

# TWFF

JOSLIN FIELD, MAGIC VALLEY REGIONAL AIRPORT  
[www.TWFFmasterplan.com](http://www.TWFFmasterplan.com)

# AIRPORT MASTER PLAN UPDATE



## TERMINAL PLAN TEAM

### Airport Sponsors



- **City of Twin Falls and Twin Falls County are co-sponsors (owners) per 1968 joint service agreement**
- **Airport is operated, maintained, and managed by the City of Twin Falls**
- **City of Twin Falls Airport Department**
  - One of 16 City departments
  - 9 employees
- **Airport Advisory Board**
  - 6 members (3 City, 3 County)
  - Plans Airport operation, construction, improvement, and development
- **Board of County Commissioners**
  - 3 members (one from each County district)
  - In conjunction with City Council, approves aspects of Airport planning and development

### Consultant Team



Airport planning services  
(exclusively), since 1989

Prime contractor  
Overall project management  
Draft and final deliverables



Engineering and related  
services, since 1954

Twin Falls office  
TWF expertise and experience  
Key support on all tasks



Leader in aerial acquisition and mapping  
Airports Geographic Information Systems (AGIS) imagery and mapping

# PUBLIC AND STAKEHOLDER INVOLVEMENT

## Community Leadership Focus Group

Convened to help establish the goals and objectives of the Master Plan

## Technical Advisory Committee

Convened at key milestones to offer technical and operational perspectives to the Master Plan

## Public Open Houses

Convened at key milestones to provide information to the public on Master Plan process and progress and to solicit public comment and perspective to guide and support Master Plan decisions

## Other Public Involvement Meetings

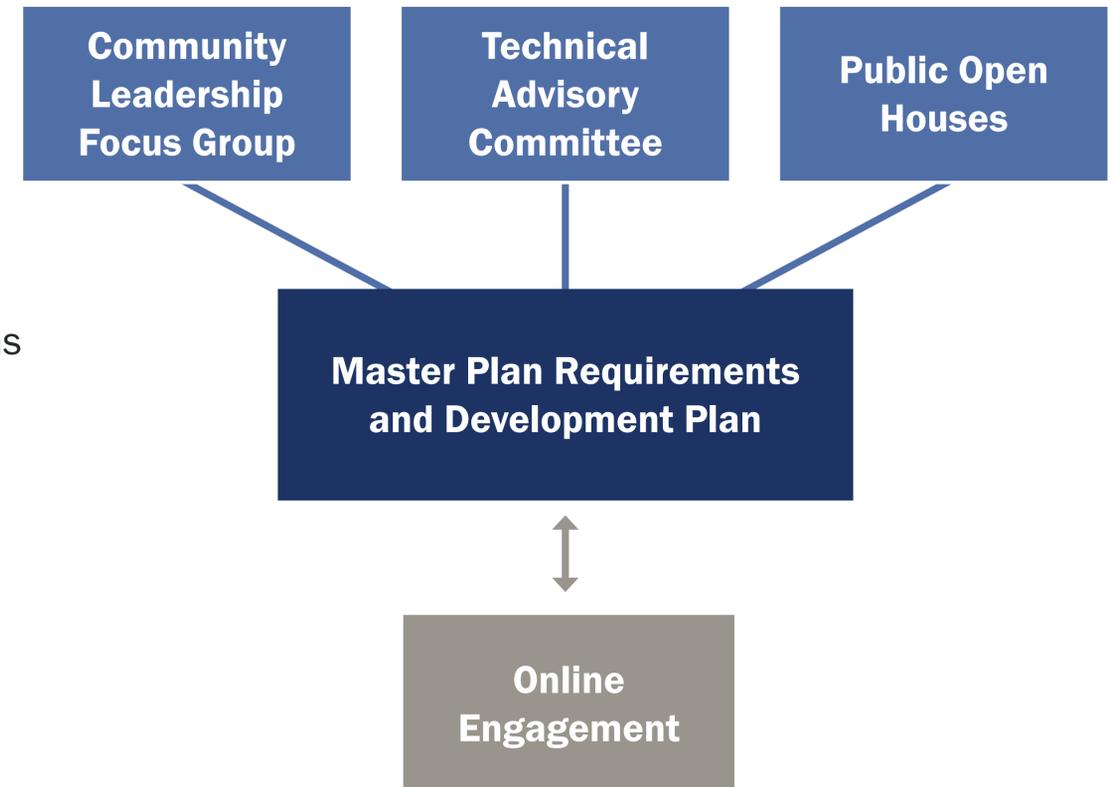
Periodic updates provided to the Airport Advisory Board, City Council, and Board of County Commissioners

## Key Stakeholder Interviews

One-on-one interviews with key stakeholders to gain deeper understanding of their relationship with the Airport and potential opportunities for improvements

## Online Engagement

Project website to serve as a hub for current information regarding the Master Plan



# PURPOSE OF AIRPORT MASTER PLAN

## Definition

Comprehensive study of the airport describing the short-, medium-, and long-term development plans to meet future aviation demand

## Function

Support the modernization or expansion of the airport; serves as the sponsor's strategy and 'blueprint' for development of the airport

## Goal

Provide the framework to guide future airport development that will cost-effectively satisfy aviation demand, while considering potential environmental and socioeconomic impacts

## Objectives

- Document issues that the proposed development will address
- Justify proposed development through evaluation of concepts and alternatives
- Provide a graphic presentation of future airport development
- Establish a realistic implementation and financial plan

Master Plan Update recommended every five to seven years (TWF Master Plan last updated in 2012)

Existing Conditions	Aviation Activity Forecasts	Facility Requirements	Concepts Development	Implementation and Financial Plan
<ul style="list-style-type: none"> <li>▪ Airport location, setting, role</li> <li>▪ Facilities inventory</li> <li>▪ Socioeconomics</li> <li>▪ Regional planning and development</li> <li>▪ Environmental inventory</li> </ul>	<ul style="list-style-type: none"> <li>▪ Airline passengers</li> <li>▪ Cargo</li> <li>▪ Aircraft operations</li> <li>▪ Based aircraft</li> <li>▪ Design aircraft</li> <li>▪ Peaking and design day forecasts</li> <li>▪ Comparison to FAA Terminal Area Forecast (TAF)</li> </ul> <p><i>Requires FAA Approval</i></p>	<ul style="list-style-type: none"> <li>▪ Airfield (runways and taxiways)</li> <li>▪ Passenger terminal</li> <li>▪ Ground transportation (roads, parking)</li> <li>▪ General aviation (hangars, aprons)</li> <li>▪ Support facilities (maintenance, fueling, firefighting)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Alternatives for meeting facility requirements</li> <li>▪ Public and stakeholder input</li> <li>▪ Evaluation process (cost, environmental impacts, etc.)</li> <li>▪ Selection of preferred development</li> </ul>	<ul style="list-style-type: none"> <li>▪ Cost estimates</li> <li>▪ Implementation schedule</li> <li>▪ Improvement Program (CIP)</li> <li>▪ CIP funding plan</li> <li>▪ Cash flow analysis</li> <li>▪ Assess non-aviation revenue generating opportunities</li> </ul>



## MASTER PLAN UPDATE

The Magic Valley Regional Airport plays a critical role in the local economy through commercial air operations and as a provider of multiple aviation services, including:



Fire-fighting



General Aviation



Cargo shipment



Agriculture

The airport, operated by the City and County of Twin Falls, through a grant from the Federal Aviation Administration (FAA), is conducting a Master Plan Update that will help identify needs and growth potential, which will position the airport to receive funding for improvements and enhancements.

These stations include information about the airport, the role it plays in the local economy and development alternatives representing potential growth opportunities.

All information will also be posted on [www.TWFmasterplan.com](http://www.TWFmasterplan.com).

## STAY INVOLVED, STAY INFORMED

Community input about the airport's strengths and opportunities for growth is critical in helping to ensure proposed changes reflect the needs and interests of those that are intended to benefit.

For questions or to provide comment about the project, particularly on the development alternatives shared here, please contact the public information representative at:



**[bkuechle@jub.com](mailto:bkuechle@jub.com)**



The public can also visit **[TWFmasterplan.com](http://TWFmasterplan.com)** to stay up-to-date with information about the study, alternative selection and future opportunities for public involvement. One additional public meeting is anticipated in fall 2021.

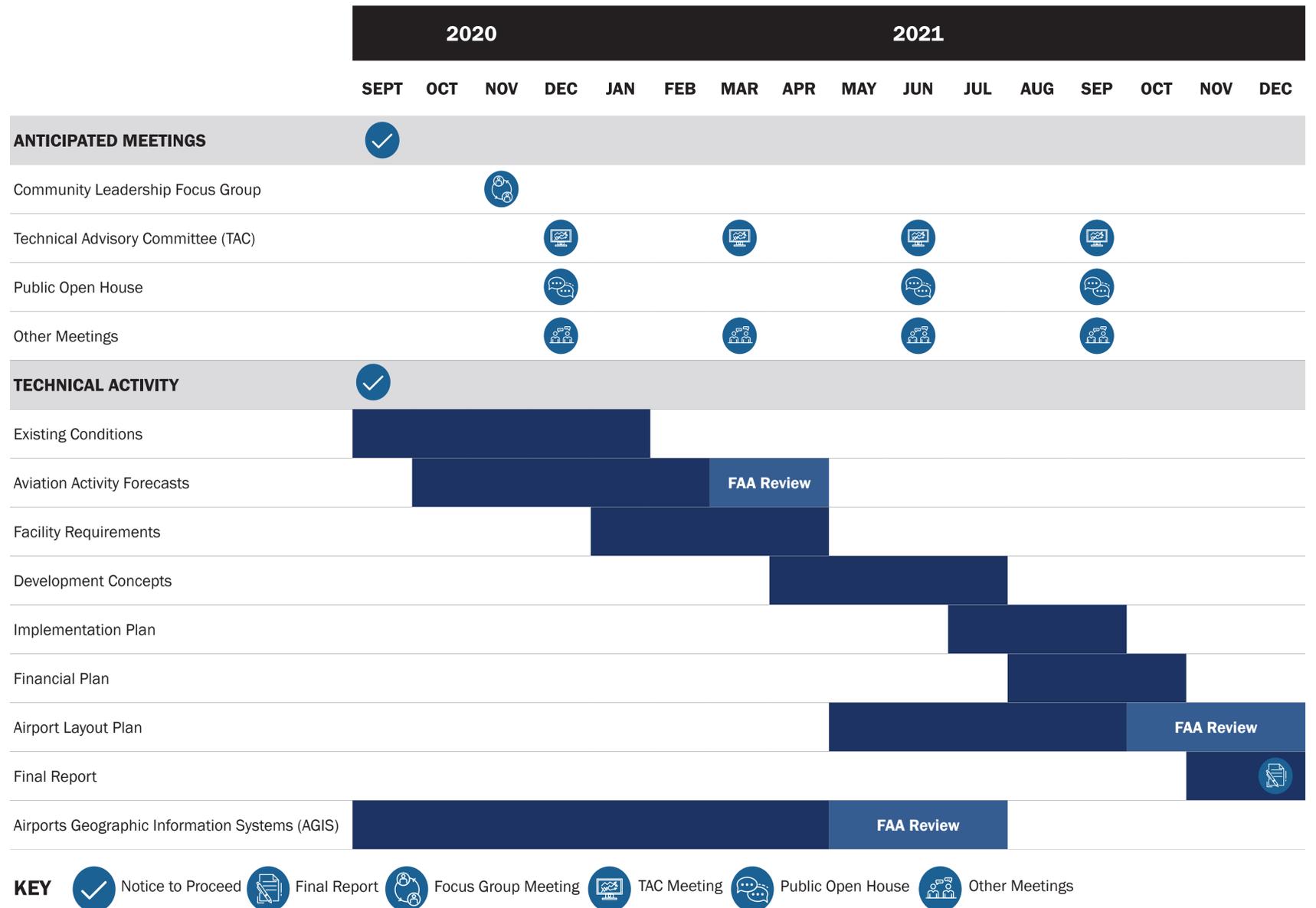
# MASTER PLAN DELIVERABLES AND SCHEDULE

## Master Plan Study Document

- Compilation of technical documentation
- Includes FAA approved activity forecast
- Accepted (not approved) by Federal Aviation Administration (FAA)
- Approved at local level

## Airport Layout Plan (ALP)

- Graphical representation of existing and future airport facilities (drawing set)
- Used by FAA to program future funding and monitor compliance with design standards
- Allows FAA to protect airspace for facility or aircraft approach procedure improvements
- Ensures development is consistent with design standards, safety requirements, and airport/community land use plans
- FAA approved ALP is required for issuance of federal grants



## MASTER PLAN DELIVERABLES AND SCHEDULE

### ● Airfield Requirements

1. Realign crosswind runway to meet wind coverage requirements
2. Address taxiway geometry issues
3. Optimize exit taxiway locations

### ● Terminal Area Requirements

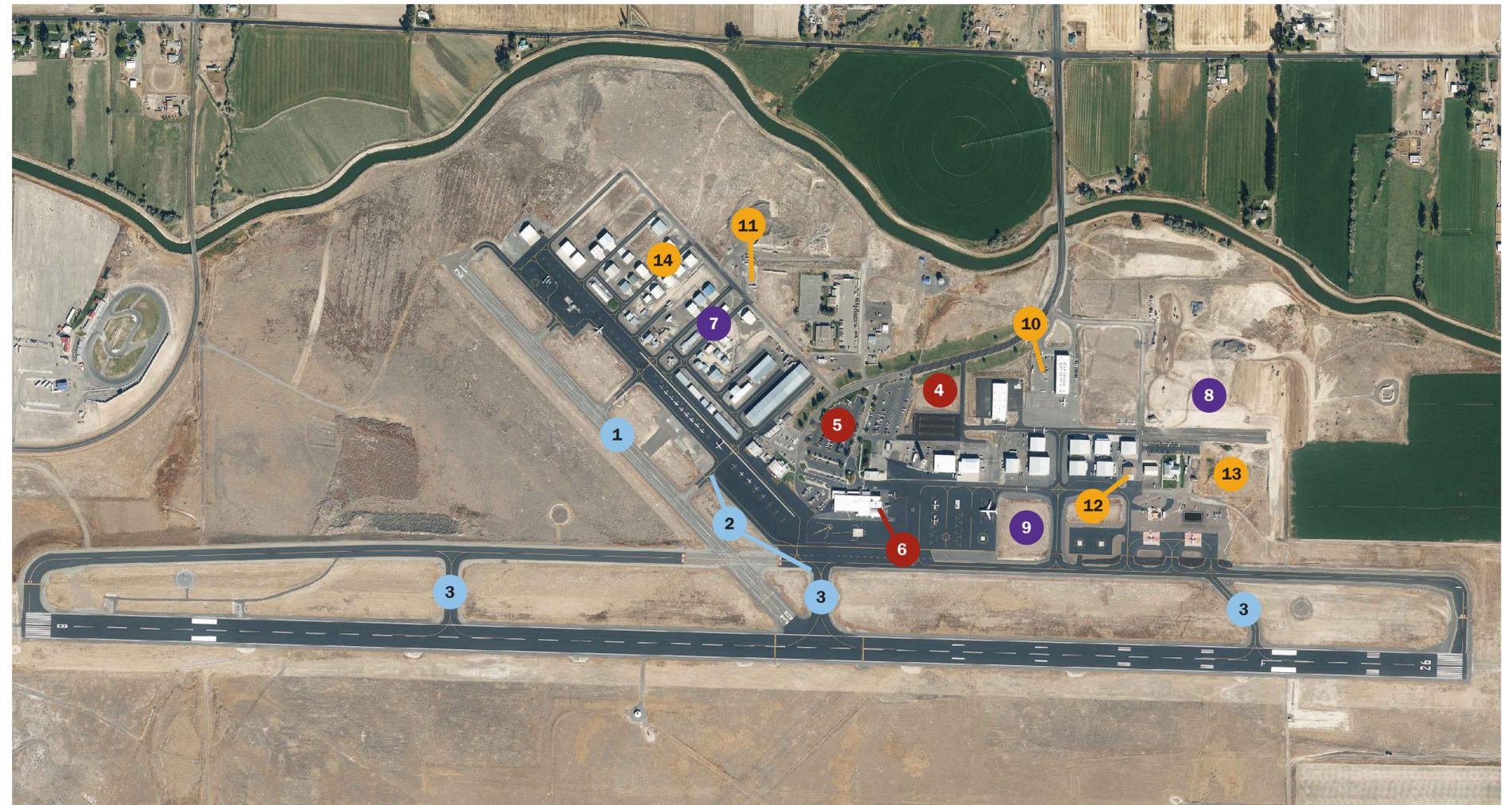
4. Identify/preserve areas for long-term parking expansion
5. Address parking and terminal curb requirements
6. Potential reallocation of interior space to maintain level of service

### ● General Aviation Facilities

7. Provide additional hangar and apron area in northwest area
8. Continue buildout of northeast area
9. Expansion of east general aviation apron

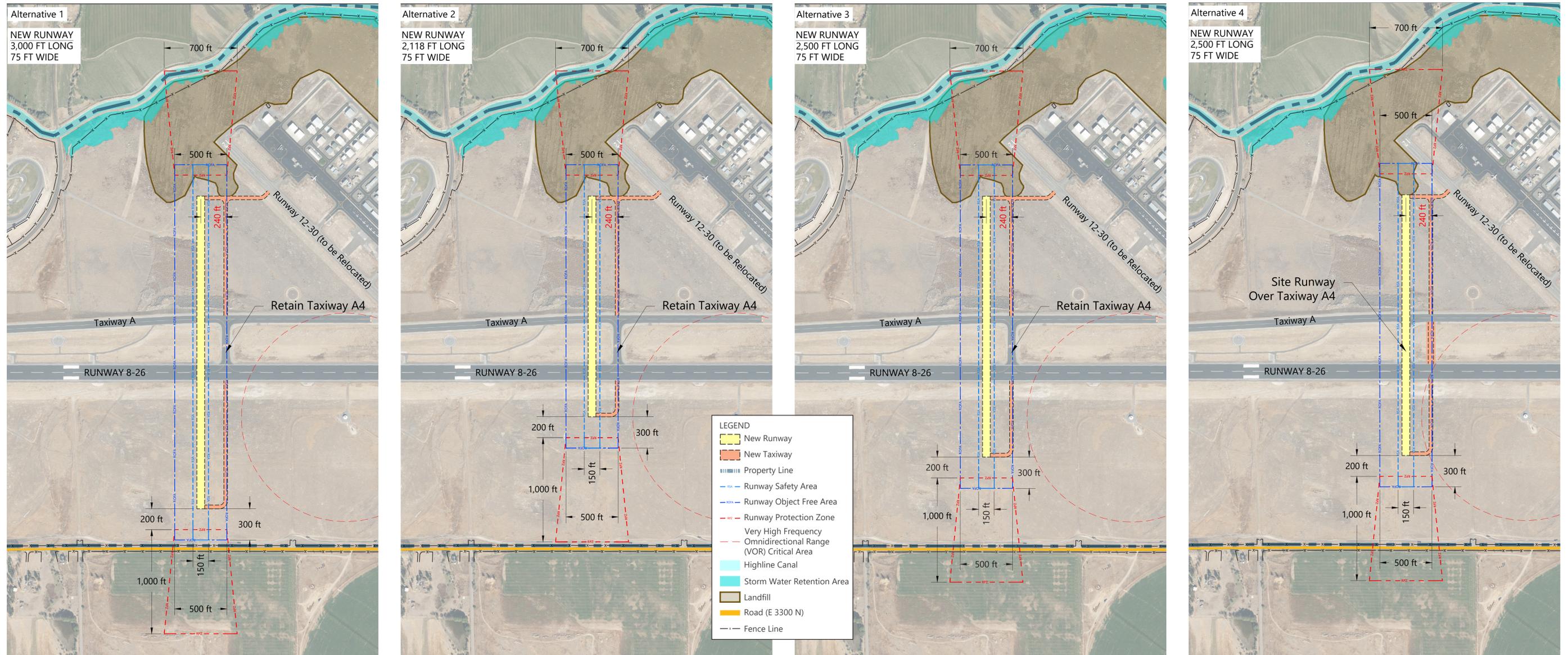
### ● Support Facilities

10. Preserve area for future cargo expansion
11. Identify/preserve areas for future fuel storage facilities
12. Relocate Airport Rescue and Fire Fighting (ARFF) facility
13. Preserve land for future expansion of BLM Fire Base
14. Provide natural gas connection to the airport; provide sewer service to northwest hangar area



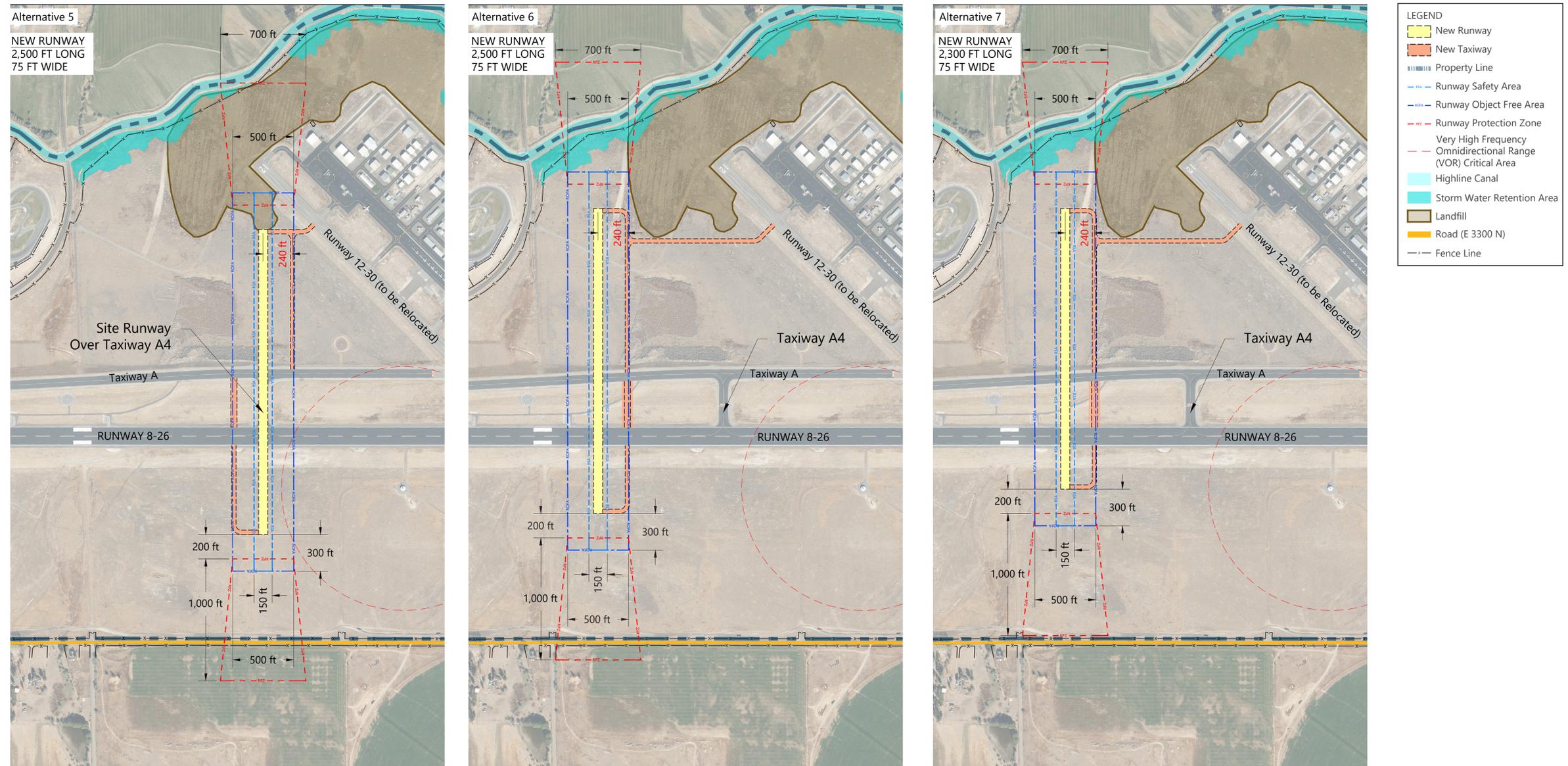
SOURCE: GeoTerra, Inc. October 2020 (aerial photography - for visual reference only, may not be to scale)

## CROSSWIND RUNWAY CONCEPTS



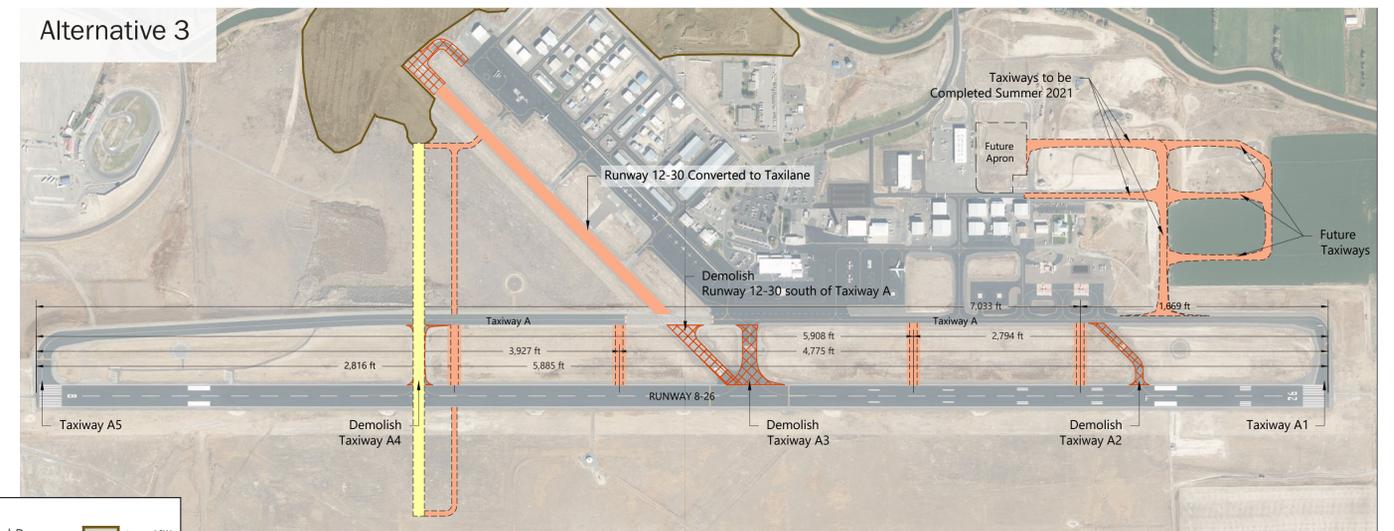
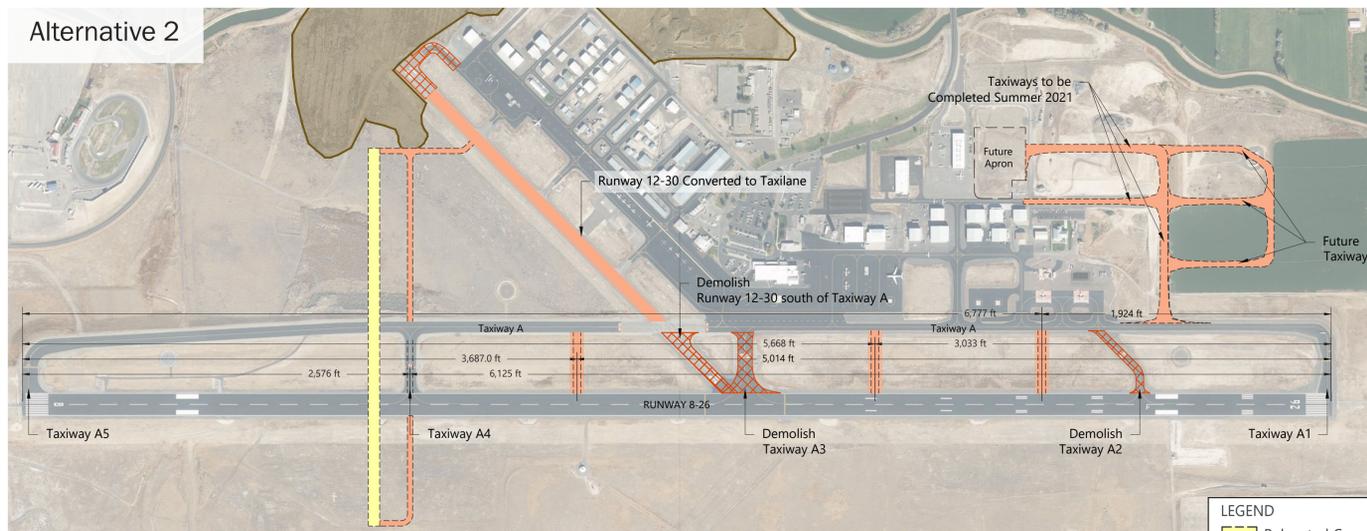
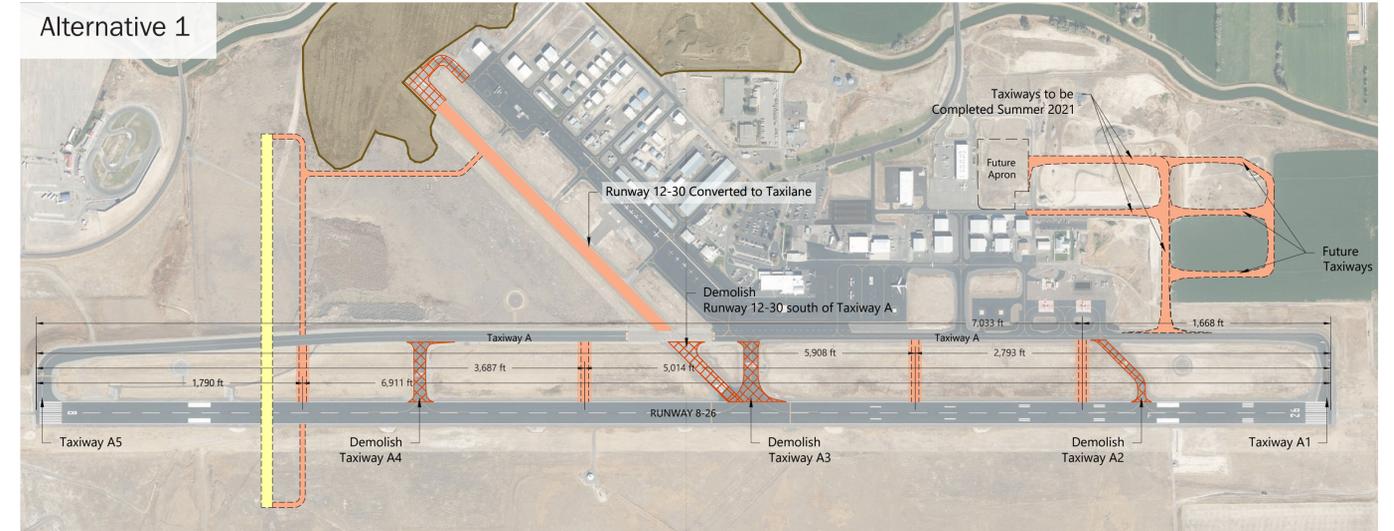
SOURCES: Ricondo & Associates, Inc., June 2021 (concepts); GeoTerra, Inc. October 2020 (aerial photography - for visual reference only, may not be to scale); GeoTerra, Inc. April 2021 (planimetric data).

## CROSSWIND RUNWAY CONCEPTS



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## TAXIWAY CONCEPTS



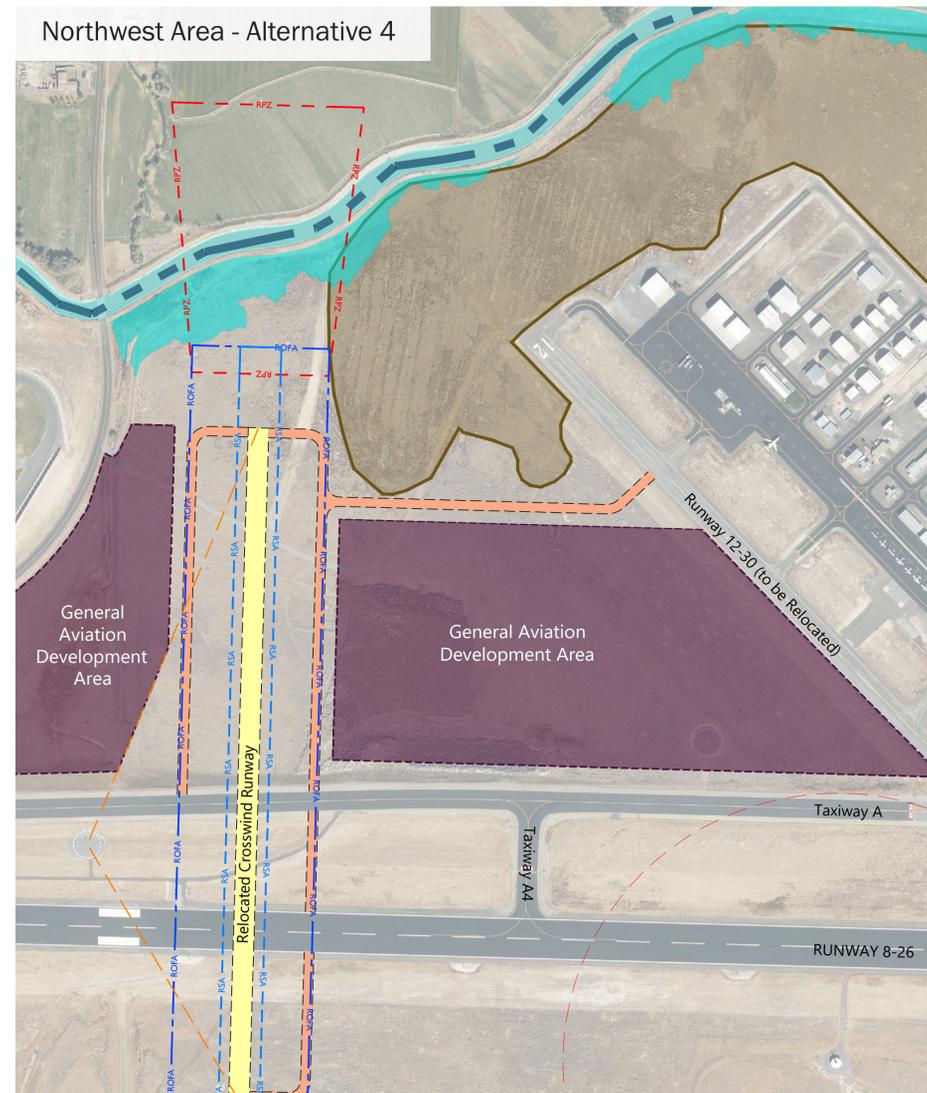
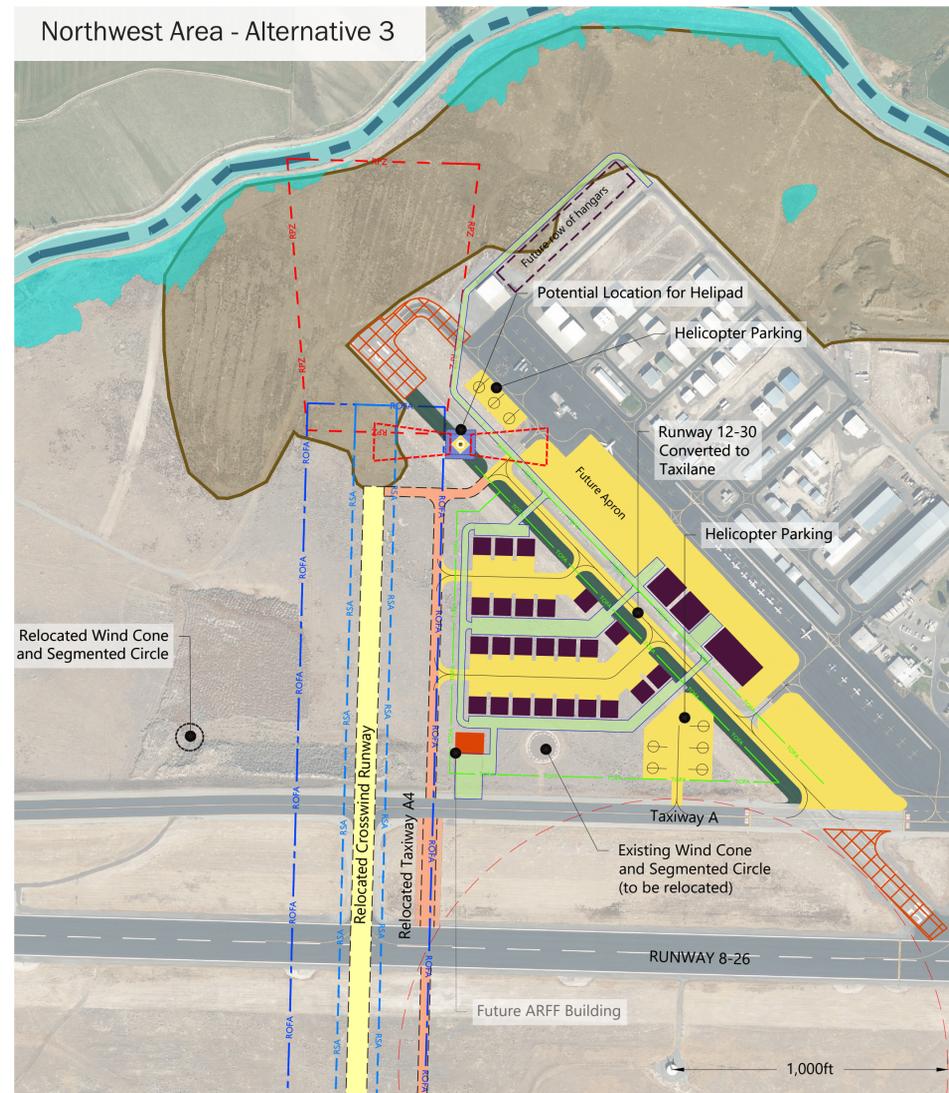
**LEGEND**

- Relocated Crosswind Runway
- New Taxiway
- Pavement Demolition
- Landfill

SOURCES: Ricondo & Associates, Inc., June 2021 (concepts); GeoTerra, Inc. October 2020 (aerial photography - for visual reference only, may not be to scale); GeoTerra, Inc. April 2021 (planimetric data).



## GENERAL AVIATION/SUPPORT FACILITY CONCEPTS

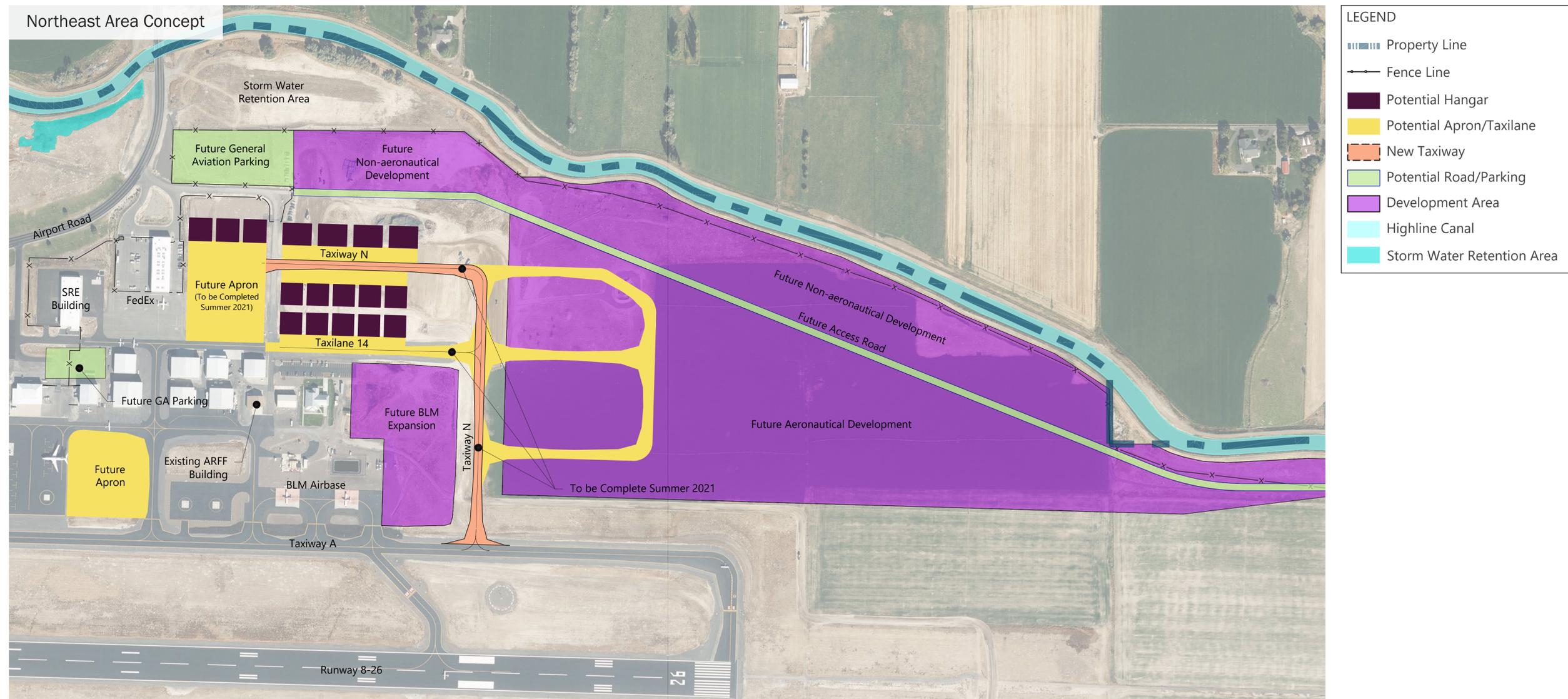


LEGEND

- Potential Hangar
- Potential Aircraft Rescue and Fire Fighting (ARFF) Station
- Potential Apron/Taxilane
- Potential Airside Road
- Potential Helipad
- New Runway
- New Taxiway
- Pavement Demolition
- Grass/Painted Pavement
- Property Line
- Runway Safety Area
- Runway Object Free Area
- Runway Protection Zone
- Taxiway/Taxilane Object Free Area
- Very High Frequency Omnidirectional Range (VOR) Critical Area
- Highline Canal
- Storm Water Retention Area
- Landfill

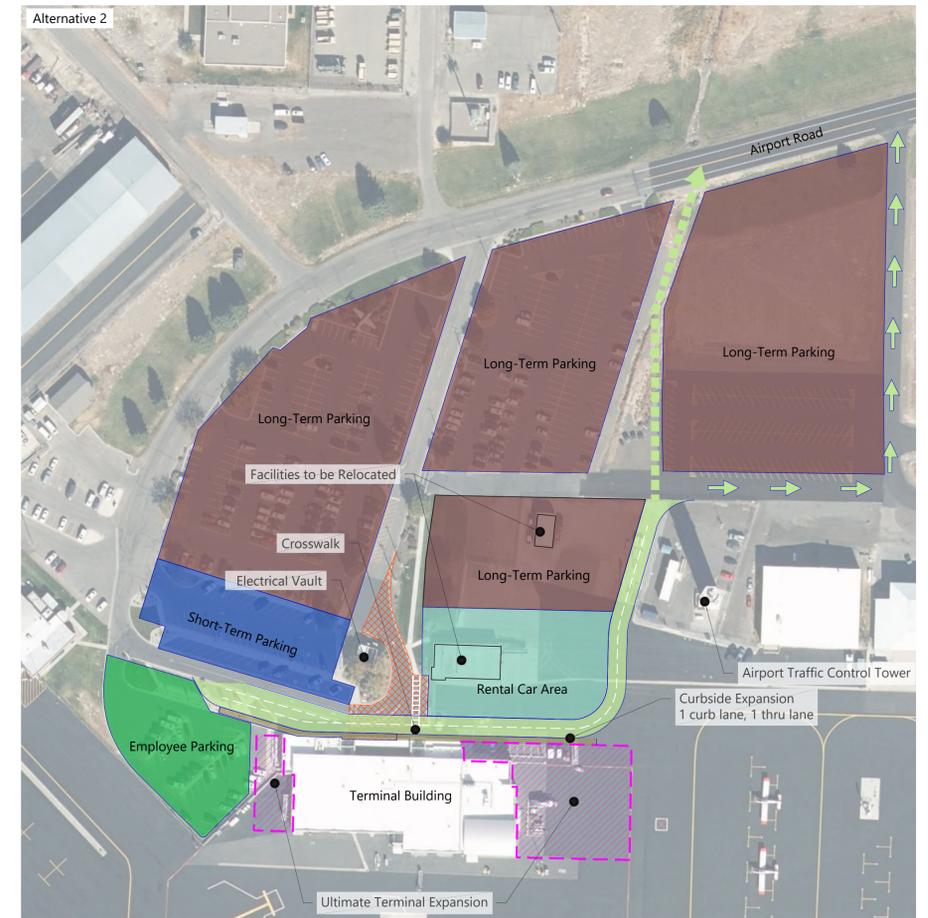
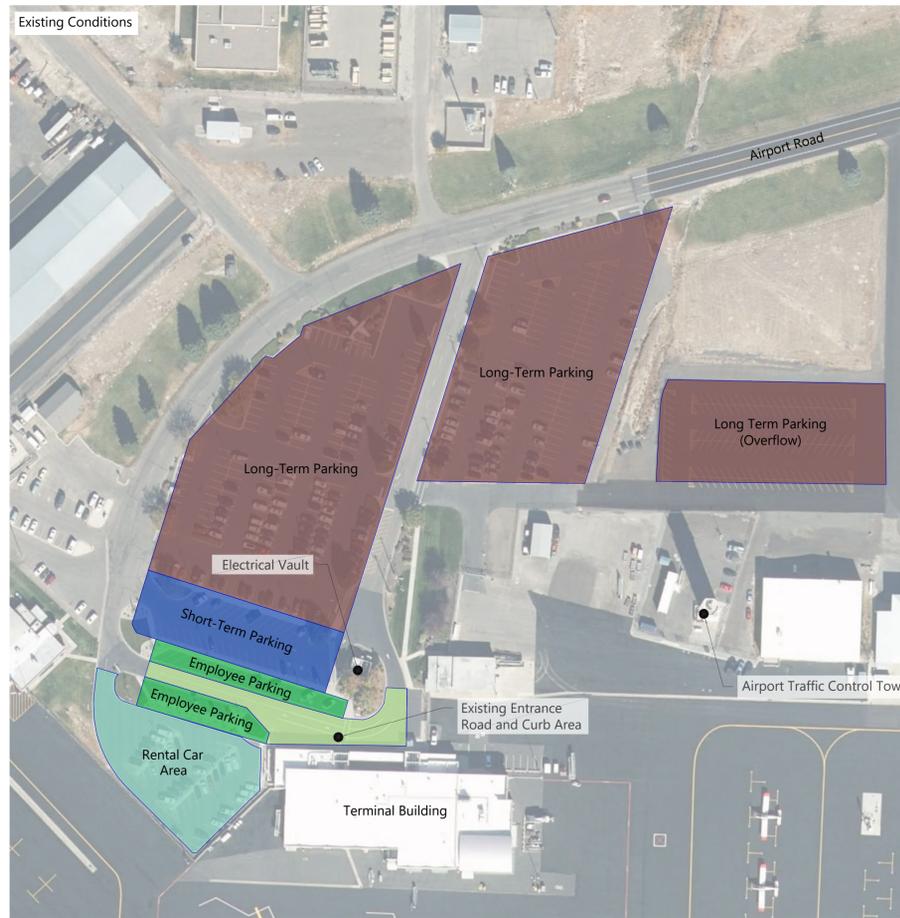
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## GENERAL AVIATION/SUPPORT FACILITY CONCEPTS



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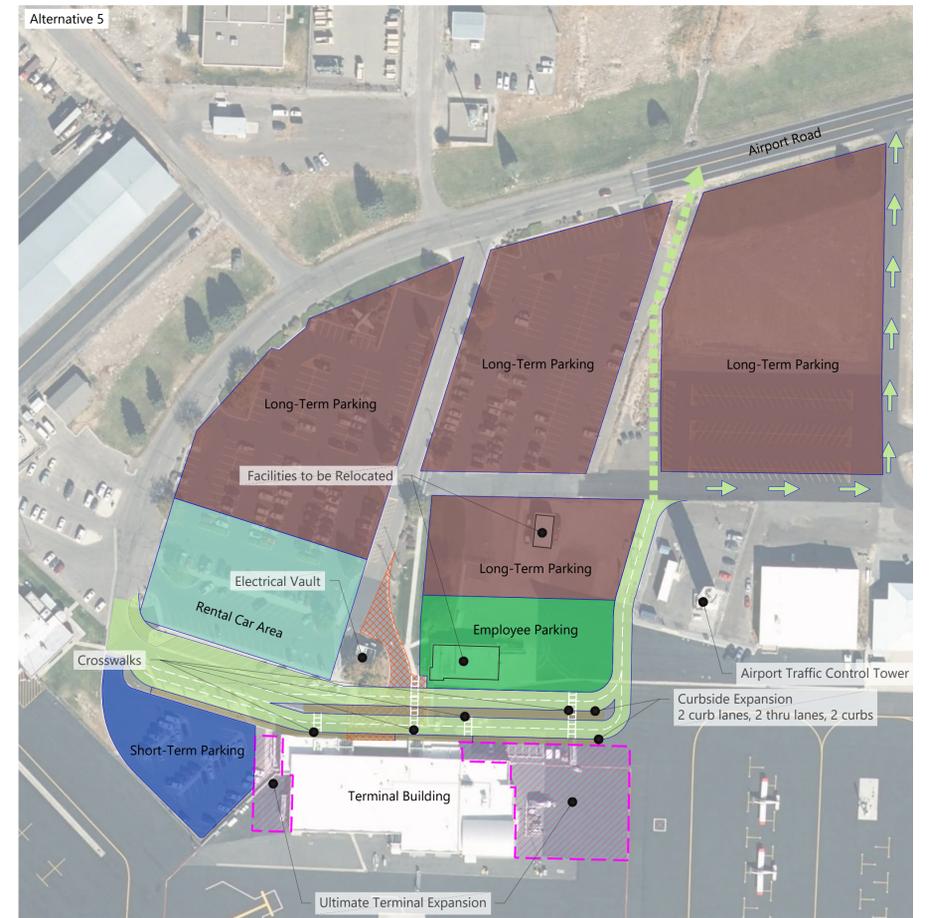
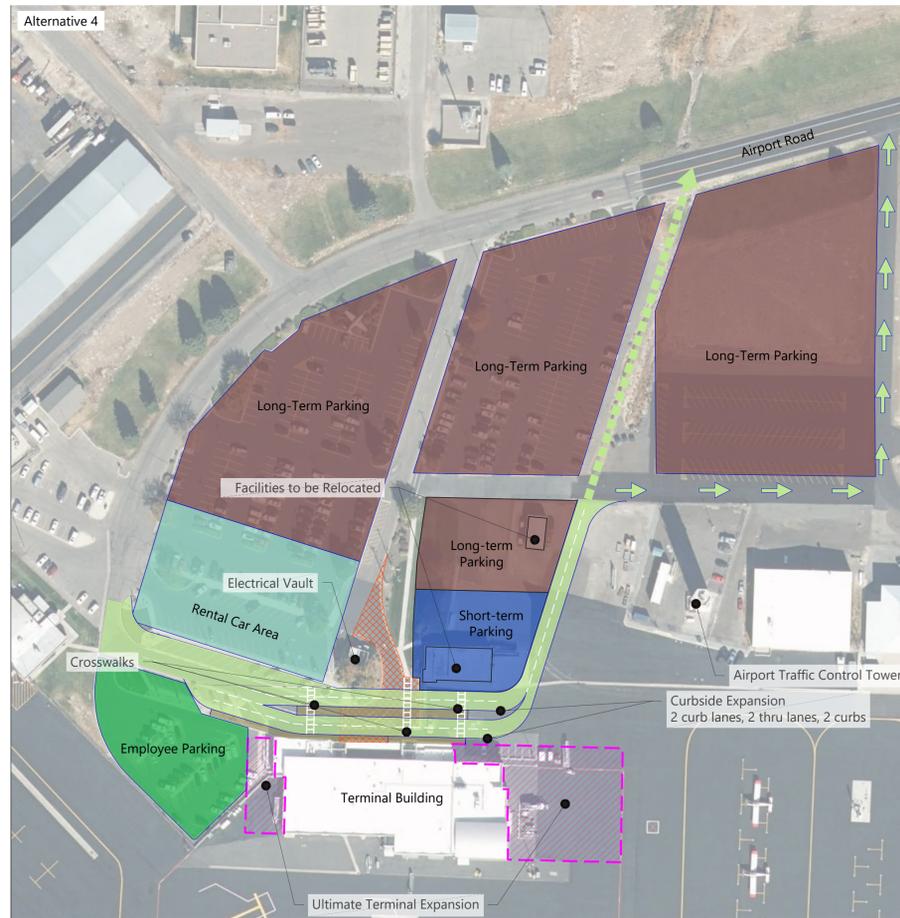
## TERMINAL AREA CONCEPTS



SOURCES: Ricondo & Associates, Inc. and J-U-B Engineers, Inc., June 2021 (concepts); GeoTerra, Inc. October 2020 (aerial photography - for visual reference only, may not be to scale); GeoTerra, Inc. April 2021 (planimetric data).

LEGEND	
	Long-term Parking
	Short-term Parking
	Roadway/Curb
	Rental Car Area
	Employee Parking
	Ultimate Terminal Expansion
	Pavement Removal/Demolition

## TERMINAL AREA CONCEPTS



SOURCES: Ricondo & Associates, Inc. and J-U-B Engineers, Inc., June 2021 (concepts); GeoTerra, Inc. October 2020 (aerial photography - for visual reference only, may not be to scale); GeoTerra, Inc. April 2021 (planimetric data).

LEGEND	
<span style="display:inline-block; width:15px; height:15px; background-color: #8B4513; border: 1px solid black;"></span> Long-term Parking	<span style="display:inline-block; width:15px; height:15px; background-color: #90EE90; border: 1px solid black;"></span> Roadway/Curb
<span style="display:inline-block; width:15px; height:15px; background-color: #4169E1; border: 1px solid black;"></span> Short-term Parking	<span style="display:inline-block; width:15px; height:15px; background-color: #FFD700; border: 1px solid black;"></span> Potential Apron
<span style="display:inline-block; width:15px; height:15px; background-color: #ADD8E6; border: 1px solid black;"></span> Rental Car Area	<span style="display:inline-block; width:15px; height:15px; border: 1px dashed pink;"></span> Ultimate Terminal Expansion
<span style="display:inline-block; width:15px; height:15px; background-color: #32CD32; border: 1px solid black;"></span> Employee Parking	<span style="display:inline-block; width:15px; height:15px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, orange 2px, orange 4px); border: 1px solid black;"></span> Pavement Removal/Demolition