

Bear Lake County Airport

Aviation Activity Forecast Summary

According to the Aviation Activity Forecasts developed as part of this Airport Master Plan, by 2034, 11 based aircraft and 6,565 operations are forecast at Bear Lake County Airport

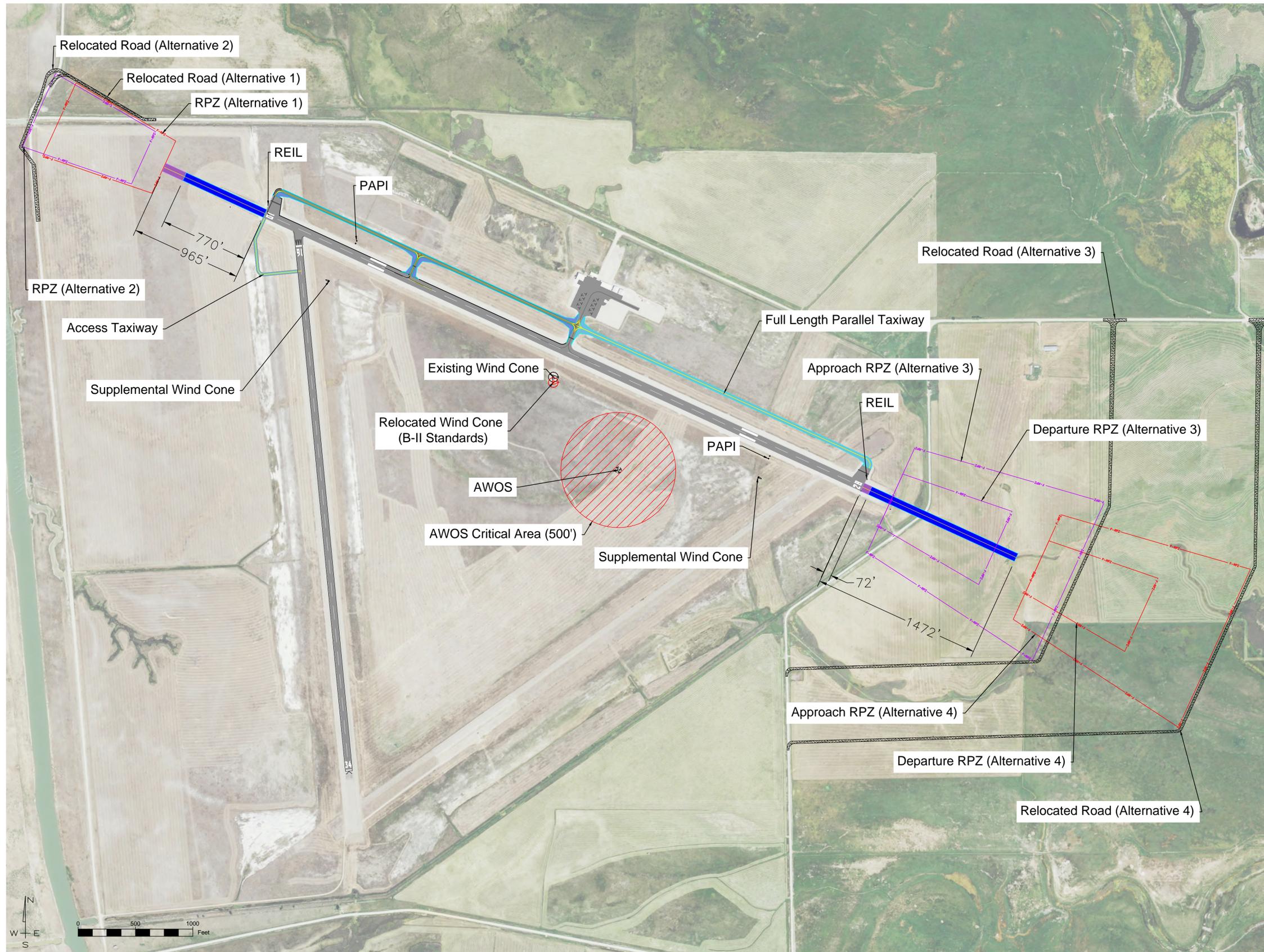
	Actual	2034
Operations	2,611	6,565
<i>Local</i>	441	1,065
<i>Itinerant</i>	2,170	5,550
Based Aircraft	6	11

Facility Requirements

The following table summarizes the minimal facilities required at Bear Lake County Airport to effectively answer the aviation demand during the next 20 years, as identified in the Facility Requirements chapter of the Airport Master Plan

Facility	Existing	Recommended
Airside Alternatives		
Design Standards	B-I Small	B-II
Runway 10/28 Length	5,728'	At least 5,728' (FAA recommends 7,200')
Runway 16/34	Paved Runway	TBD
Taxiway	Partial Parallel Taxiway (Runway 10/28)	Full Parallel (Recommended Runway 10/28 only)
Helicopter Parking Pad	No	Yes
Landside Alternatives		
Tiedowns	14	14
Terminal/Pilot's Lounge	Approximately 500 sq. ft.	Minimum of 500 sq. ft.
Box Hangars	6	10
Fuel Facility	Yes (Avgas Only)	Yes (Avgas, Jet A, Mogas)
FBO	No	Yes
Access Road	Gravel	Paved
Automobile Parking	Gravel Area	12 (Paved)
Utility Extensions	-	As Necessary
Other Requirements listed on ALP		
Approach	Visual	Non-Precision Instrument Approach
Automated Weather	Non-Certified Weather and Certified Altimeter	AWOS
REILs	None	Runway 28 (and other runway ends as necessary)
Precision Approach Path Indicator (PAPI)	None	Runway 28 (and other runway ends as necessary)
Airfield Signage	None	Yes (taxiway/runway holding position signs)
Segmented Circle	Yes	Yes (supplemental wind cone on each runway end)
Wind Cone	Yes	Yes
Airport Beacon	Yes	Yes
SRE and Maintenance	Yes (inadequate)	New SRE and Storage Building
Renumber Runways	10/28 and 16/34	11/29 and 17/35 (2030)
Perimeter Fence	Barbed-Wire Cattle Fence	Partial Wildlife Fence

Airside and Runway 10/28 Extension



Alternative 1

- Lengthen Runway 10/28 to the North (770')
- Cost Estimate: \$879,500

Alternative 2

- Lengthen Runway 10/28 to the North (965')
- Cost Estimate: \$1,112,500

Alternative 3

- Lengthen Runway 10/28 to the South (72')
- Cost Estimate: \$323,000

Alternative 4

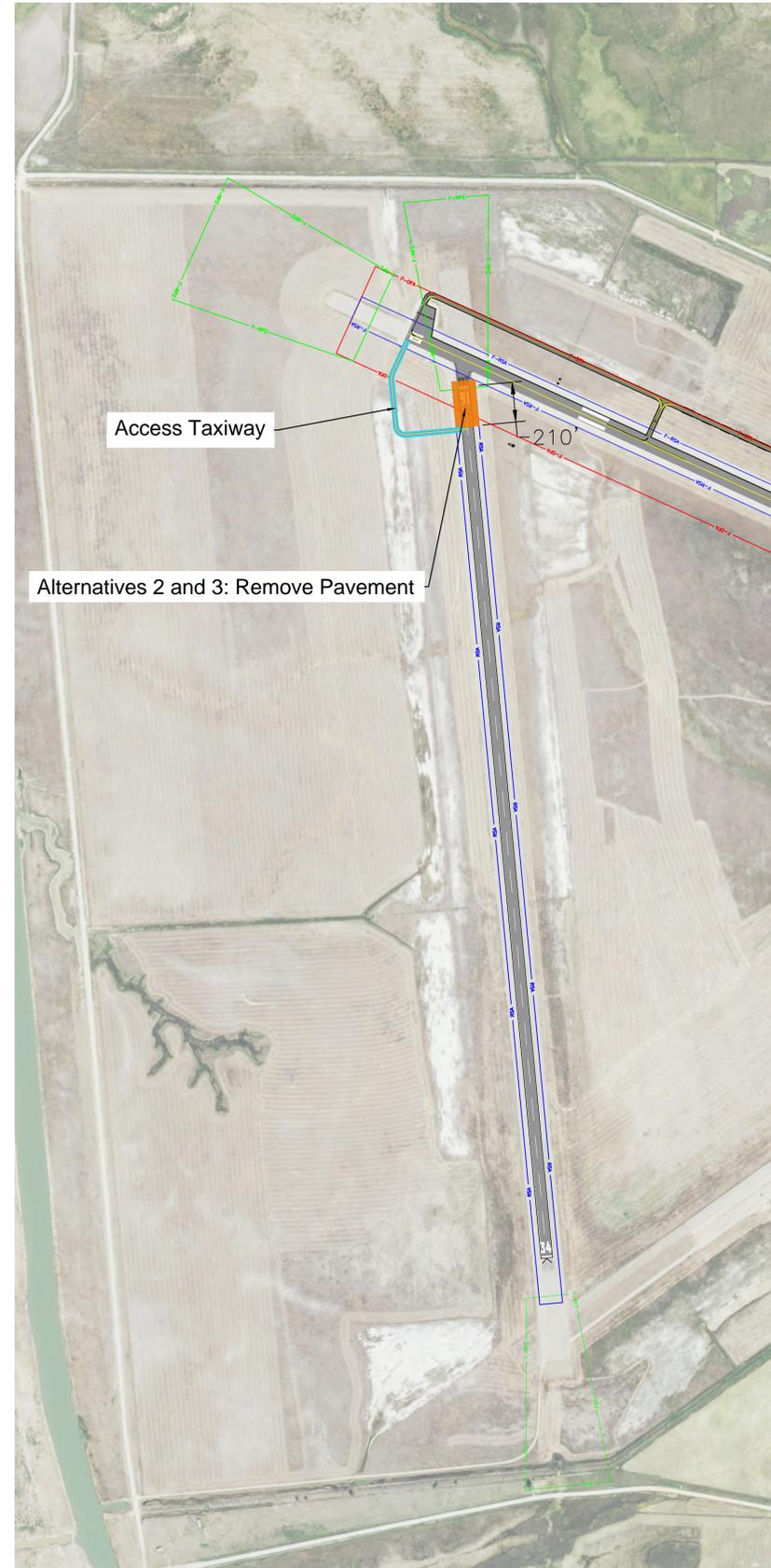
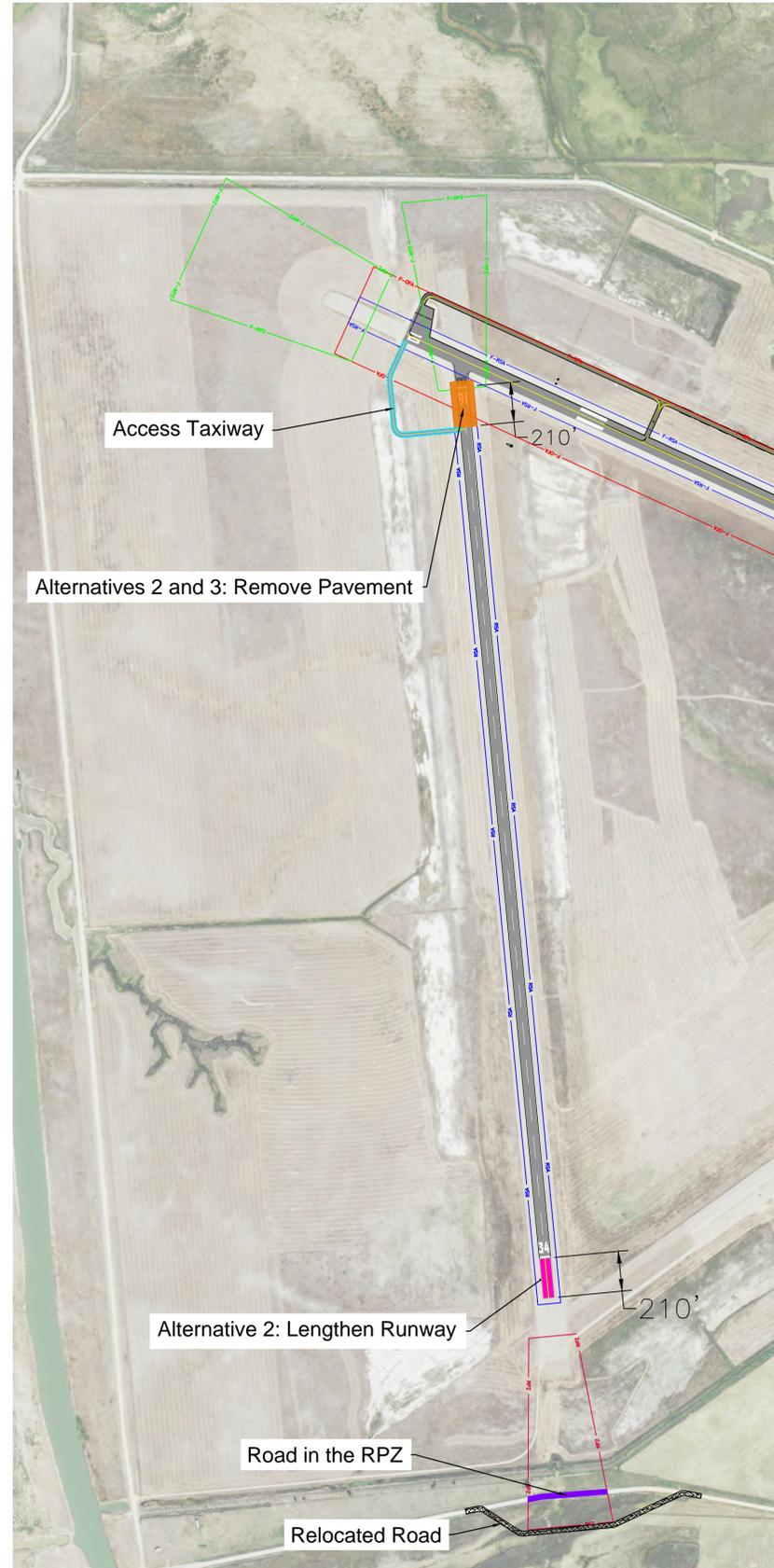
- Lengthen Runway 10/28 to the South (1,472')
- Cost Estimate: \$1,904,000

Additional Improvements

- Taxiway Extension to Runway 28 End (35' Wide)
Cost Estimate: \$1,409,000
- Taxiway Widening from 25' to 35'
Cost Estimate: \$1,229,000
- Install REIL on Runway 10/28
Cost Estimate: \$91,000
- Install PAPI on Runway 10/28
Cost Estimate: \$103,000
- Relocate Wind Cone and Segmented Circle
Cost Estimate: \$22,000
- Access Taxiway
Cost Estimate: \$361,500
- AWOS*
Cost Estimate: \$200,000

* AWOS costs do not include costs for maintenance and certification

Runway Decoupling



Alternative 1*

- Lengthen Runway 16/34 to the north (610)
- Cost Estimate**: \$726,000

Alternative 2

- Shorten Runway 16 end, Lengthen Runway 34 towards the South (210')
- Cost Estimate**: \$321,000

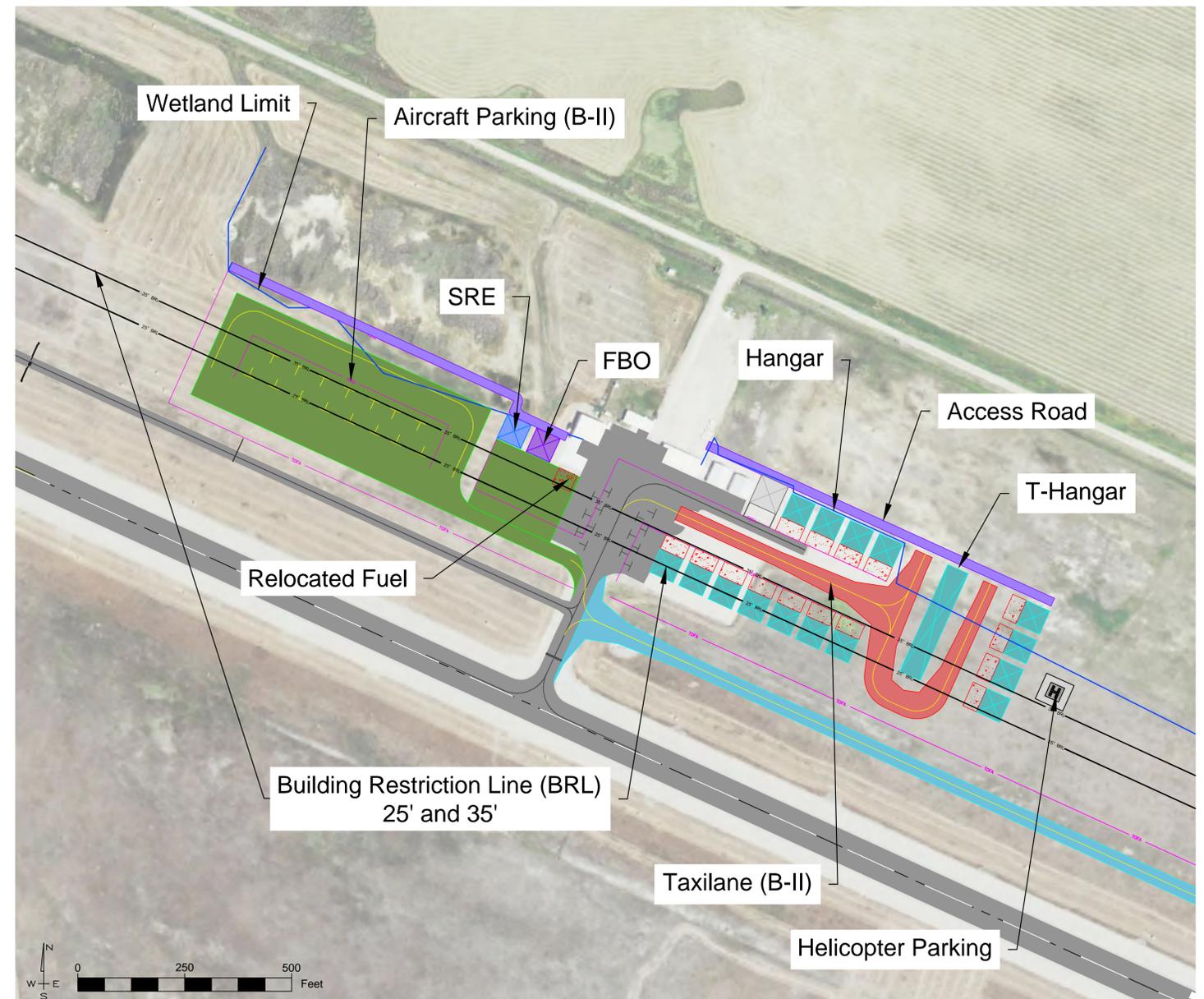
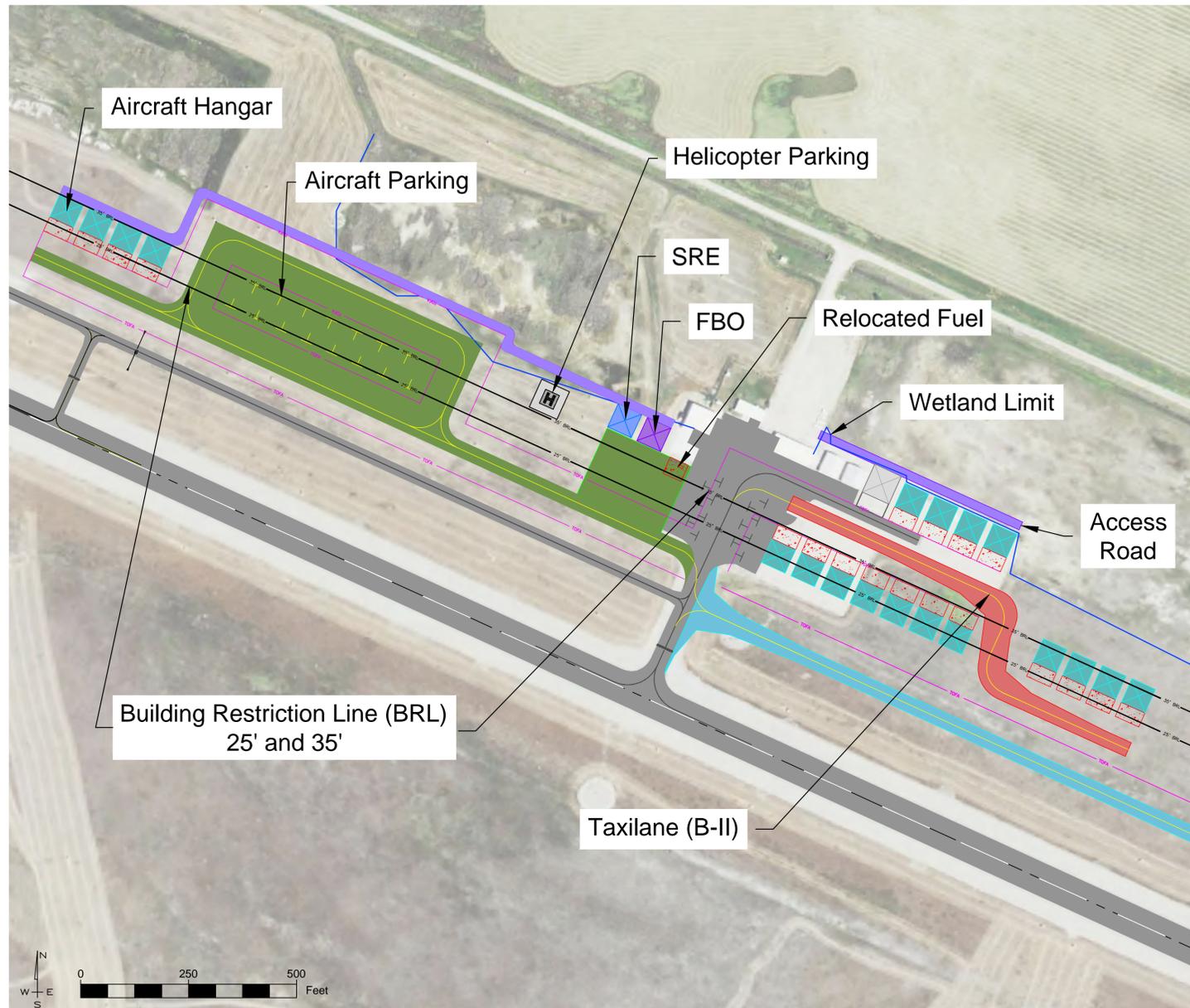
Alternative 3

- Shorten Runway 16/34 (210')
- Cost Estimate: \$97,000

* Alternative 1 is not feasible if Runway 16/34 is converted to a grass or turf runway (since runway of different nature would intersect)

** Cost estimates for Alternatives 1 and 2 do not include the land acquisition costs.

Landside Alternatives 1 and 2



Similar Characteristics:

- Additional Aircraft Hangars
- Additional Apron
- Helicopter Parking Pad
- Snow Removal Equipment Building (\$71,000)
- FBO

Alternative 1

Specific Characteristics:

- 19 New Box Hangars (60'*60')
- 15 Aircraft Parking Positions (B-II)

- Cost Estimate: \$2,642,000

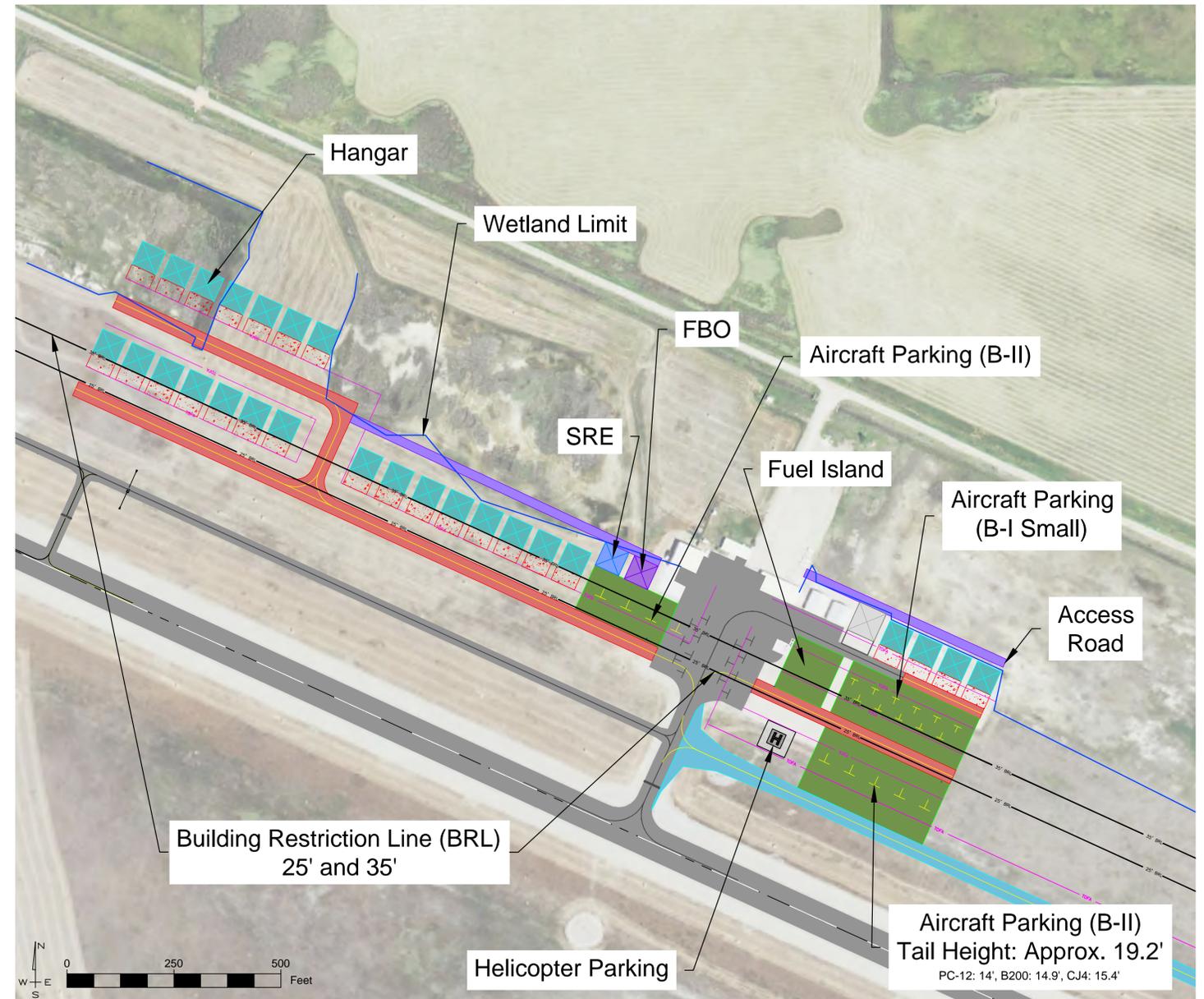
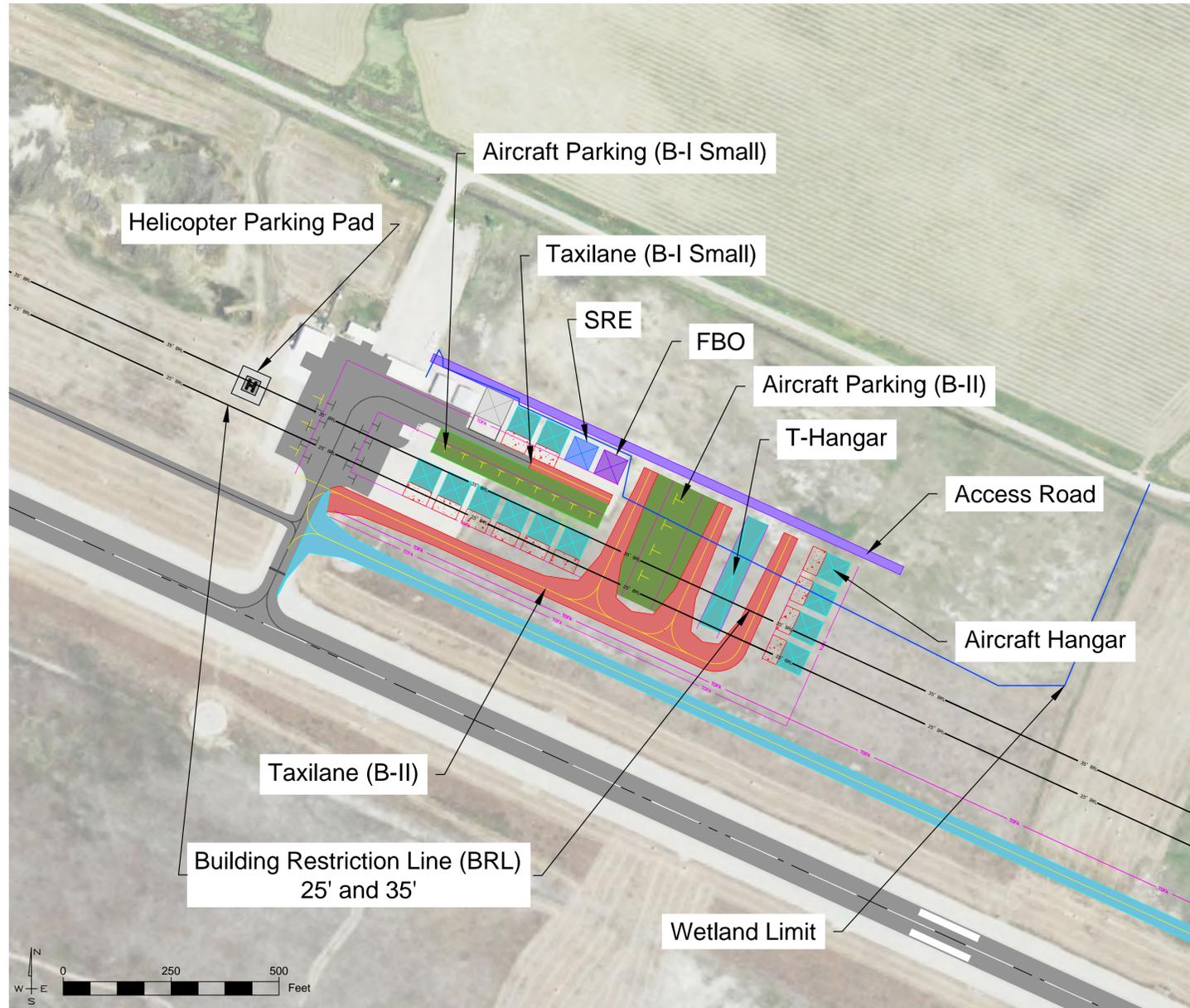
Alternative 2

Specific Characteristics:

- 16 New Box Hangars (60'*60')
- T-hangars (12 aircraft)
- 15 Aircraft Parking Positions (B-II)

- Cost Estimate: \$2,546,000

Landside Alternatives 3 and 4



Similar Characteristics:

- Additional Aircraft Hangars
- Additional Apron
- Helicopter Parking Pad
- Snow Removal Equipment Building (\$71,000)
- FBO

Alternative 3

Specific Characteristics:

- 12 New Box Hangars (60'*60')
- T-Hangar (12 aircraft)
- 7 Aircraft Parking Positions (B-II)
- 9 Aircraft Parking Positions (B-I Small)

- Cost Estimate: \$1,714,500

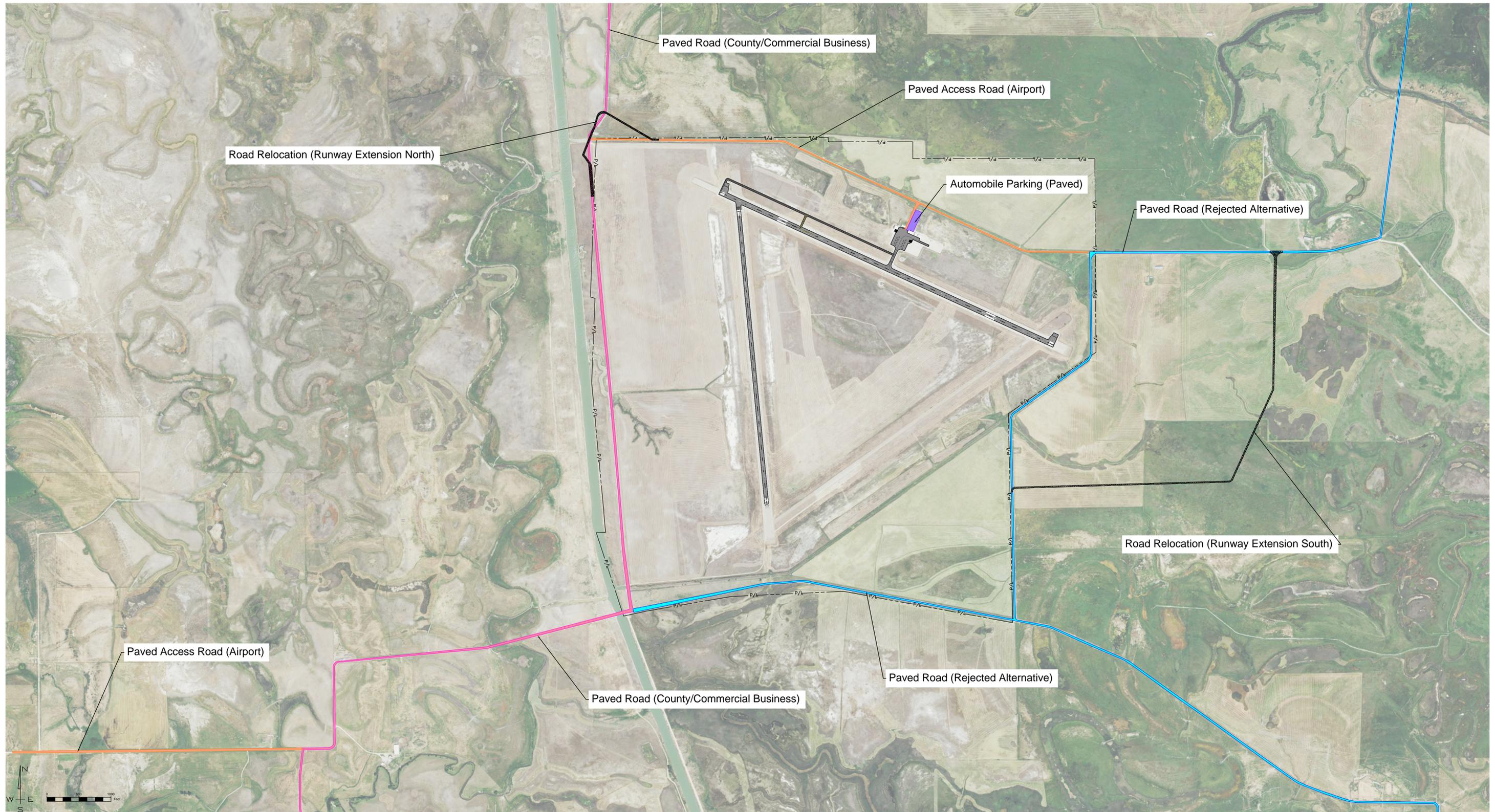
Alternative 4

Specific Characteristics:

- 26 New Box Hangars (60'*60')
- 9 Aircraft Parking Positions (B-II)
- 11 Aircraft Parking Positions (B-I Small)

- Cost Estimate: \$2,345,000

Access Road



Cost Estimate: \$2,135,000