

Agenda

- » Master Plan Overview
- » Aviation Demand Forecast Recap
- » Facility Requirements Recap
- » Development Alternatives
- » Comprehensive Development Plan
- » Next Steps



MASTER PLAN OVERVIEW







Master Plan Process



Inventory existing conditions

Facilities and equipment



Forecast aviation demand

Aircraft operations and based aircraft



Determine future facility requirements

- Airfield, navigational aids, and supporting facilities
- Aircraft parking/storage, access roads/parking, and utilities



Identify and evaluate development alternatives

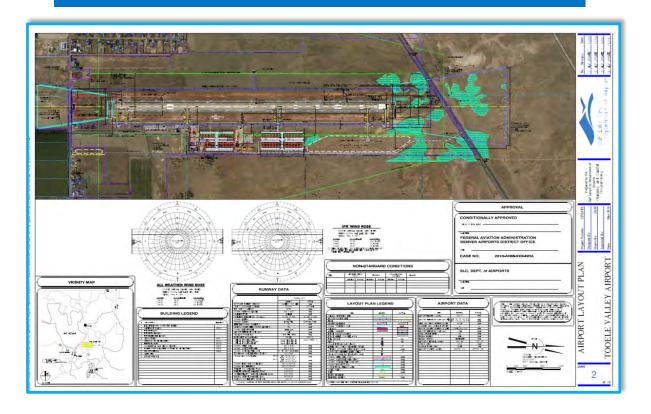
- Demand-driven solutions
- Financial feasibility



Master Plan Work Products

Airport Layout Plan:

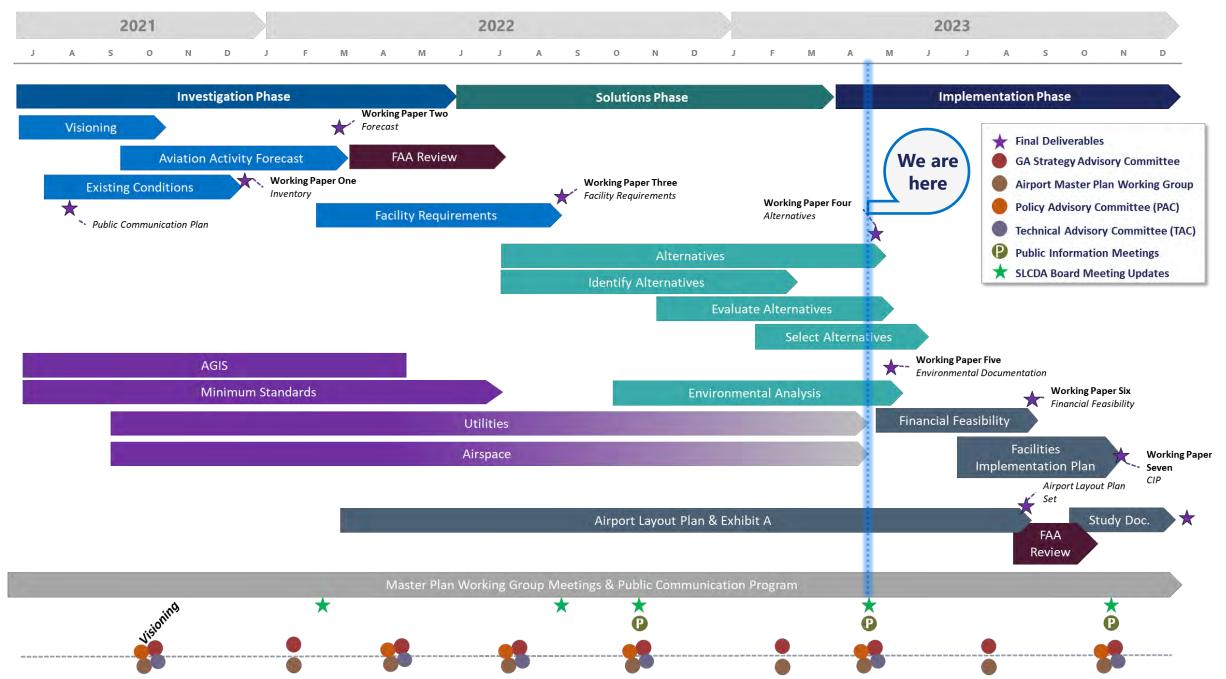
(Illustrates the plan)



Technical Report: (Documents the why and how)



Master Plan Schedule



AVIATION DEMAND FORECAST





The Forecast Projects...



Based aircraft



Operations



Critical aircraft



Northwest Mountain Region Colorado · Idaho · Montana · Oregon · Utah Washington · Wyoming

Denver Airports District Office 26805 E. 68th Ave., Suite 224 Denver, CO 80249

May 6, 2022

Sean C. Nelson, MM., C.M., Airport Planning Manager Salt Lake City Department of Airports P.O. Box 145550 Salt Lake City, Utah 84114-5550



Bolinder Field-Tooele Valley Airport Tooele, Utah AIP: 3-49-0048-018-2021 Forecast Approval

Dear Mr. Nelson:

The Federal Aviation Administration (FAA) reviewed forecast information for the subject airport. The forecast was received March 21, 2022. FAA approves the attached forecast. The FAA also approves the Beechcraft Super King Air for the existing and the Beechcraft Super King Air and the Cessna Citation X+ for the future critical aircraft. We found the forecast to be supported by reasonable planning assumptions and current data. Your forecast appears to be

The approval of the forecast and critical aircraft does not automatically constitute a commitment on the part of the United States to participate in any development recommended in the master plan or shown on the ALP. All future development will need to be justified by current activity levels at the time of proposed implementation. [See FAA Order 5100.38D, Airport Improvement Program, Paragraph 3-12, for ADO options.] Further, the approved forecasts may be subject to additional analysis or the FAA may request a sensitivity analysis if this data is to be used for environmental or Part 150 noise planning purposes.

Thank you,

Christy Yaffa Community Planner (UT/WY) FAA Denver Airports District Office





Planning Activity Levels

Forecast Year	Planning Activity Level (PAL)	Operations	Based Aircraft No Action	Based Aircraft High Growth
2020	Base Year	43,048	20	20
2025	PAL 1	44,820	21	33
2030	PAL 2	46,665	22	34
2040	PAL 3	50,585	24	37



- » Aircraft Approach Category (AAC)
 - What is the landing speed?

- » Airplane Design Group (ADG)
 - How much space does it take up?
 - Length? Wingspan? Tail height?

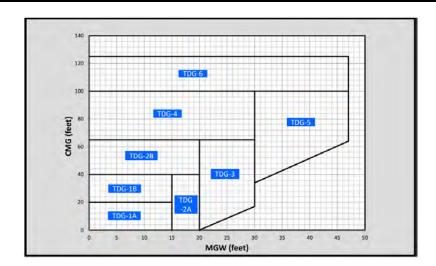
- » Taxiway Design Group (TDG)
 - Landing gear dimensions?
 - Required turning radius?



FAA AC 150/5300-13B, Airport Design

AAC	Approach Speed
Α	Approach speed less than 91 knots
В	Approach speed 91 knots or more but less than 121 knots
C	Approach speed 121 knots or more but less than 141 knots
D	Approach speed 141 knots or more but less than 166 knots
E	Approach speed 166 knots or more

Group #	Tail Height (ft)	Wingspan (ft)
I	< 20'	< 49'
II	20' - < 30'	49' - < 79'
III	30' - < 45'	49' - < 118'
IV	45' - < 60'	118' - < 171'
V	60' - < 66'	171' - < 214'
VI	66' - < 80'	214' - < 262'





Critical Aircraft Validated

	Critical Aircraft	AAC	ADG	TDG
Existing	Beechcraft Super King Air	В	II	2A
	Beechcraft Super King Air	В	II	2A
Future	Cessna Citation X+	C	II	1B
	Composite	C	II	2A



FACILITY REQUIREMENTS







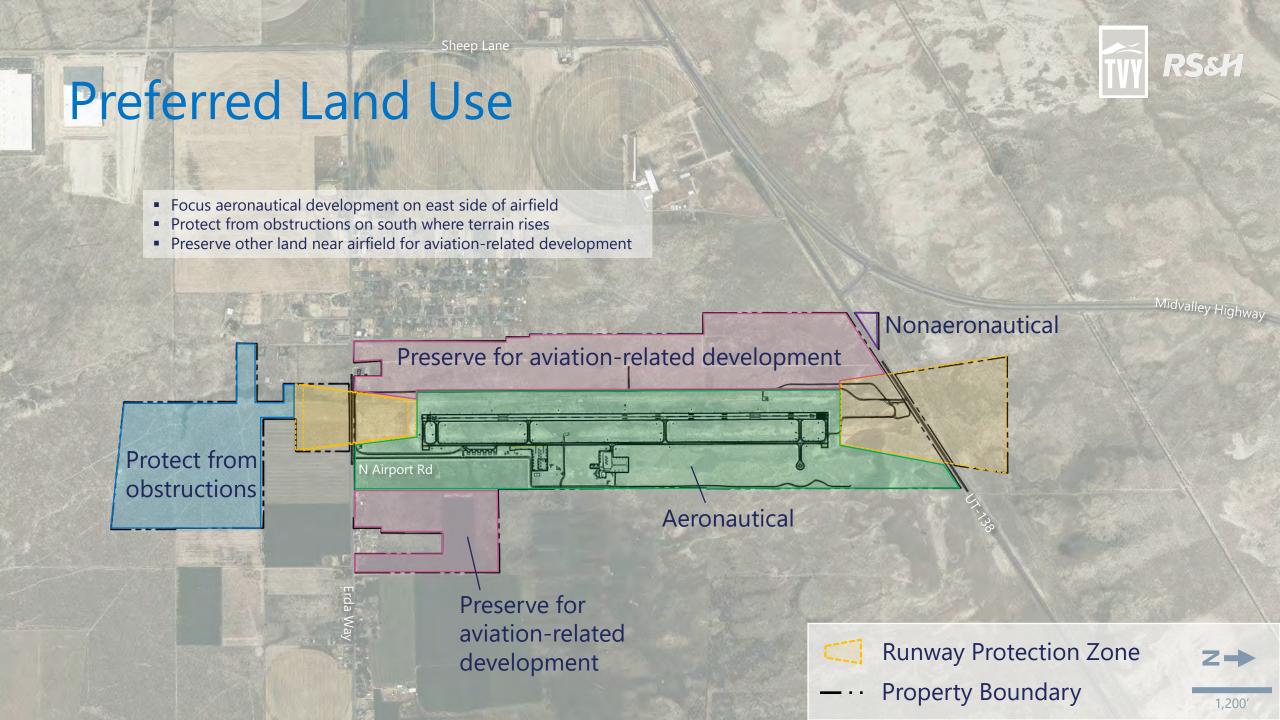
Facility Requirements Recap

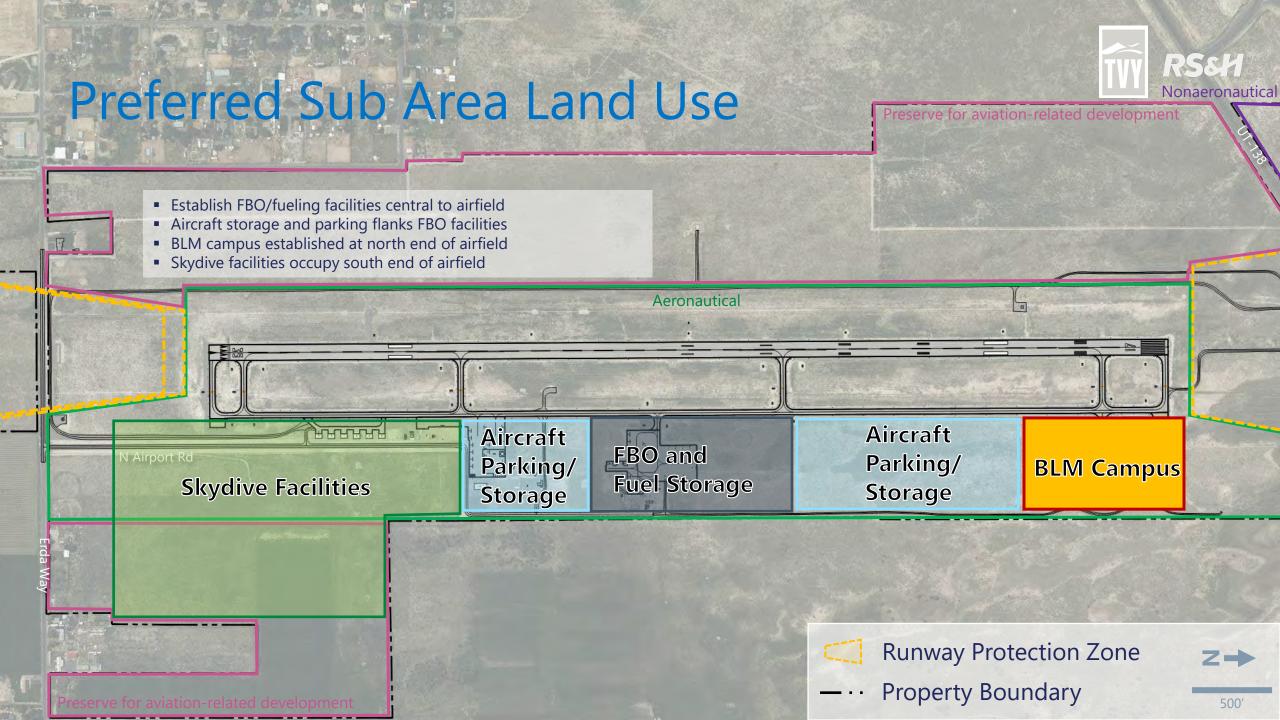
- » Bring utilities (water/sewer) to airport
- » Coordinate plans with future Midvalley highway extension
- » Correct airfield design standards and Part 77 penetration issues
- » Create plan that supports TVY role with system as reliever airport by:
 - » Meeting market demand Based/transient aircraft storage and parking
 - » Providing tenant/user services Fixed Base Operator, fueling facilities
 - » Considering future markets electric aircraft/vehicles, eVTOL/VTOL, AAM
 - » Supporting ultimate runway length for future critical aircraft Citation X
 - » Identifying support facilities Maintenance, equipment storage, administration
 - » Maintaining/enhancing navigational aids and flight procedures

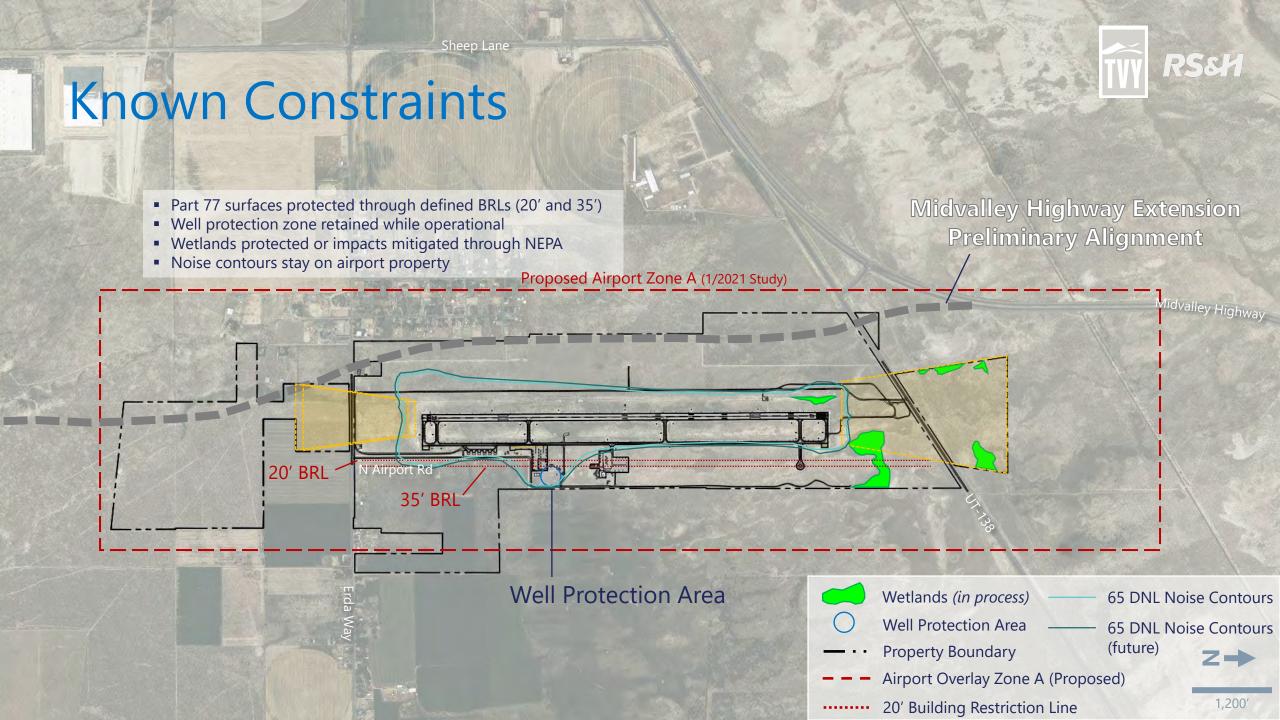
ALTERNATIVES

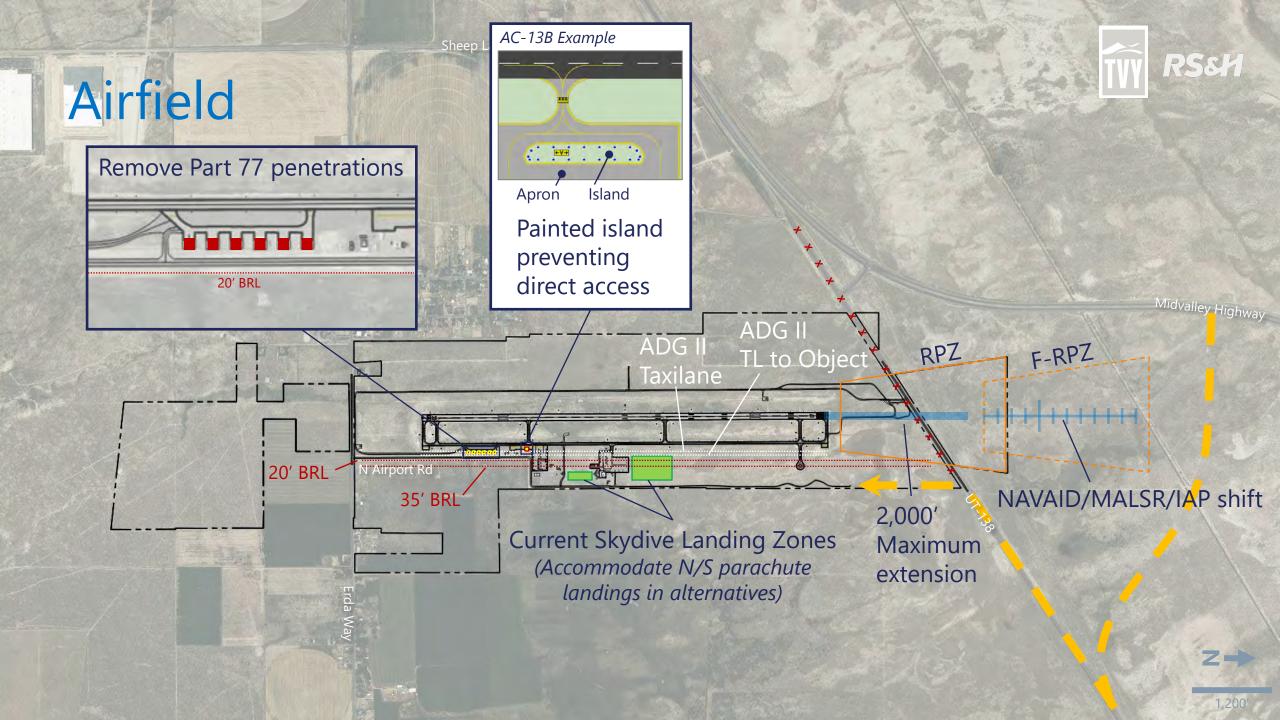










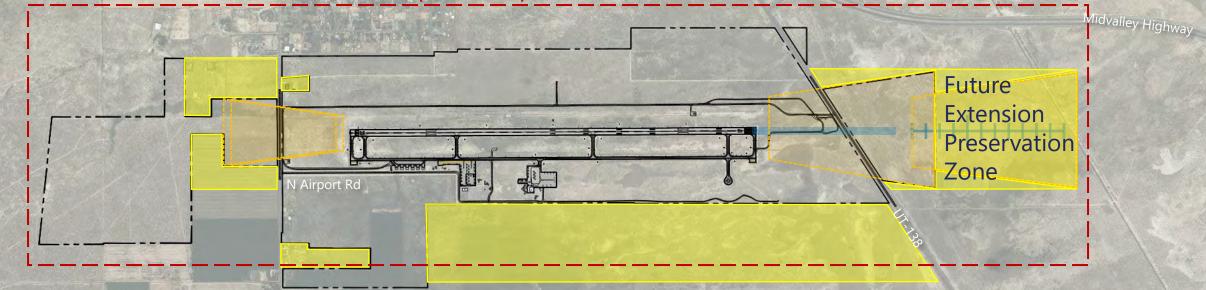




Land Acquisition/Easement (Recommended)

- Recommended parcels for acquisition/easement to protect airport utility
- Strategic acquisitions/easements can enable meeting future demand needs

Proposed Airport Zone A (1/2021 Study)



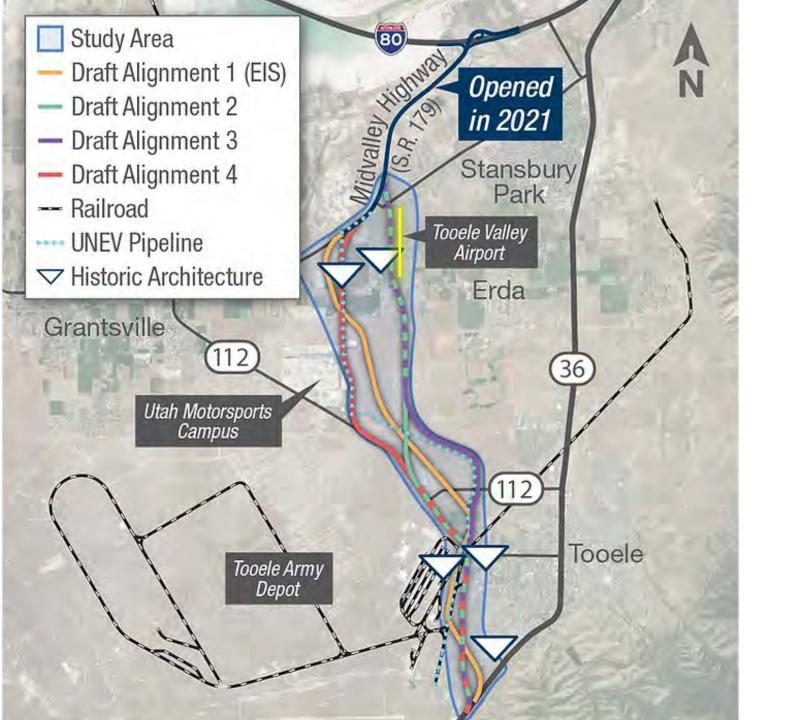
Strategic Land/Easement Acquisition



─ Property Boundary







DRAFT ALIGNMENT 1 (EIS)

This alignment was recommended by the original environmental impact statement (EIS).

- Heavy conflict with UNEV pipeline (high-pressure petroleum line with 50' easement)
- Impacts Tooele Army Depot, Tooele County landfill, and planned development, including Lakeview Business Park
- Double track rail crossing;
 1 mile parallel alignment with UPRR; conflicts with future rail expansion

DRAFT ALIGNMENT 2

 Utilizes open space between airport and historic architecture

- Medium conflict with UNEV pipeline (high-pressure petroleum line with 50' easement)
- · Single track rail crossing

May conflict with existing/future Runway 35 RPZ

DRAFT ALIGNMENT 3

Modifies draft alignment 2 to shift to the east.

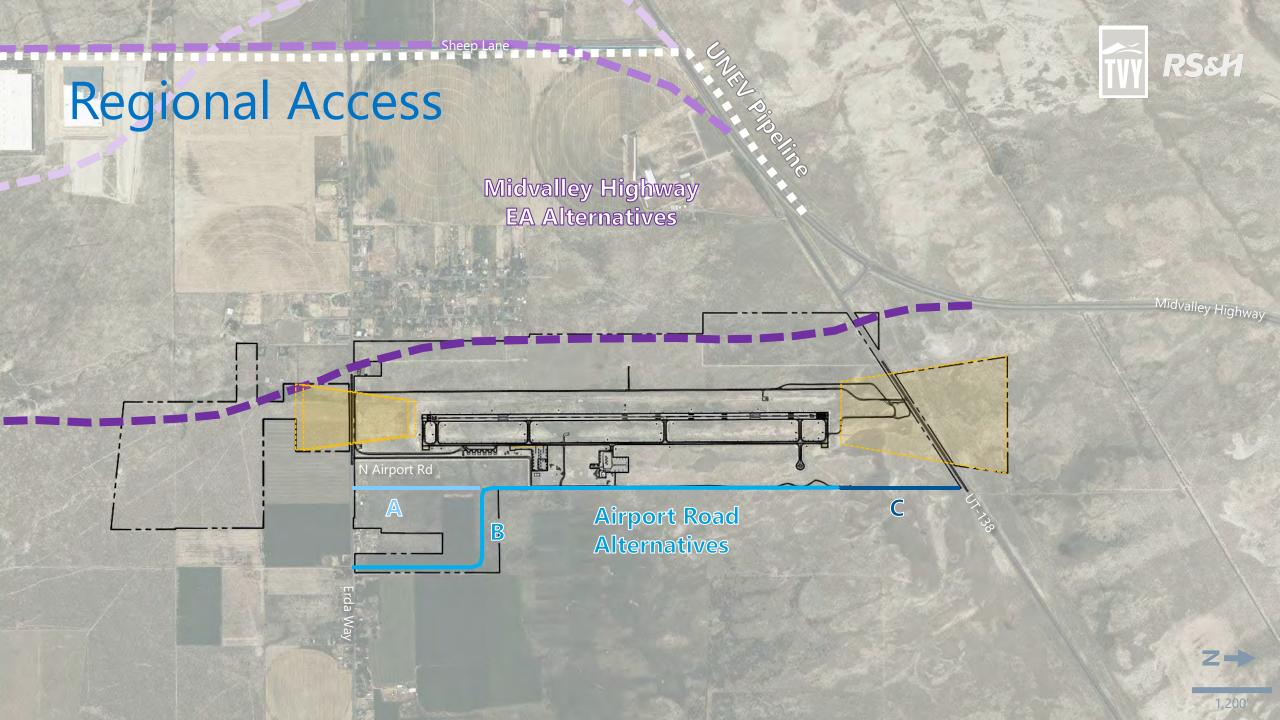
- Utilizes open space between airport and historic architecture
- . Avoids majority of UNEV pipeline
- · Avoids Tooele County landfill
- · Single track rail crossing

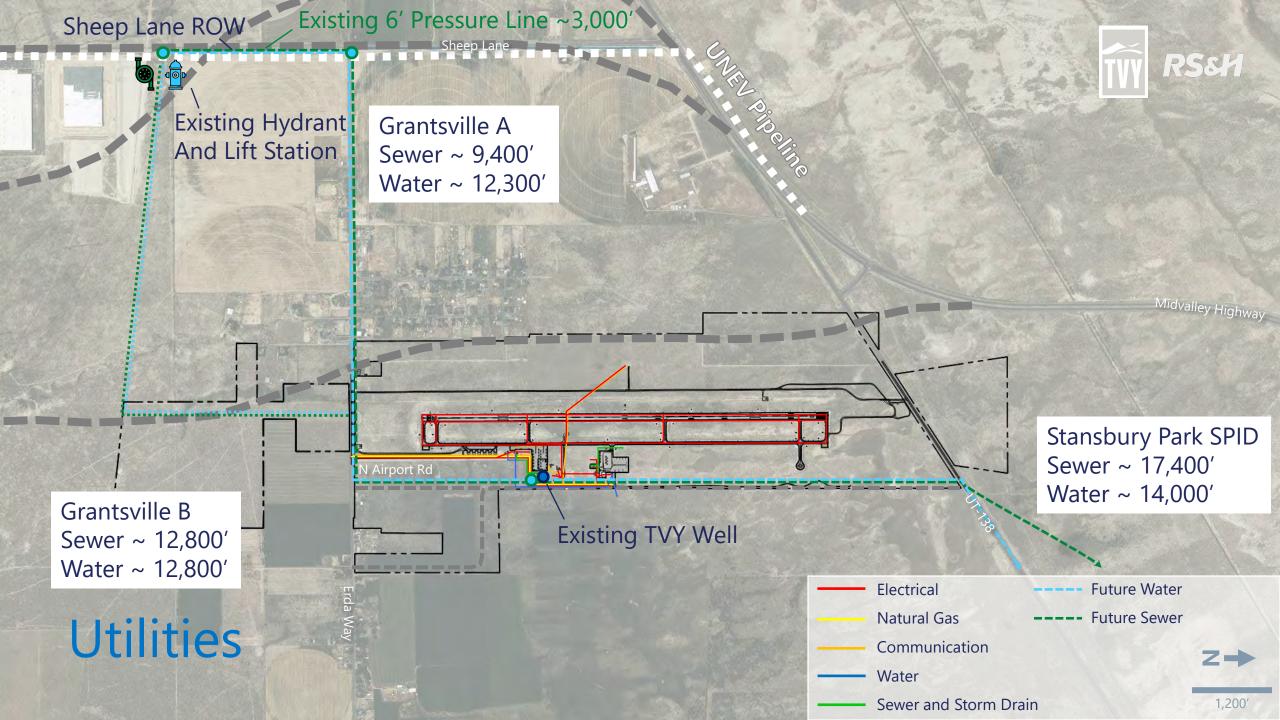
May conflict with existing/future Runway 35 RPZ

DRAFT ALIGNMENT 4 (SHEEP LANE)

This alignment was developed based on public feedback and is an extension from Sheep Lane, utilizing the existing corridor.

- Utilizes existing infrastructure (Sheep Lane is a local road, not a state road)
- Impacts historical architecture, planned development, Utah Motorsports Campus
- Heavy conflict with UNEV pipeline (high-pressure petroleum line with 50' easement)
- Single track rail crossing; conflicts with future rail expansion





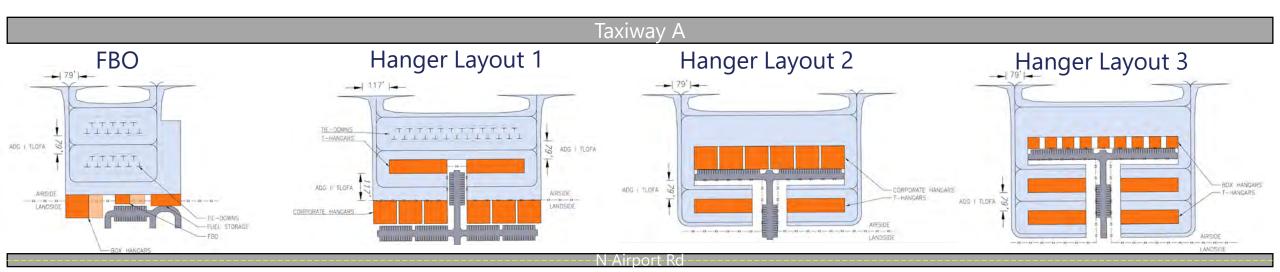


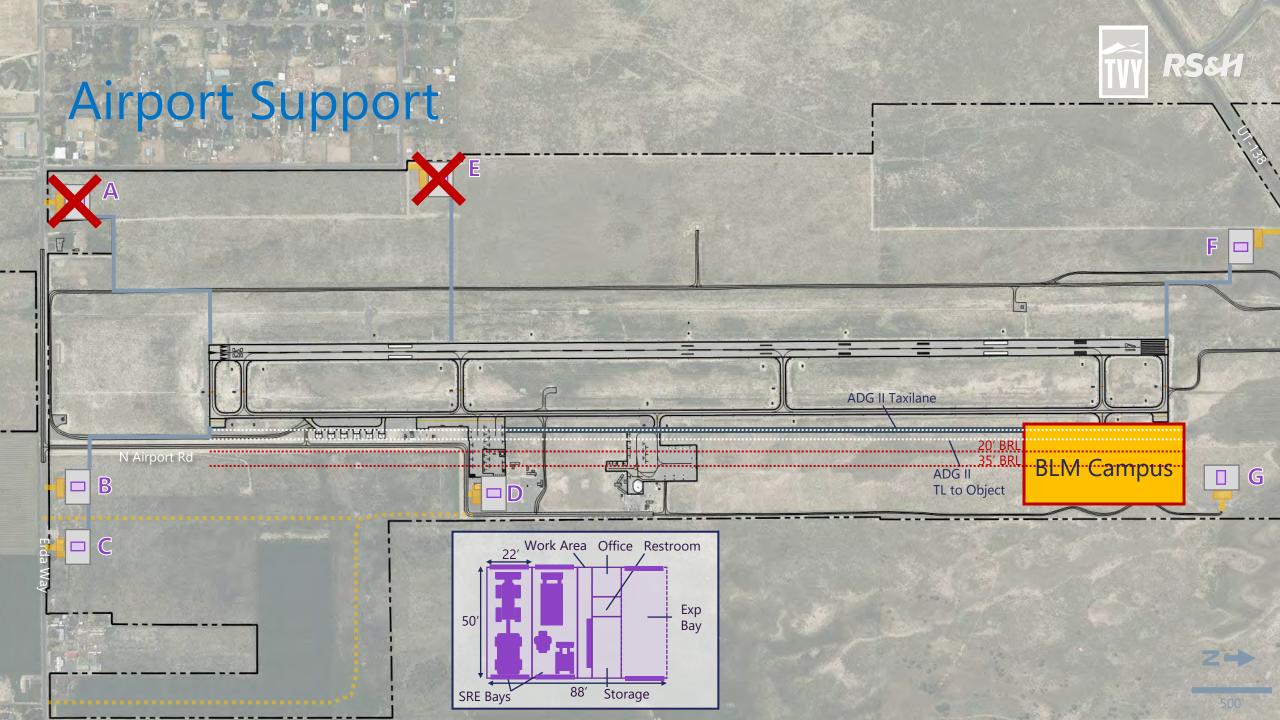
Aircraft Storage and Tenants

- » ADG I and II Taxiway/Taxilane
- » Near-term focus on T-hangars and small boxes
- » Long-term flexibility to allow larger hangar development

LEGEND				
DESCRIPTION	INTERIM			
AIRSIDE PAVEMENT				
LANDSIDE PAVEMENT				
FENCE	— xx — xx —			
BUILDINGS				

Runway 17-35





Support Facility Alternatives Evaluation

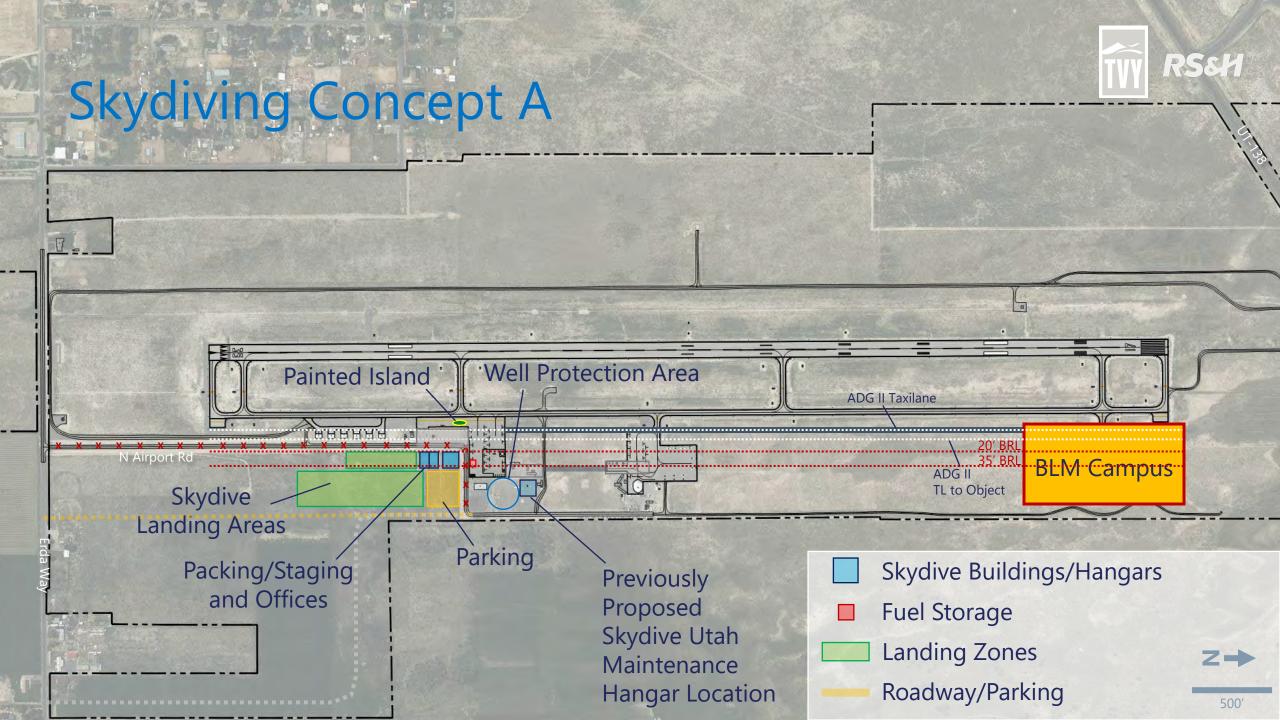
Evaluation Criteria	В	С	D	F	G
Safety					
Operational Efficiency					
FAA Design Standards					
Resolves Current Issues					
Meets Long-Term Needs					
Quality Level of Service					
Ease of Implementation					
Cost to Implement					
Flexible/Future Expansion					
EONS Impact					
Support Sustainability Principles					

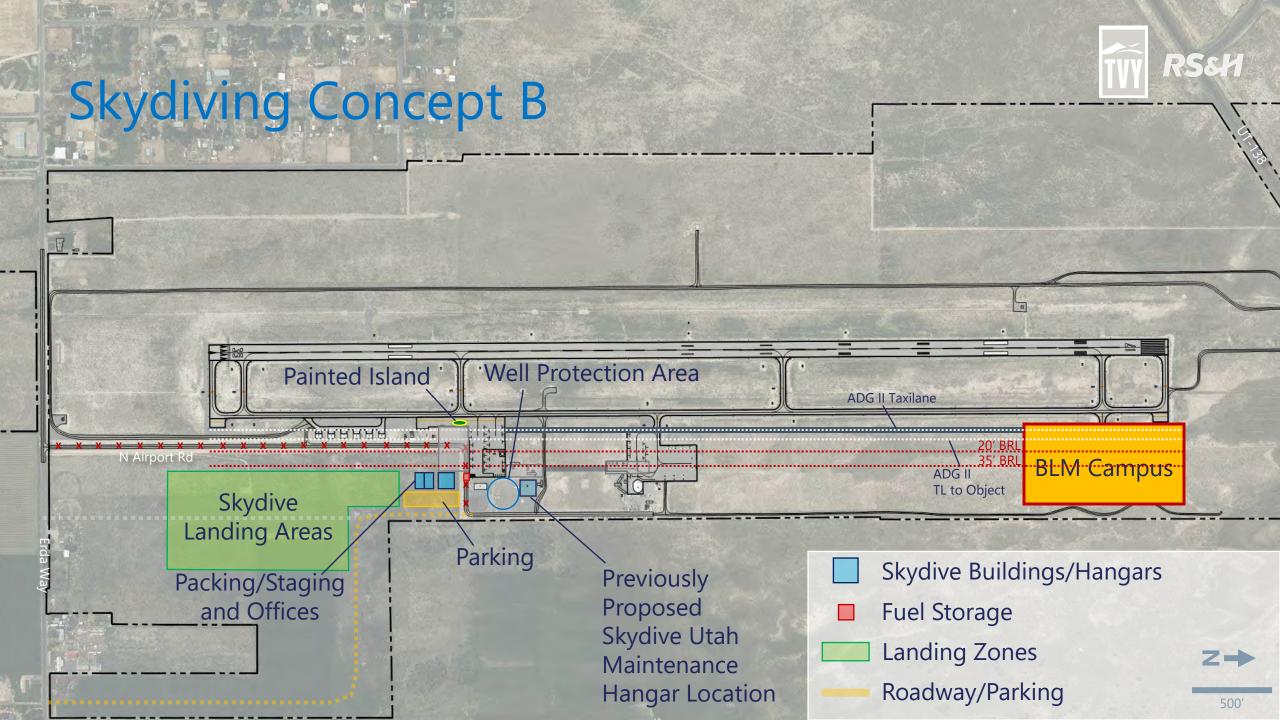


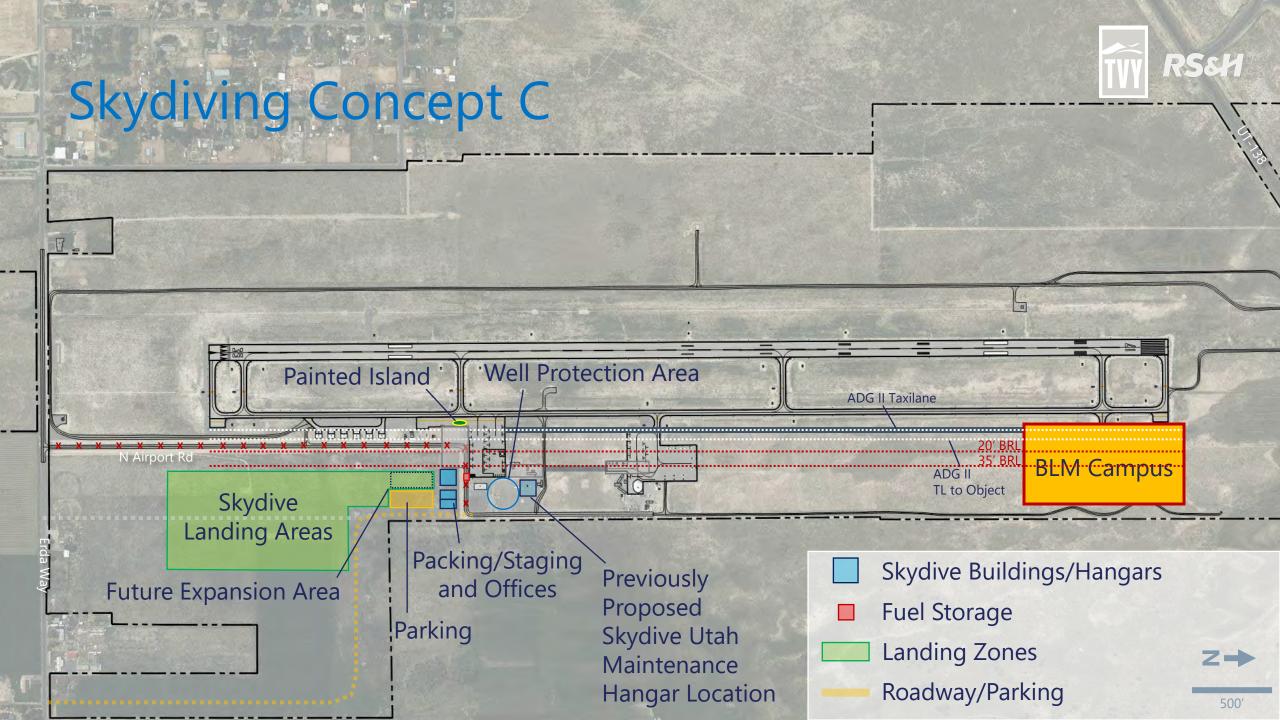














Skydiving Facilities Alternatives Evaluation

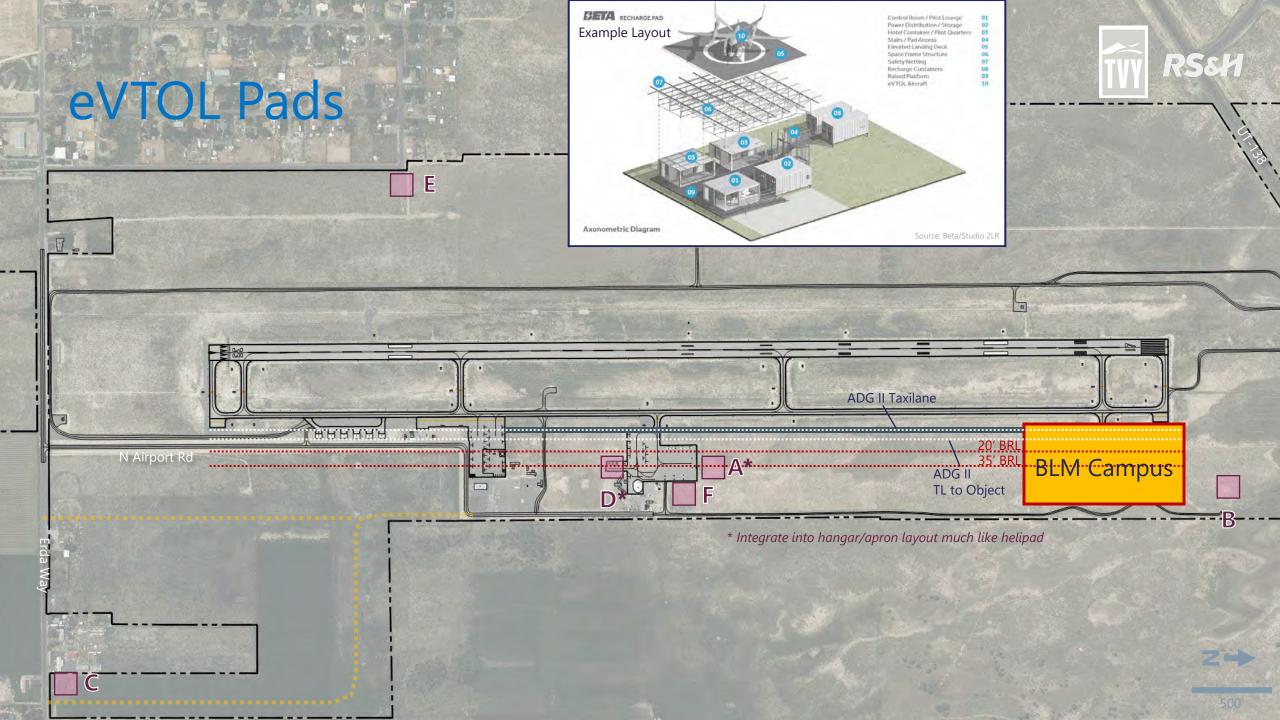
Evaluation Criteria	Α	В	С
Safety			
Operational Efficiency			
FAA Design Standards			
Resolves Current Issues			
Meets Long-Term Needs			
Quality Level of Service			
Ease of Implementation			
Cost to Implement			
Flexible/Future Expansion			
EONS Impact			
Support Sustainability Principles			

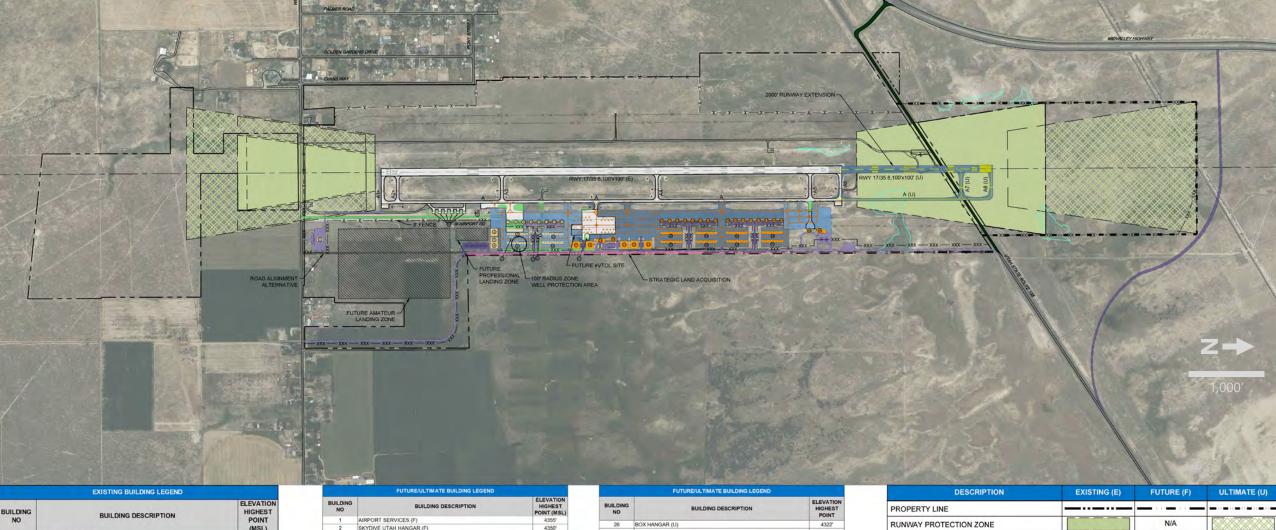
<u>Legend</u>

Good

Fair

Poor





EXISTING BUILDING LEGEND				
BUILDING NO	BUILDING DESCRIPTION	ELEVATION HIGHEST POINT (MSL)		
Α	EXECUTIVE HANGARS	4331.0'		
В	RESTROOMS	4322.3'		
C	MAINTENANCE BUILDING	4,328.4'		
D	ELECTRICAL VAULT	4315.3'		
E	NONDIRECTIONAL RADIO BEACON	4315.9'		
F	HANGAR	4324 8		

NOTE: ALL ELEVATIONS ARE EXPRESSED IN FEET ABOVE MEAN SEA LEVEL (MSL).

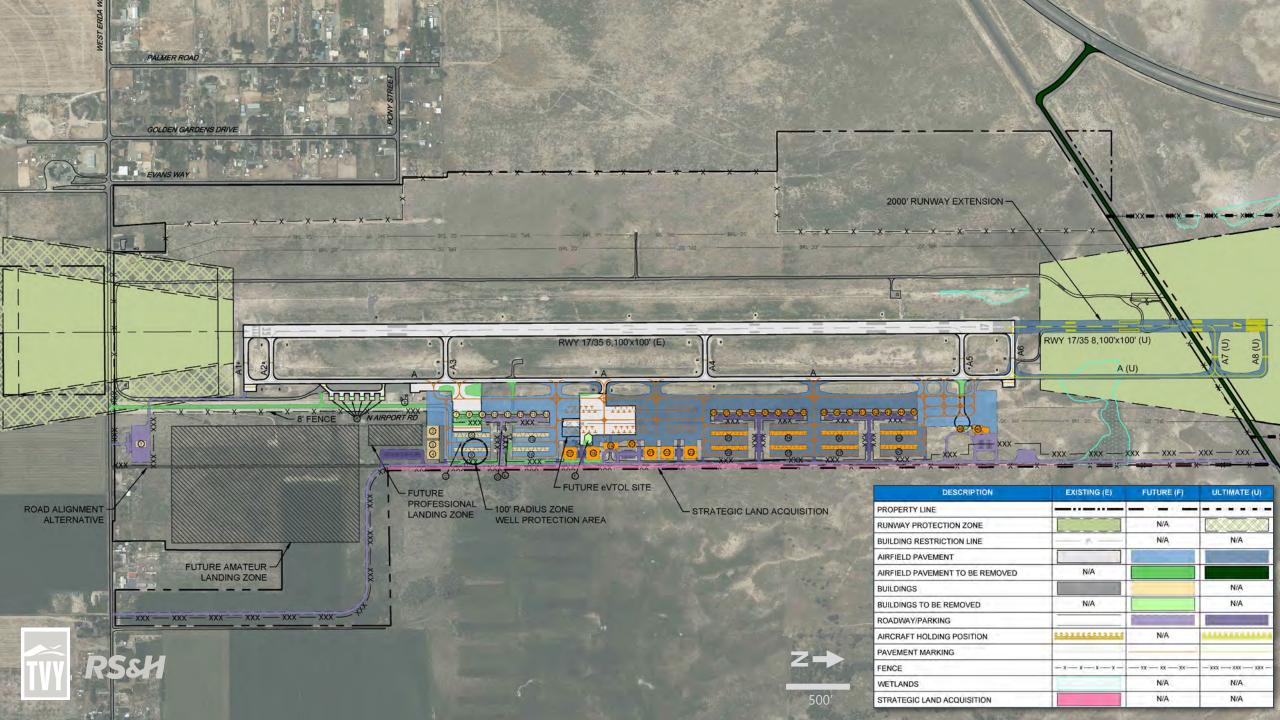


FUTURE/ULTIMATE BUILDING LEGEND				
BUILDING NO	BUILDING DESCRIPTION	ELEVATION HIGHEST POINT (MSL		
1	AIRPORT SERVICES (F)	4355"		
2	SKYDIVE UTAH HANGAR (F)	4350°		
3	SKYDIVE UTAH OPERATIONS (F)	4335"		
4	SKYDIVE UTAH OPERATIONS (F)	4335"		
5	NESTED T-HANGARS (F)	4333"		
6	NESTED T-HANGARS (F)	4333"		
7	BOX HANGAR (F)	4338"		
8	BOX HANGAR (F)	4338"		
9	BOX HANGAR (F)	4336"		
10	BOX HANGAR (F)	4336"		
11	BOX HANGAR (F)	4334"		
12	BOX HANGAR (F)	4332"		
13	BOX HANGAR (F)	4330"		
14	BOX HANGAR (F)	4330"		
15	NESTED T-HANGARS (F)	4327		
16	NESTED T-HANGARS (F)	4327		
17	CORPORATE HANGAR (U)	4340°		
18	CORPORATE HANGAR (U)	4340"		
19	FBO TANKS (U)	4340"		
20	FBO TERMINAL (U)	4323"		
21	CORPORATE HANGAR (U)	4336"		
22	CORPORATE HANGAR (U)	4336"		
23	CORPORATE HANGAR (U)	4336"		
24	NESTED T-HANGARS (U)	4317		
25	NESTED T-HANGARS (U)	4317"		

BUILDING NO	BUILDING DESCRIPTION	ELEVATION HIGHEST POINT	
26	BOX HANGAR (U)	4322	
27	BOX HANGAR (U)	4322	
28	BOX HANGAR (U)	4322	
29	BOX HANGAR (U)	4320*	
30	BOX HANGAR (U)	4318"	
31	BOX HANGAR (U)	4316*	
32	BOX HANGAR (U)	4316	
33	BOX HANGAR (U)	4311'	
34	NESTED T-HANGARS (U)	4313	
35	NESTED T-HANGARS (U)	4315	
36	NESTED T-HANGARS (U)	4311'	
37	NESTED T-HANGARS (U)	4311'	
38	BOX HANGAR (U)	4314"	
39	BOX HANGAR (U)	4314"	
40	BOX HANGAR (U)	4314"	
41	BOX HANGAR (U)	4312	
42	BOX HANGAR (U)	4312	
43	BOX HANGAR (U)	4312	
44	BOX HANGAR (U)	4310"	
45	BOX HANGAR (U)	4310*	
46	NESTED T-HANGARS (U)	4307	
47	NESTED T-HANGARS (U)	4307	
48	BUREAU OF LAND MANAGEMENT RETARDANT TANK FARM (U)	4306	
49	BUREAU OF LAND MANAGEMENT OPERATIONS (U)	4303	

DESCRIPTION	EXISTING (E)	FUTURE (F)	ULTIMATE (U)
ROPERTY LINE			
UNWAY PROTECTION ZONE		N/A	
UILDING RESTRICTION LINE	BR	N/A	N/A
IRFIELD PAVEMENT			
IRFIELD PAVEMENT TO BE REMOVED	N/A		
UILDINGS			
UILDINGS TO BE REMOVED	N/A		N/A
OADWAY/PARKING			
IRCRAFT HOLDING POSITION		N/A	**********
AVEMENT MARKING	-		-
ENCE	_x_x_x_x	— xx — xx — xx —	— — xxx — xxx — xxx —
VETLANDS		N/A	N/A
TRATEGIC LAND ACQUISITION		N/A	N/A

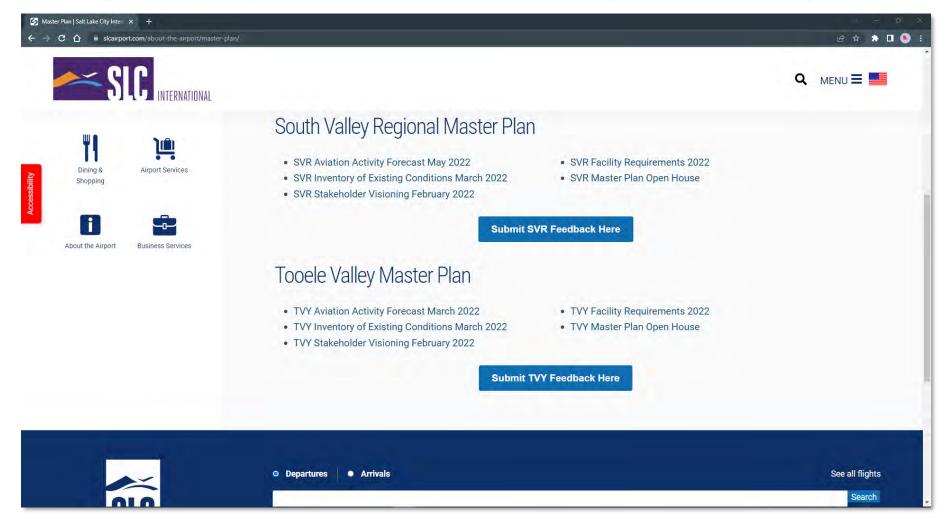
NOTE: ELITUREAU TRACE DUU DING ELEVATIONE ARE ESTIMAT





Draft Reports Available Online

» https://slcairport.com/about-the-airport/master-plan





Next Steps

- » Select preferred comprehensive alternative
- » Implementation and financial planning
- » Complete Airport Layout Plan and Exhibit 'A' Property Map
- » Final Master Plan stakeholder meetings
- » Final documentation

