

Airport Master Plan



AGENDA

Planning Advisory Committee (PAC)

Meeting #3

Thursday, August 28, 2024

1:30 pm

Redding Electric Utility – Shasta Conference Room

- 1. Welcome/Introductions
- 2. Master Plan Process
- 3. Review of Forecasts
- 4. Facility Requirements
- 5. Development Alternatives



PURPOSE OF THE MASTER PLAN STUDY

- Provide a **visioning document** to guide airport management and other decision makers regarding development of the airport over the next 20 years.
- Address local and national changes in the aviation industry that could impact priorities at RDD.
- Identify and **plan for potential capital projects**, in advance, so that coordination, approvals, financing, design and construction can take place in a timely manner.
- Identify locations for appropriate **on-airport land uses** (aviation and non-aviation)
- Develop a plan that address **FAA and airport priorities** (i.e., safety, design standards, land use compatibility, compliance, etc.).
- Obtain FAA approval of new aviation demand forecasts and updated Airport Layout Plan (ALP).
- Have a current and **approved ALP** on file with FAA so that future grant funding can continue uninterrupted.
- Increase **stakeholder/public awareness** of the airports' goals and objectives.
- Maintain communication and capital project discussions with FAA and airport stakeholders.



MASTER PLAN PROCESS





PUBLIC INVOLVEMENT PLAN

Planning Advisory Committee (PAC)

4 Scheduled

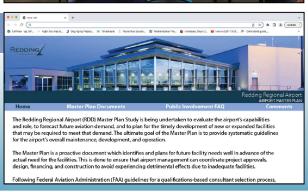


Public Information Workshop

3 Scheduled

Project Website

www.redding.airportstudy.net





FORECAST REVIEW



Forecast Summary

					CAGR
	2022	2027	2032	2042	2022-2042
ENPLANEMENTS AND AIR CARG	0				
Annual Enplanements	100,890	139,402	148,602	154,500	2.15%
Air Cargo (lbs.)	2,643,117	3,361,260	4,057,350	5,737,840	3.95%
ANNUAL OPERATIONS					
Commercial Operations (Itinerant)					
Air Carrier (>59 seats)	1,860	2,748	3,190	2,728	1.93%
Commuter Airline (<60 seats)	2,044	1,123	0	0	-100.00%
Air Cargo	2,235	2,841	3,430	4,850	3.95%
Other Air Taxi	16,304	18,694	21,712	25,803	2.32%
Total Commercial Operations	22,443	25,406	28,332	33,381	2.00%
General Aviation Operations					
ltinerant	17,100	19,101	21,234	26,242	2.16%
Local	21,951	24,311	27,026	33,400	2.12%
Total General Aviation Operations	39,051	43,412	48,260	59,642	2.14%
Military Operations			_		
ltinerant	548	549	549	549	0.01%
Local	345	298	298	298	-0.73%
Total Military Operations	893	847	847	847	-0.26%
Total Itinerant Operations	40,091	45,056	50,116	60,173	2.05%
Total Local Operations	22,296	24,609	27,324	33,698	2.09%
TOTAL ANNUAL OPERATIONS	62,387	69,665	77,439	93,870	2.06%
BASED AIRCRAFT					
Single Engine Piston	175	176	182	197	0.59%
Multi-Engine Piston	15	14	13	11	-1.54%
Turboprop	19	23	25	29	2.14%
Jet	12	15	18	25	3.74%
Helicopter	19	21	24	28	1.96%
TOTAL BASED AIRCRAFT	240	249	262	290	0.95%

CAGR - Compound annual growth rate



FAA Forecast Approval Letter



U.S. Department of Transportation

Federal Aviation

Western-Pacific Region Airports Division San Francisco Airports District Office 2999 Oak Creek Rd., Suite 200 Walnut Creek, CA 94597

August 29, 2023

Mr. James Wadleigh Airport Manager Redding Regional Airport 6751 Woodrum Circle #200 Redding, CA 96002

SENT VIA E-MAIL

Dear Mr. Wadleigh,

RE: FAA Review Comments for Updated Aviation Activity Forecast – 28 August 2023; Redding Regional Airport (RDD); AIP Grant/Project 3-06-0194-063-2022

The San Francisco Airports District Office (SFO-ADO) has completed the review of the updated Aviation Activity Forecasts for the Redding Regional Airport (RDD). The SFO-ADO review comments are as follows:

- FAA concurs with the forecast approach and methodologies presented in the updated aviation forecast validation document. The COVID-19 adjusted forecast alternative recovery scenario analysis and forecast assumptions presented are considered reasonable and well supported.
- FAA concurs with the forecast levels and growth rates for the total operations, and based aircraft, as presented in Exhibit 2J – Forecast Summary of the RDD Chapter 2 Forecasts – dated August 25, 2023. The subject aviation activity forecast is considered generally consistent with the FAA 2022 Terminal Area Forecast (TAF).
- FAA concurs with the near-term forecast presented for peak passenger enplanements
 through 2027 presented in the Exhibit 2J Forecast Summary. This correlates with the
 maximum number of departing seats RDDs current Airlines contract(s). Per Table 3-4 of
 the AIP Handbook, to determine whether a project (e.g., expanded passenger terminal) is
 justified, there must be an actual need for the project at the airport within the next five years.
 Thus, the forecasted enplanements in 2027 are the most relevant.
- FAA concurs that the Runway Design Code (RDC) for Runway 16-34 is C-III-2400.
 Due to magnetic variation adjustment, the future runway designation is 17-35.
 Based on the most recent year of aircraft activity (2022) it appears reasonable that the Future RDC will be D-III-2400 for Runway 17-35.



AIRSIDE FACILITY REQUIREMENTS



Exhibit 3B: Airfield Capacity Analysis

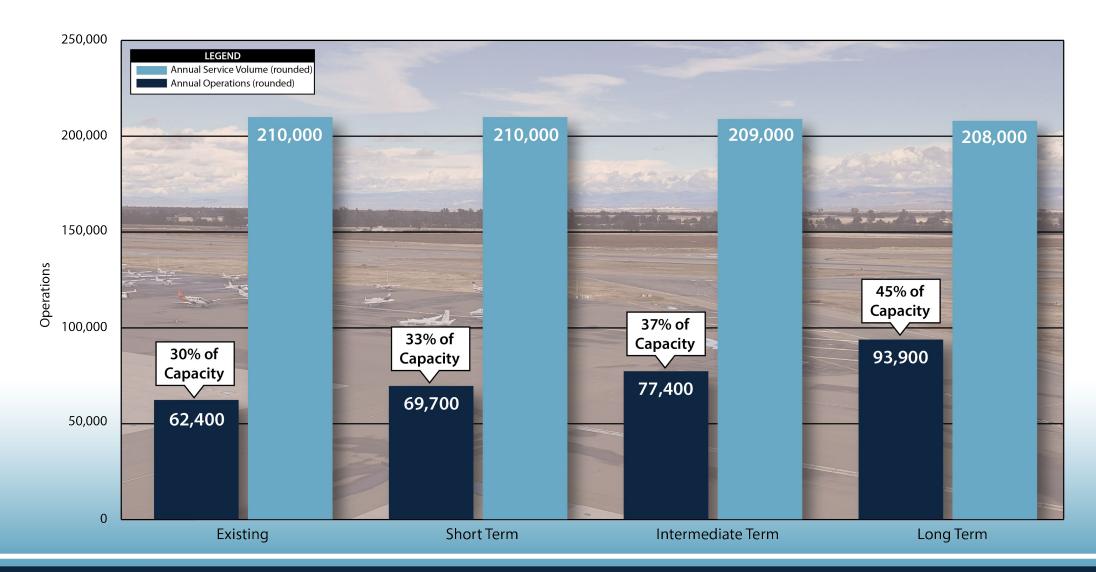


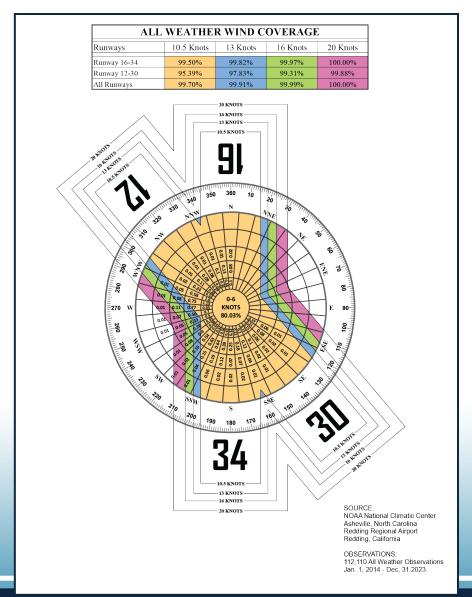


Table 3F: Runway Eligibility

For the following runway type	Must meet all of the following criteria	And is
Primary Runway	 A single runway at an airport is eligible for development, consistent with FAA design and engineering standards. 	Eligible
Crosswind Runway	1. The wind coverage on the primary runway is less than 95%.	Eligible if justified
Secondary Runway	 There is more than one runway at the airport. The non-primary runway is not a crosswind runway. Either of the following: a) The primary runway is operating at 60% or more of its annual capacity. b) FAA has made a specific determination that the runway is required. 	Eligible if justified
Additional Runway	 There is more than one runway at the airport. The non-primary runway is not a crosswind runway. The non-primary runway is not a secondary runway. 	Ineligible



Exhibit 3C: Wind Roses



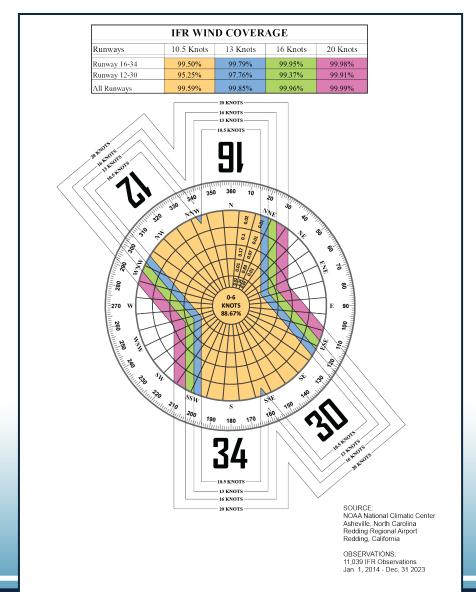




Exhibit 3D: Design Standards





Table 3J: Commercial Aircraft Takeoff Runway Length

TAKEOFF LENGTH REQUIREMENTS (feet)

Aircraft Type	craft Type MTOW (lbs.)		Useful Load							
All Clart Type	1011000 (183.)	60%	70%	80%	90%	100%				
B737-700	154,500	5,000	5,900	6,800	7,900	10,100				
B737-800	174,200	5,300	6,000	6,800	7,300	8,200				
B767-300	350,000	7,700	8,300	8,900	9,200	10,000				
CRJ-200	53,000	4,500	5,100	5,600	6,100	6,600				
CRJ-700	75,000	4,400	4,800	5,200	5,500	5,900				
CRJ-900	82,500	5,100	5,600	6,000	6,400	7,000				
EMB 170	79,344	3,600	4,000	4,300	4,800	5,300				
DC10-40	555,000	8,600	9,000	9,800	10,300	11,100				

- Airfield elevation: 504.7' MSL
- Mean maximum temperature of the hottest month: 99.9°F
- MTOW: maximum takeoff weight
- Boldface is representative of the current critical aircraft.
- Length calculations above 30 are rounded up to the next 100.
- RED indicates the calculated length is greater than the existing 7,003' runway length.



Table 3L: Business Jet Runway Length Requirements (FAA Method)

	99.9°F (July)				
	0.20%				
from	Runway Length Wet Surface with Gradient Landing Length Adjustment for Jets (+15%)* Final Runway Length Length				
)1	4,971	5,500	5,500		
)5	6,185	5,500	6,200		
3	7,573	7,000	7,600		
27	10,207	7,000	10,200		
	nway from AC 91 95 93 27	from with Gradient AC Adjustment 91 4,971 95 6,185 93 7,573 27 10,207	from with Gradient Landing Length AC Adjustment for Jets (+15%)* 91 4,971 5,500 95 6,185 5,500 93 7,573 7,000		

wax 5,500 for 60% useful load and max 7,000 for 90% useful load in wet conditions



Table 3M: Business Jet Takeoff Runway Length

		TAKEOFF LENGTH REQUIREMENTS (feet)						
Aircraft Tura	MTOW	Useful Load						
Aircraft Type	(lbs.)	60%	70%	80%	90%	100%		
Citation Bravo	14,800	3,750	4,035	4,358	4,729	5,140		
Citation Sovereign	30,300	3,425	3,555	3 <i>,</i> 760	4,030	4,333		
Challenger 601	45,100	5,200	5,800	6,460	7,200	8,040		
Falcon 900B	46,500	4,390	4,960	5,590	6,300	7,080		
Falcon 900EX	49,200	4,430	5,030	5,720	6,400	7,020		
Gulfstream 300	72,000	4,560	4,859	5,283	5,790	6,338		
Gulfstream 550	91,000	4,815	5,492	6,212	6,989	7,813		
Gulfstream 650	99,600	5,081	5,588	6,172	6,851	7,649		
Gulfstream IV	74,600	4,753	5,056	5,649	6,215	CL		
Hawker 1000	31,000	5,610	6,250	CL	CL	CL		

- Airfield elevation: 504.7 feet MSL
- Mean maximum temperature of the hottest month: 99.9°F
- MTOW: maximum takeoff weight
- CL: climb limited
- RED indicates the calculated length is greater than the existing 7,003' runway length.



RUNWAY LENGTH SUMMARY

- Commercial Aircraft: At 7,003 feet, Runway 16-34 is adequate for the current critical aircraft (737) for most destinations including Denver.
- Commercial Aircraft: An additional 1,000 feet would accommodate more distant destinations (Dallas, Chicago, etc.).
- Airtankers (DC-10/C-130): Currently weight restricted. Cal Fire/USFS desire an additional 2,000 feet of runway length.



Figure 3.2: Taxiway Considerations





Exhibit 3E: Airfield Facility Requirements

		RUNWA	Y 16-34	RUNWA	PARALLEL RUNWAY 16L-34R	
	CATEGORY	EXISTING	ULTIMATE	EXISTING	ULTIMATE	ULTIMATE
RUNWAY						
	Runway Design Code	RDC C-III-2400	RDC D-III-2400	RDC C-III-VIS	Consider B-II-VIS or Close Runway	B-II(s)-VIS
	Length	7,003'	9,003'	5,067'	Maintain or Close Runway	4,400'
	Width	150'	150'	150'	75' or Close Runway	75'
	Pavement Strength (landing gear configuration)	98 (S); 128 (D); 195 (DD)	Maintain	60 (S); 72 (D); 110 (DD)	Maintain or Close Runway	12,500 (s)
	Pavement Strength (PCN)	60 F/C/X/T	Maintain	60 F/C/X/T	Maintain or Close Runway	NA
SAFETY AREAS						
	RSA	(500'x1,000') Meets standard	Maintain	Taxiways M and C in RSA	Maintain or Close Runway	150'x300'
	ROFA	(800'x1,000') Meets standard	Maintain	Hangars and Taxiways M and C in ROFA	Maintain or Close Runway	500'x300'
The state of the s	OFZ OFZ	(400'x200') Meets standard	Maintain	Meets Standard	Maintain or Close Runway	200'x250'
Runway 16-34 17:003'×100'T	POFZ	(800'x200') Meets Standard (Rwy 34)	Maintain	NA	NA	NA
	RPZ	(Various) Meets standard	Remove incompatible land uses, including public roads from RPZs	Structures in Rwy 12 RPZ	Remove Structures or Close Runway	1,000'x250'x450'
TAXIWAYS						
The second secon	Taxiway Design Group	3	Maintain	3	3	2
	Width	50' (standard)	All Taxiways to be at least 50' wide	50' (standard)	All Taxiways to be at least 50' wide	35' for any taxiway serving this runway exclusively
	Parallel Taxiway Separation	400' (standard)	Maintain	NA	NA	240'
	Angled Taxiways	Twys D1, M, B, D (Runway 36 threshold)	Reconstruct at 90° Angle	NA	NA	90-degree intersections

ASOS - Automated Surface Observing System

ATCT - Airport Traffic Control Tower

MALSR - Medium Intensity Approach Light System with Runway Alignment Indicator Lights MIRL/HIRL - Medium/High Intensity Runway Lighting

MITL - Medium Intensity Taxiway Lighting PAPI - Precision Approach Path Indicator

PCN - Pavement Classification Number

POFZ - Precision Obstacle Free Zone

RDC - Runway Design Code

REIL - Runway End Identification Lights

ROFA - Runway Object Free Area

ROFZ - Runway Obstacle Free Zone

RPZ - Runway Protection Zone

RSA - Runway Safety Area

VIS - Visual



Exhibit 3E: Airfield Facility Requirements

		RUNWA`	Y 16-34	RUNWA	PARALLEL RUNWAY 16L-34R	
	CATEGORY	EXISTING	ULTIMATE	EXISTING	ULTIMATE	ULTIMATE
NAVIGATIONAL AIDS						
	Instrument Approaches	1/2-mile (Runway 34)/3/4-mile (Runway 16)	Maintain	VIS	Maintain or Close Runway	VIS
	Glideslope Antenna	Yes (Part of ILS)	Maintain	NA	NA	NA
	Localizer Antenna	Yes (Part of ILS)	Maintain	NA	NA	NA
		ASOS	Maintain	Maintain	Maintain	Maintain
	Weather Aids	Segmented Circle	Maintain	Maintain	Maintain	Maintain
	Weather Alus	Wind Tee	Maintain	Maintain	Maintain	Maintain
		Windsocks	Maintain	Maintain	Maintain	Two additional windsocks
	Control Tower	Yes	Replace with modern facility	Yes	Replace with modern facility	Replace with modern facility
VISUAL APPROACH AIDS						
**************************************	Glide Path Indicator Lights	PAPI-4	Maintain	PAPI-2 (Rwy 30)	Maintain or Close Runway	NA
	Runway End Identification Lighting	REIL (Rwy 16)	Maintain	No REIL	Non required	NA
	Approach Lighting System	MALSR	Maintain	NA	NA	NA
LIGHTING, MARKING, SIG	NAGE					
	Airport Identification	Rotating Beacon	Maintain	Maintain	Maintain	Maintain
1911	Runway Edge Lighting	HIRL	Maintain	Maintain	Maintain	MIRL
12 D3	Taxiway Edge Lighting	MITL	Maintain	Maintain	Maintain	MITL
	Hold Position Marking	250' from Rwy centerline	Maintain	Maintain	Maintain	125'
- The second second	Connecting Taxiways	Enhanced Centerline Markings	Maintain	Maintain	Maintain	Centerline markings
	Other Taxiways	Yellow Centerline Markings	Maintain	Maintain	Maintain	Centerline markings
	Lighted Airfield Signage	Yes	Maintain	Maintain	Maintain	Yes, as appropriate

ASOS - Automated Surface Observing System

ATCT - Airport Traffic Control Tower

MALSR - Medium Intensity Approach Light System with Runway Alignment Indicator Lights

MIRL/HIRL - Medium/High Intensity Runway Lighting

MITL - Medium Intensity Taxiway Lighting PAPI - Precision Approach Path Indicator PCN - Pavement Classification Number

POFZ - Precision Obstacle Free Zone **RDC** - Runway Design Code

REIL - Runway End Identification Lights

ROFA - Runway Object Free Area

ROFZ - Runway Obstacle Free Zone

RPZ - Runway Protection Zone RSA - Runway Safety Area

VIS - Visual



TERMINAL COMPLEX



Table 3P: Airline Peaking Activity Levels

Enplanements	2022 – Current	Short Term	Intermediate Term	Long Term
Annual	100,890	139,402	148,602	154,500
Peak Month	9,806	13,549	14,443	15,017
Design Day	530	732	781	812
Design Hour	182	251	268	279
Deplanements				
Design Hour	244	337	359	374
Total Passengers				
Design Hour	426	588	627	653
Commercial Operations				
Annual	3,905	3,871	3,190	2,728
Peak Month	350	347	286	245
Design Day	12	12	10	8
Design Hour	4	4	3	3
Departures/Arrivals				
Design Day	6	6	5	4
Design Hour	2	2	2	2



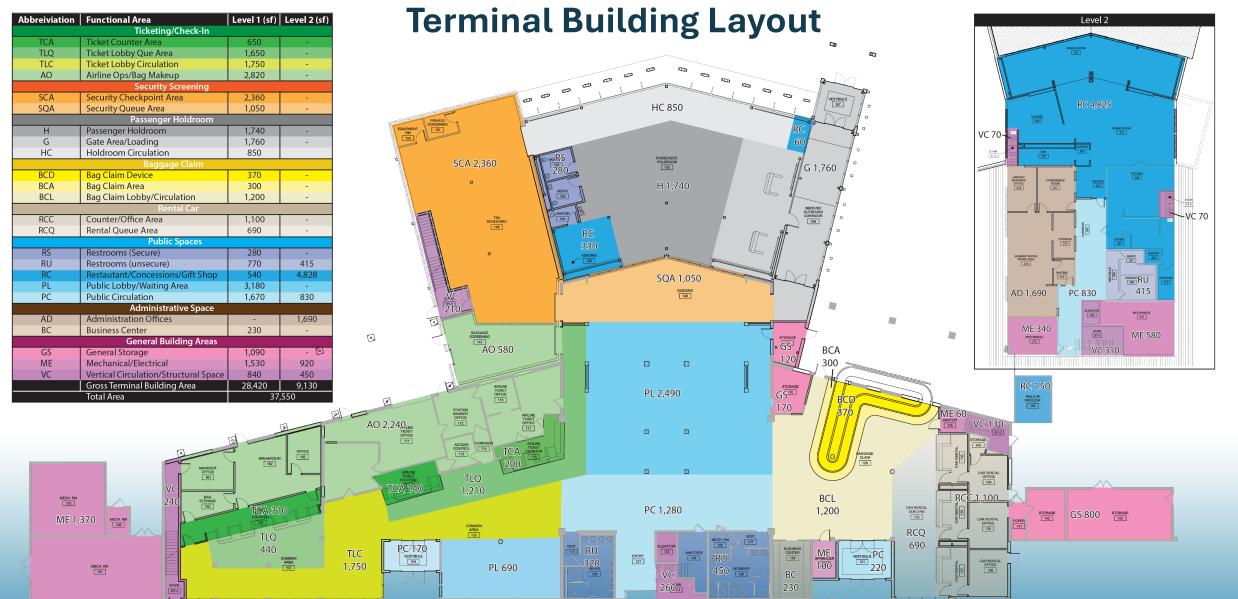




Exhibit 3F: Terminal Space Requirements

			Planning Activity Levels			
		Existing	Current Need	Short	Intermediate	Long
		LAISTING	100,890	139,402	148,602	154,500
DEPARTURES PROCESSING						
Ticket Counters						
Utilization Factor	90%	0	164	226	241	251
Agent Positions	#	5	7	9	10	10
Frontage	LF	94	42	54	60	60
Area	SF	650	460	590	660	660
Ticket Lobby						
Queing Area	SF	1,650	920	1,270	1,360	1,410
TSA Baggage Check	SF	580	840	1,080	1,200	1,200
Outbound Baggage	SF	Outside	2,020	2,590	2,880	2,880
Airline Ticket Office/Baggage Screening	SF	2,240	1,720	2,210	2,460	2,460
Ticket Lobby Circulation	SF	1,750	480	620	690	690
Subtotal Airline Operations	SF	6,220	5,980	7,770	8,590	8,640
Public Area						
Circulation	SF	2,500	11,930	16,460	17,560	18,280
Lobby/Waiting Area	SF	3,180		Included	in Circulation	
Security Stations						
Number	#	1	1	2	2	3
Queing Area	SF	1,050	590	810	860	900
Station Area	SF	2,360	360	720	720	1,080
TSA Administration/Operations	SF	0	700	1,400	1,400	2,100
CONCOURSE FACILITIES						
Passenger Holdrooms						
Gates	#	1	2	2	2	3
Gate Area	SF	1,760		Included in	Holdroom Area	
Holdroom Area	SF	1,740	3,540	4,570	4,830	5,860
Airline Operations	SF	0	2,000	2,000	1,500	1,500
Concourse Circulation						
Circulation Area	SF	850	1,062	1,371	1,449	1,758
Note: Level of Service C+ is applied						



Exhibit 3F: Terminal Space Requirements

				Planning Ac	tivity Levels	
		Existing	Current Need	Short	Intermediate	Long
		Existing	100,890	139,402	148,602	154,500
ARRIVALS PROCESSING						
Baggage Claim						
Passengers claiming bags	85%	207	207	286	305	318
Claim Display Frontage	LF	45	150	200	220	220
Claim Device Floor Area	SF	670	750	1,000	1,100	1,100
Inbound Baggage	SF	0	1,800	2,400	2,640	2,640
Baggage Service Office	SF	0	300	400	440	440
Claim Lobby						
Area Excl. Device Area	SF	600	4,930	6,810	7,260	7,560
Circulation Area	SF	600	2,970	4,100	4,360	4,550
PUBLIC SPACES						
Restrooms						
Area	SF	1,465	2,040	2,820	3,010	3,130
Concessions						
Food & Beverage	SF	5,365	1,210	1,670	1,780	1,850
Retail	SF	0	500	700	740	770
Support	SF	0	340	470	500	520
Rental Car						
Counter Frontage	LF	50	43	59	63	65
Counter and Office Area	SF	1,100	640	880	940	980
Counter Queuing Area	SF	690	340	470	500	520
Airport Administration						
Administration/Operations	SF	1,690	5,100	7,100	7,500	7,800
Business Center	SF	230		Included	in Admin	
FUNCTIONAL AREA TOTAL						
Total Functional Area	SF	32,720	46,702	63,431	67,139	71,483
BUILDING SYSTEMS/SUPPORT						
Mechanical/HVAC	SF	2,450	1,870	2,540	2,690	2,860
Vertical Circulation/Structural Space	SF	1,290	1,900	2,500	2,700	2,900
General Storage	SF	1,090	3,270	4,440	4,700	5,000
TOTAL TERMINAL						
Gross Building Area	SF	37,550	53,742	72,911	77,229	82,198
Note: Level of Service C+ is applied						



Table 3R: Terminal Curb and Parking

	Existing	Current Need	Short Term	Intermediate Term	Long Term
Terminal Curb					
Enplane Curb (ft)	120	100	100	110	110
Deplane Curb (ft)	180	140	240	250	260
Total Curb (ft)	300	240	340	360	370
Auto Parking					
Short Term	98	64	88	94	98
Long Term	230	143	198	211	219
Employee	34	30	42	45	46
Rental Car	75	85	117	125	130
Taxi/Shuttle Stand	1	1	1	1	1
Total All Parking	438	323	446	476	494



Terminal Building: The Bottom Line

Existing Size: 37,550 sf

Current Need: 53,742 sf (16,192 sf needed now)

20-Year Need: 82,198 sf (44,648 needed within 20-years)

Areas of Focus:

Hold Room: Need 4,000+sf

Ticket Lobby: Need 2,000+ sf

Bag Processing (inbound/outbound): Need +3,200 sf

General Circulation (all areas): +12,800 sf

Concessions (excluding existing restaurant): Need +1,000 sf

Gates: 1 currently/3 needed



GENERAL AVIATION FACILITIES LANDSIDE CONSIDERATIONS



Table 3S: Hangar Needs

	Currently Available	Short Term	Intermediate Term	Long Term	Total Need	
Based Aircraft	240	249	262	290	_	
Aircraft to be Hangared	192	204	220	249	58	
Hangar Positions						
T-Hangar Positions	104	107	113	124	20	
Box Hangar Positions	19	37	39	44	25	
Conventional Hangar Positions	27	37	42	51	24	
Hangar Area Requirements						
T-Hangar Area	122,000	149,000	158,000	173,000	51,000	
Box Hangar Area	47,000	92,000	98,000	111,000	64,000	
Conventional Hangar Area	82,100	112,000	126,000	153,000	70,900	
Total Storage Area (sf)	251,100	353,000	382,000	437,000	185,900	
Maintenance Area	19,365	30,600	33,600	39,600	20,235	



Table 3T: Aircraft Apron Requirements

		FORECAST				
	Currently Available	Short Term	Intermediate Term	Long Term	Total Need	
Local Apron Positions	36	55	52	51	15	
Local Apron Area (sy)	12,500	27,400	26,000	25,300	12,800	
Transient Apron Positions	77	43	47	58	-19	
Piston Transient Positions	69	21	24	29	-40	
Turbine Transient Positions	8	21	24	29	21	
Transient Apron Area (sy)	30,000	27,700	30,900	37,400	7,400	
Total Apron Area (sy)	42,500	55,100	56,900	62,700	20,200	

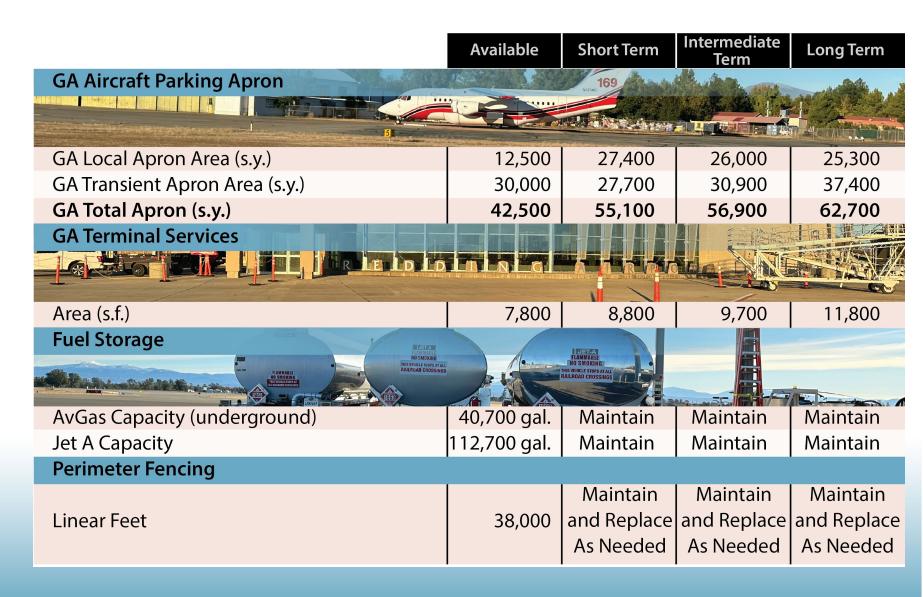


Exhibit 3G: Landside Facility Requirements

	Available	Short Term	Intermediate Term	Long Term
Based Aircraft	240	249	262	290
Hangar Positions Control of the Cont				
T-Hangars	104	107	113	124
Executive/Box Hangars	19	37	39	44
Conventional Hangar Positions	27	37	42	51
Hangar Area				
T-Hangars	122,000	149,000	158,000	173,000
Executive/Box Hangars	47,000	92,000	98,000	111,000
Conventional Hangar (s.f.)	82,100	112,000	126,000	153,000
Total Hangar Area (sf)	251,100	353,000	382,000	437,000
Maintenance Area (s.f.)	19,365	30,600	33,600	39,600
Aircraft Parking Positions			1.	
GA Local Positions	36	55	52	51
GA Transient Piston Positions	69	21	24	29
GA Transient Turboprop/Jet Positions	8	21	24	29



Exhibit 3G: Landside Facility Requirements





DEVELOPMENT ALTERNATIVES



Exhibit 4A: Current ALP Concept

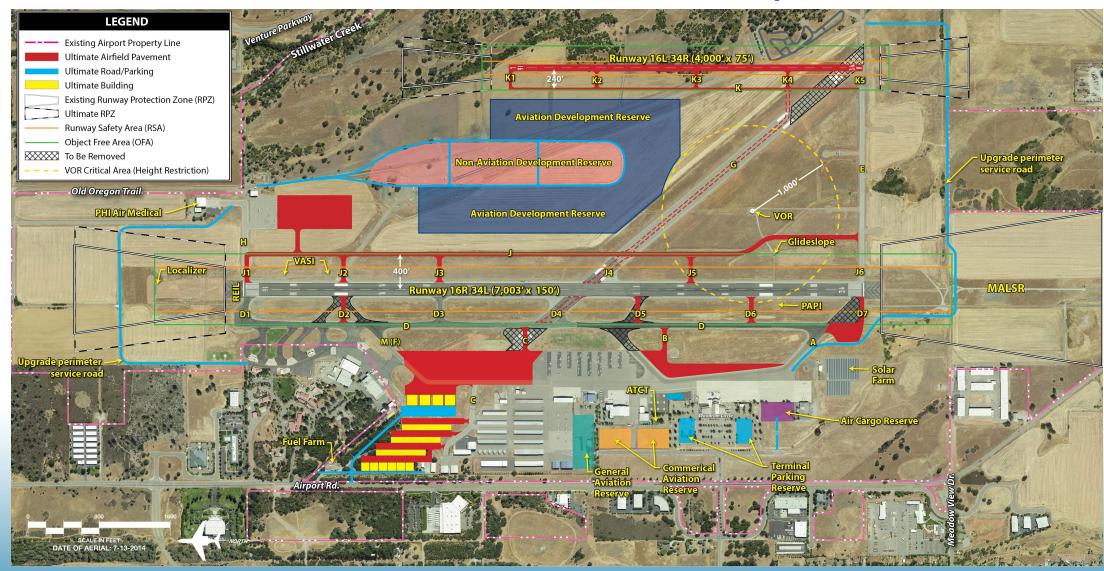




Exhibit 4B: Parallel Runway Alternatives





Exhibit 4C: Runway 12-30 Design Standards Alternatives

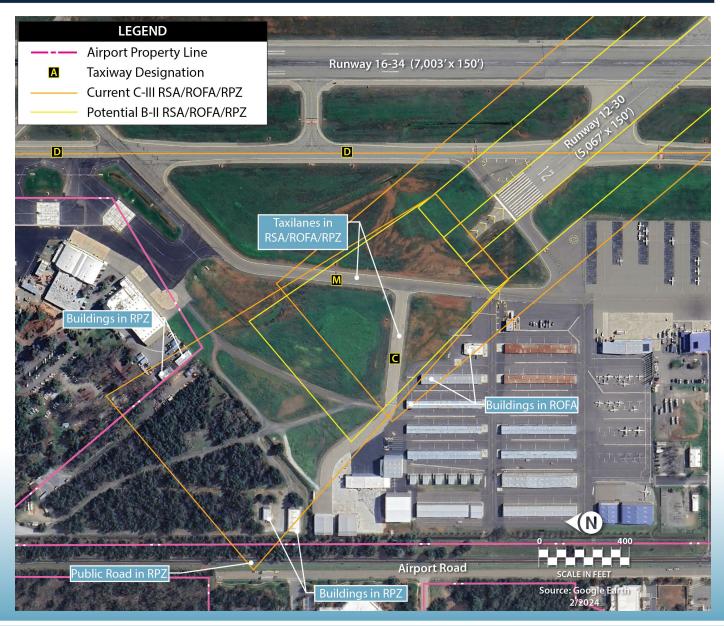




Exhibit 4D: Runway Extension Alternatives





Exhibit 4D: Runway Extension Alternatives

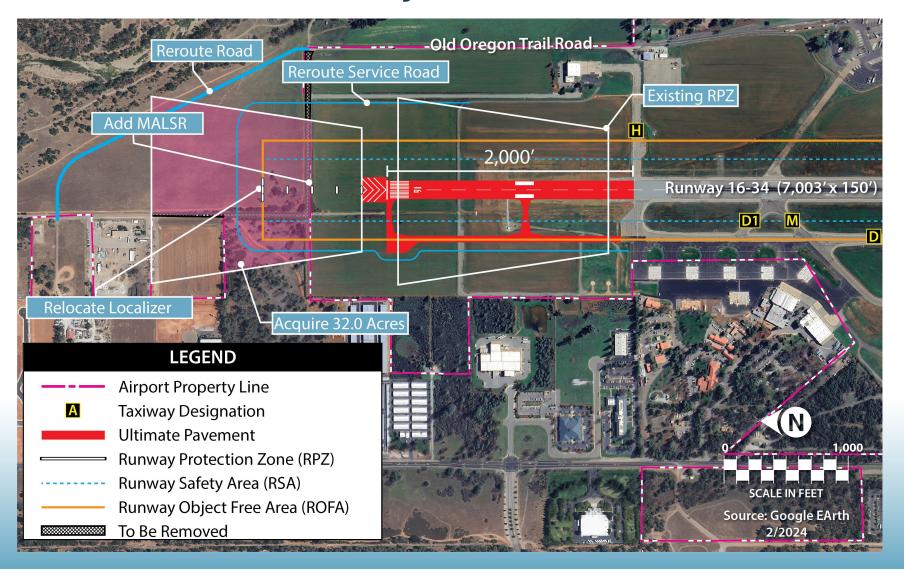




Exhibit 4E: Terminal Expansion Alternative 1





Exhibit 4F: Terminal Expansion Alternative 2

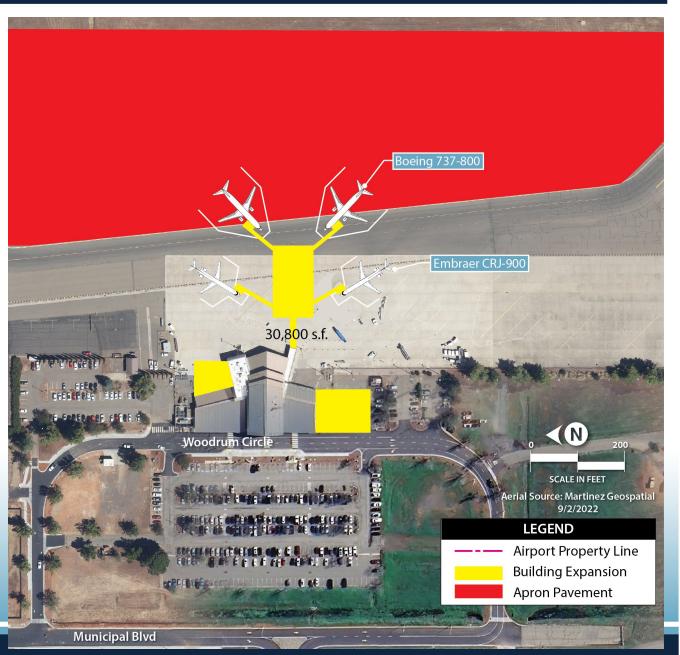




Exhibit 4G: Terminal Expansion Alternative 3

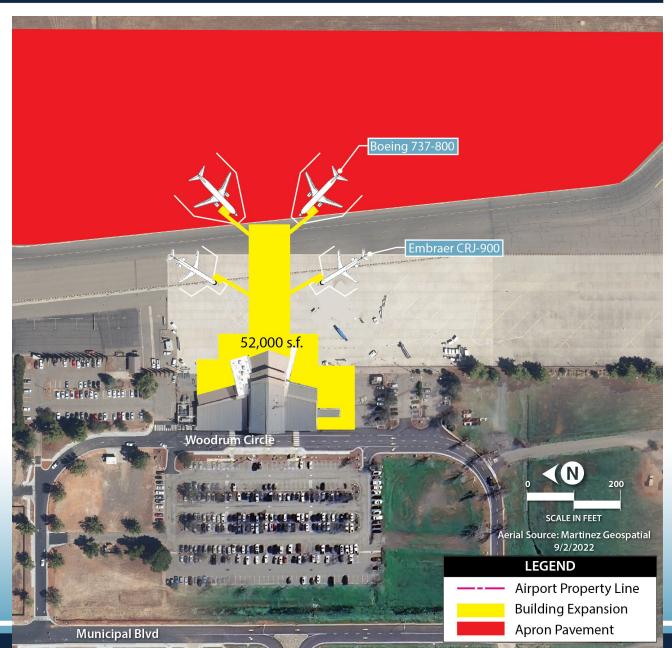




Exhibit 4H: Terminal Apron Alternatives

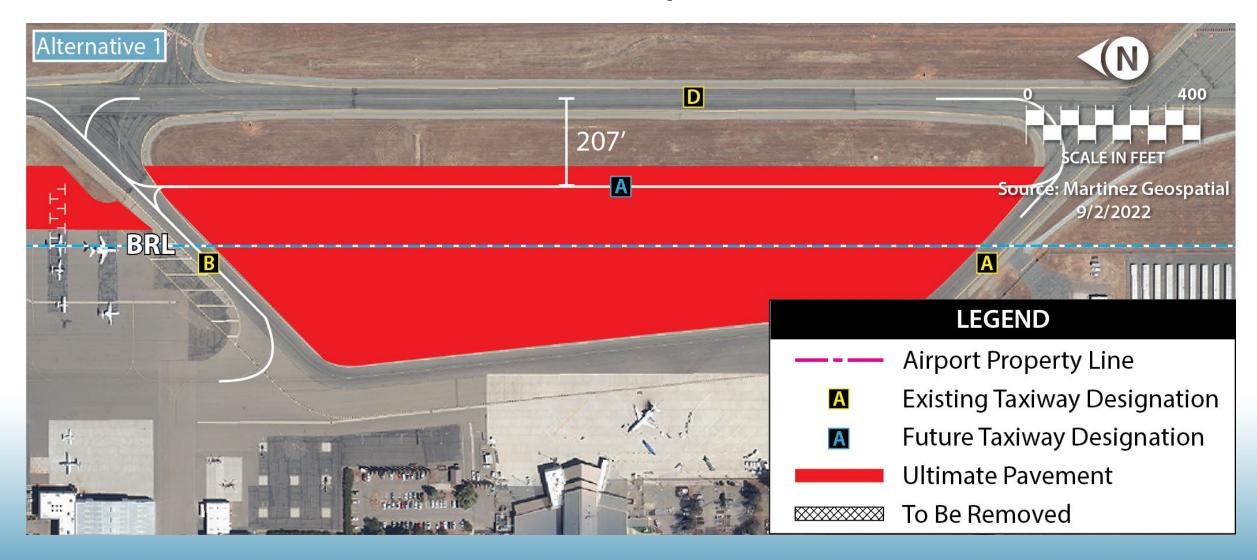




Exhibit 4H: Terminal Apron Alternatives

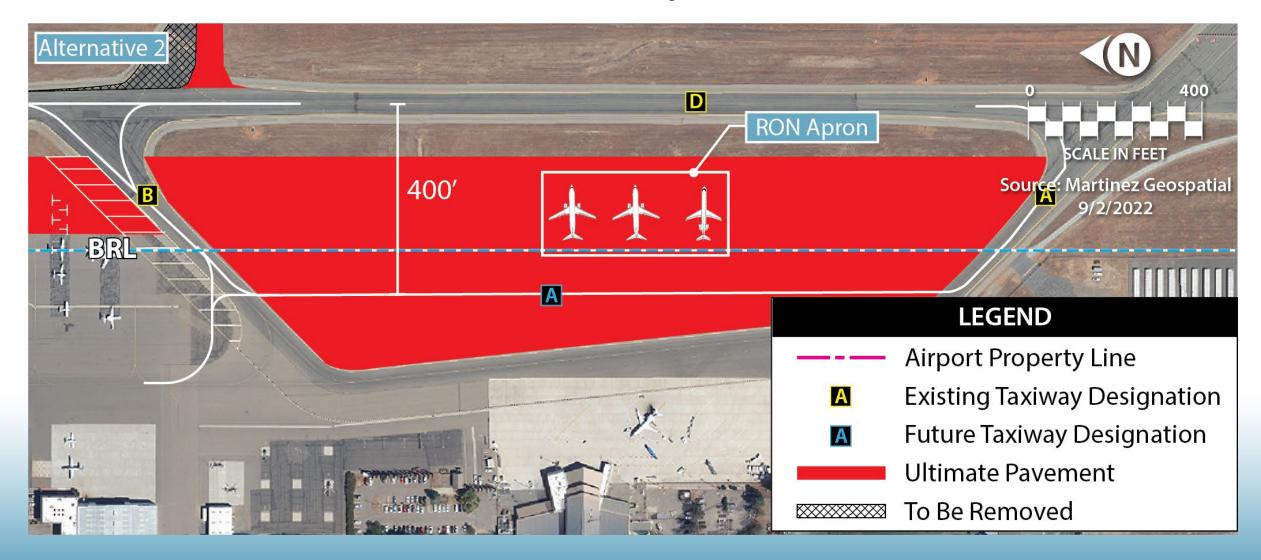




Exhibit 4H: Terminal Apron Alternatives

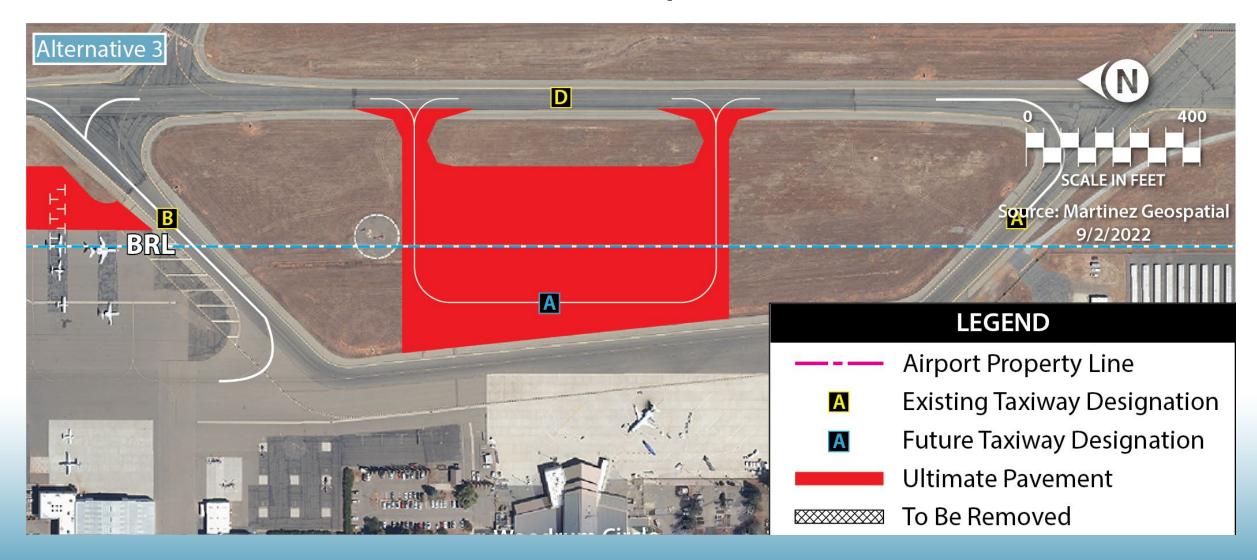




Exhibit 4J: Airport Alternative 1

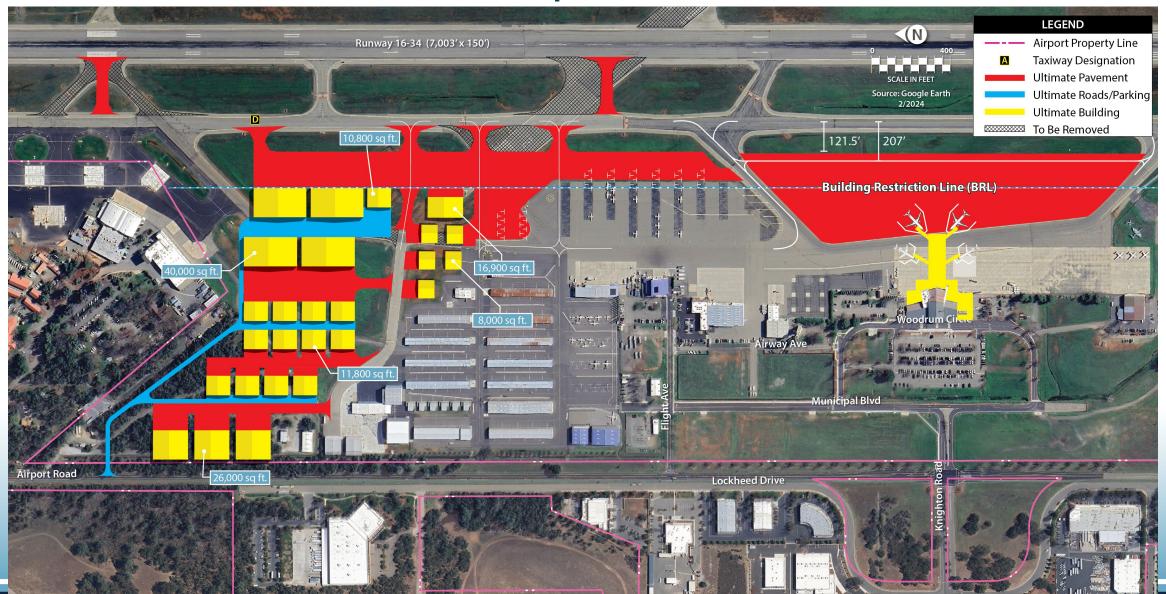




Exhibit 4K: Airport Alternative 2





Figure 4.2: Taxiway Geometry Options





Figure 4.3: Potential Control Tower Locations





Figure 4.4: Vehicle Parking Expansion Options





Figure 4.5: Air Cargo Facilities

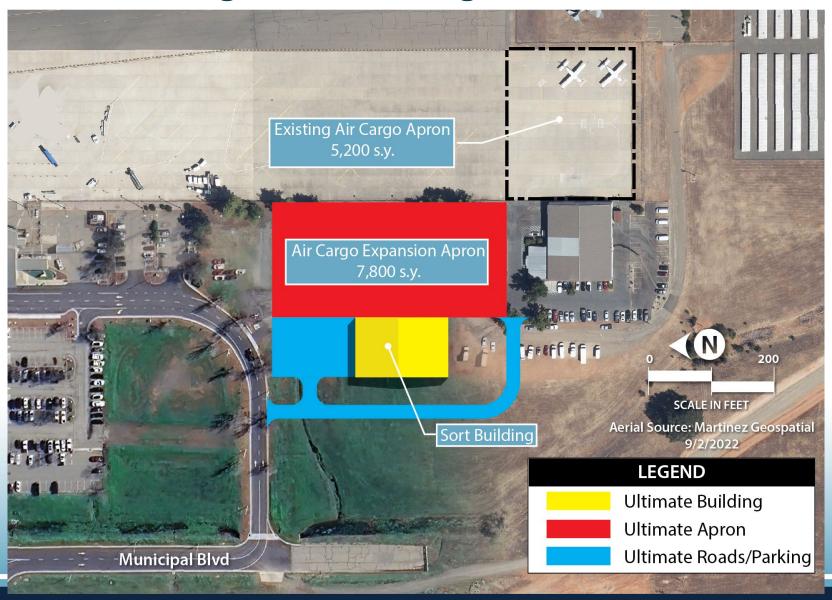




Exhibit 5A: Recommended Development Concept

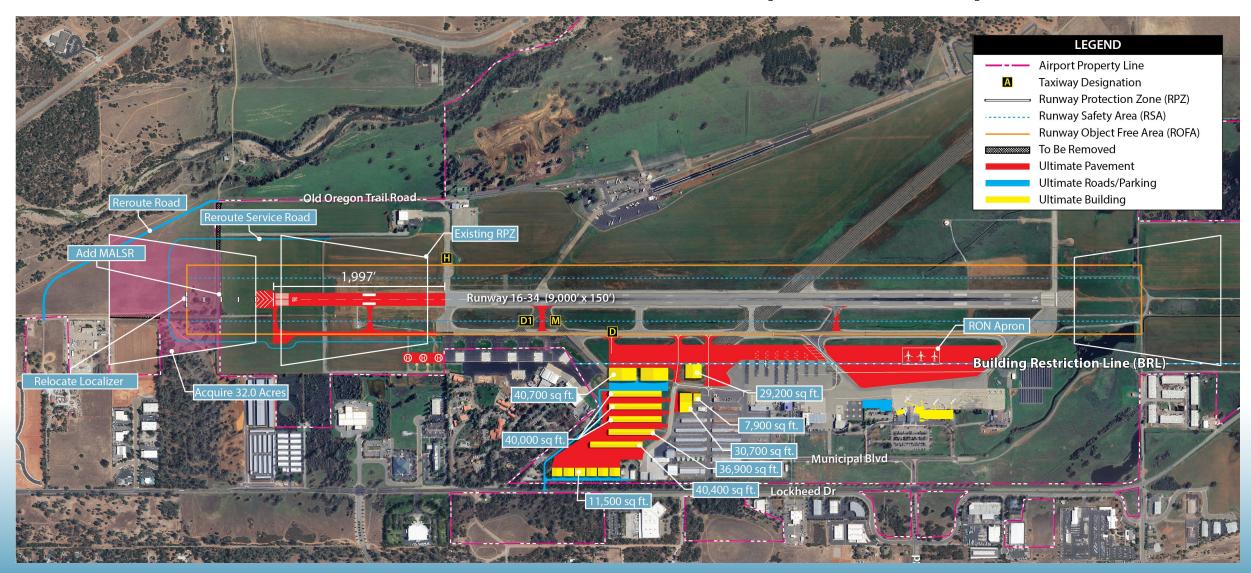
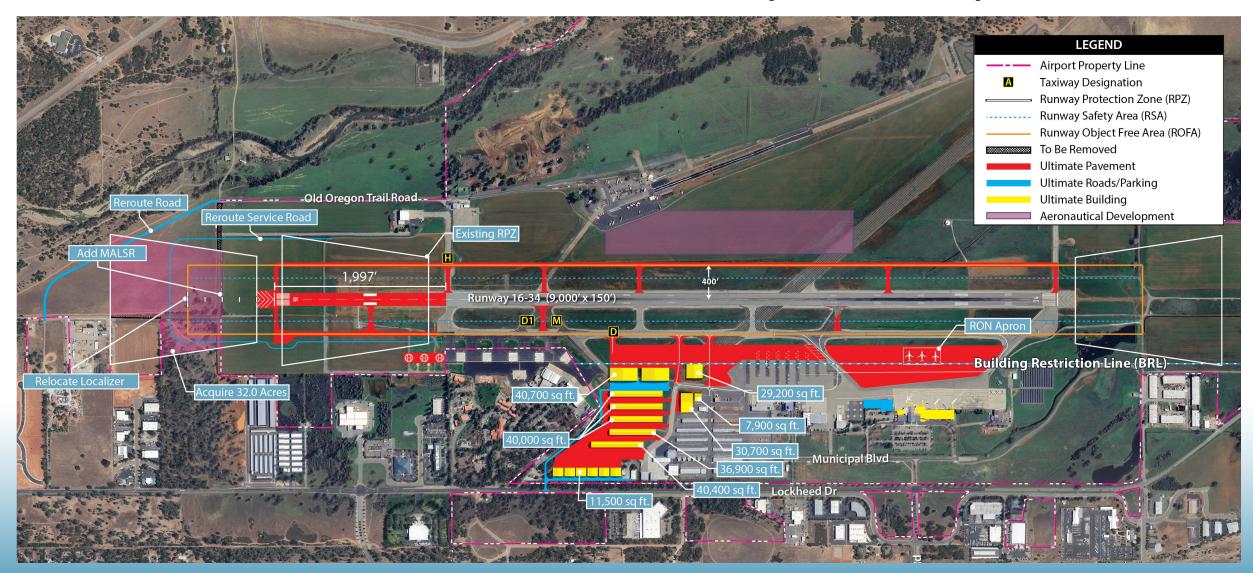




Exhibit 5A: Recommended Development Concept











NEXT STEPS



Recommended Development Concept
Capital Improvement Program
Comprehensive Land Use Plan



Table 3K: Small Aircraft Runway Length Calculations

Airport Elevation	504.7' MSL
Average High Monthly Temperature	99.9°F (July)
Runway Gradient	0.20%
Fleet Mix Category	Runway Length
95% of small aircraft	3,400'
100% of small aircraft	4,000'
Small aircraft with 10+ passenger seats	4,400'