diverse activities associated with aviation and airport activity.

AIRPORT-SPECIFIC IMPACTS



ADDITIONAL AVIATION BENEFITS

Supports Flight Training Operations

Hosts Smokejumper Training by BLM

Supports Wildlife Survey Efforts

Utilized by Air Ambulance for Medical Evacuations

Supports Aerial Application for Local Farms

Supports Recreational Flying

LAND USE COMPATIBILITY

Incompatible land use on and around airports can result in noise-related nuisance or safety-related concerns affecting airspace, overflights, and accident severity. Incompatibility has the potential to limit airport operations, close airports, or restrict access. Most recently, Idaho Code 67-6508(q) (Section Q) established new requirements for cities and counties to prepare a Public Airport Facilities section in their comprehensive plans. The Public Airport Facilities section must provide an overview of nearby airport facilities, operations, airport development, and economic impact. Section Q is an important step towards supporting compatible land uses around airports.