



Planes, Trains, and Automobiles!

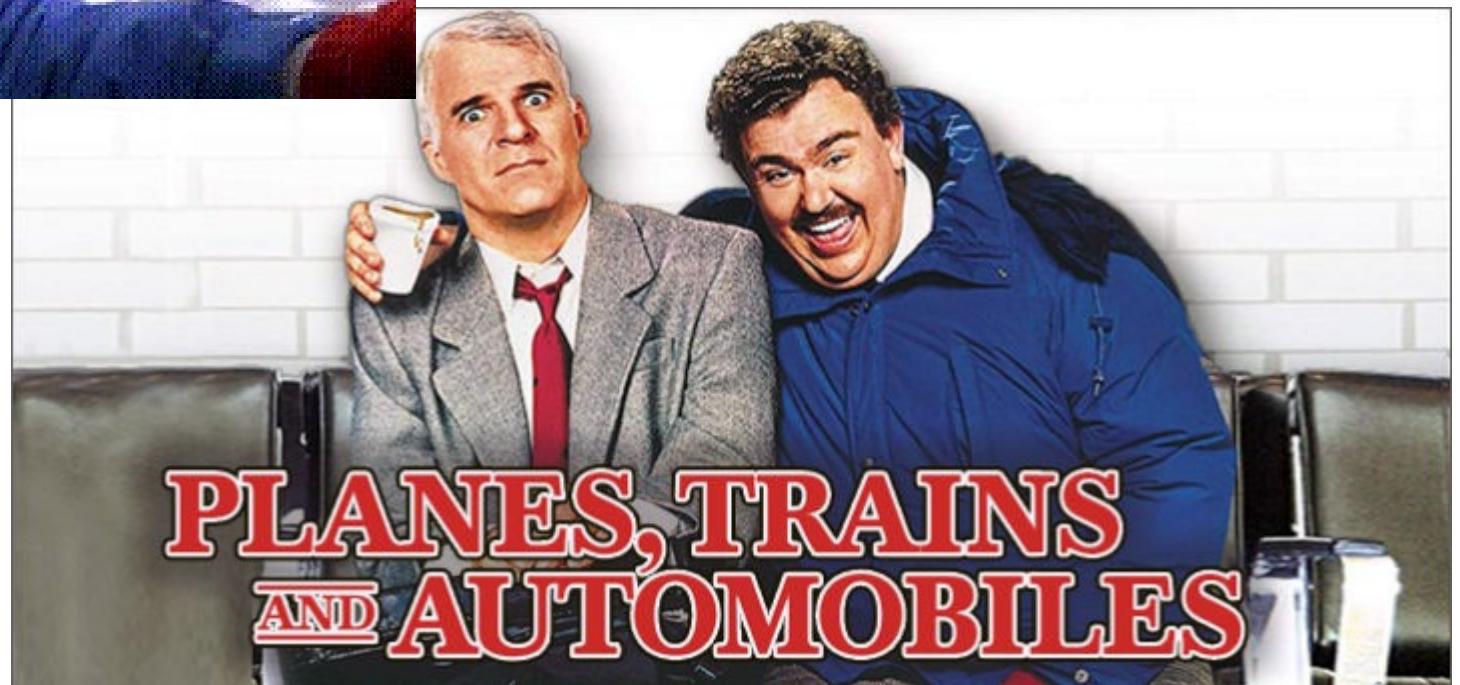
(MetroLink Extension to MidAmerica St. Louis Airport)

IDOT Fall Planning Conference

October 3, 2024

Daniel J Trapp, PE | Director of Engineering & Planning | MidAmerica Airport

Mark Harrison | Construction Manager | Gonzalez Companies

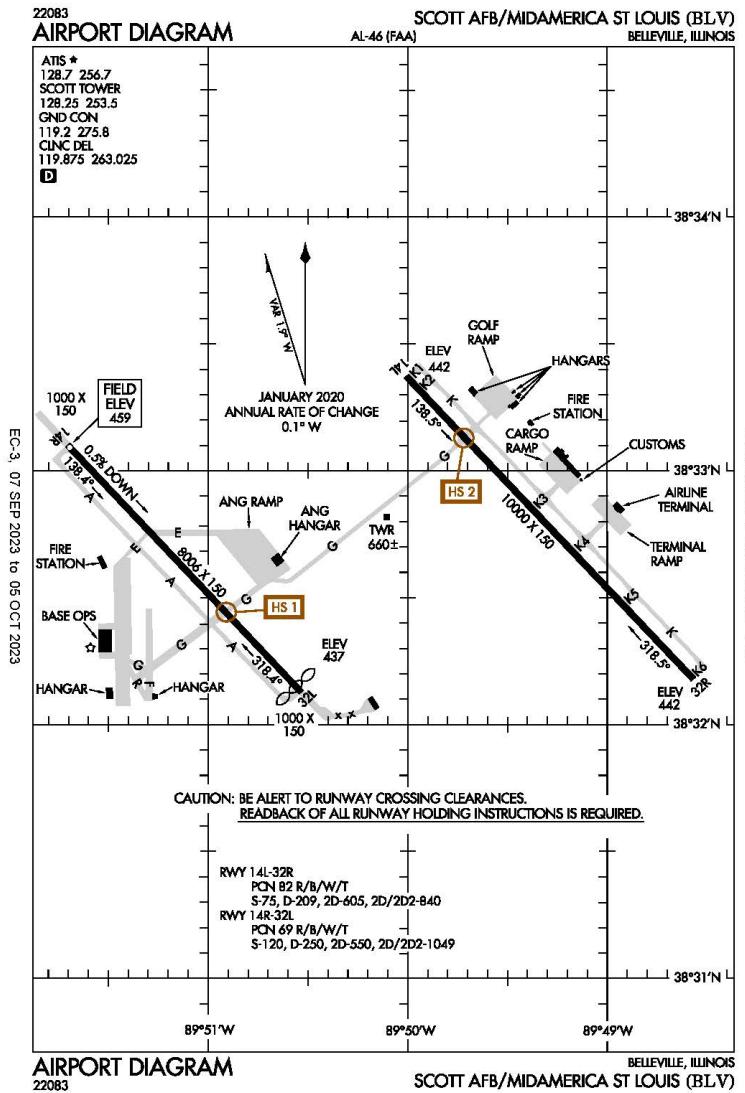


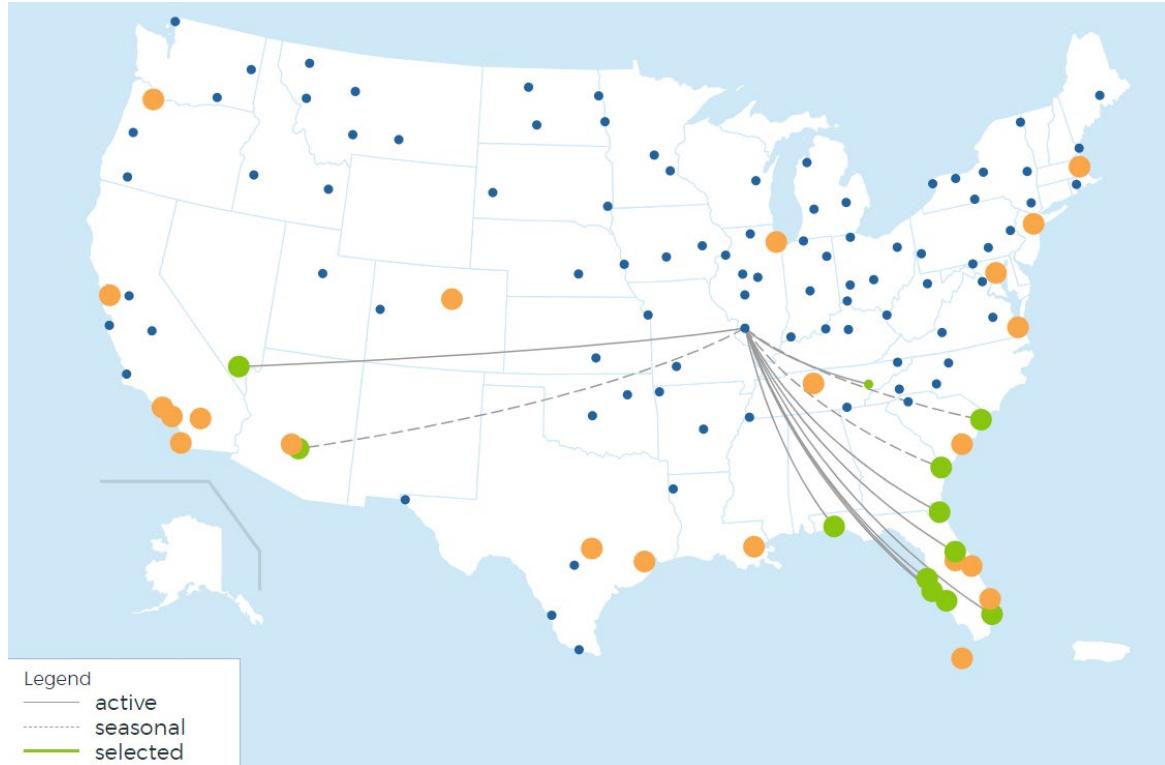


About BLV



- 3 Letter Identifier – BLV
- Commercial Service - Primary, Non-Hub (Airport Category)
- Joint Use with Scott AFB (One of only 21 Joint Use Airports in the Nation)
- 10,000 LF x 150 Ft Wide Runway 14L/32R (Civil)
- 8,006 LF x 150 Ft Wide Runway 14R/32L (Military)
- 7,000 Ft Separation between runways connected with Taxiway Golf





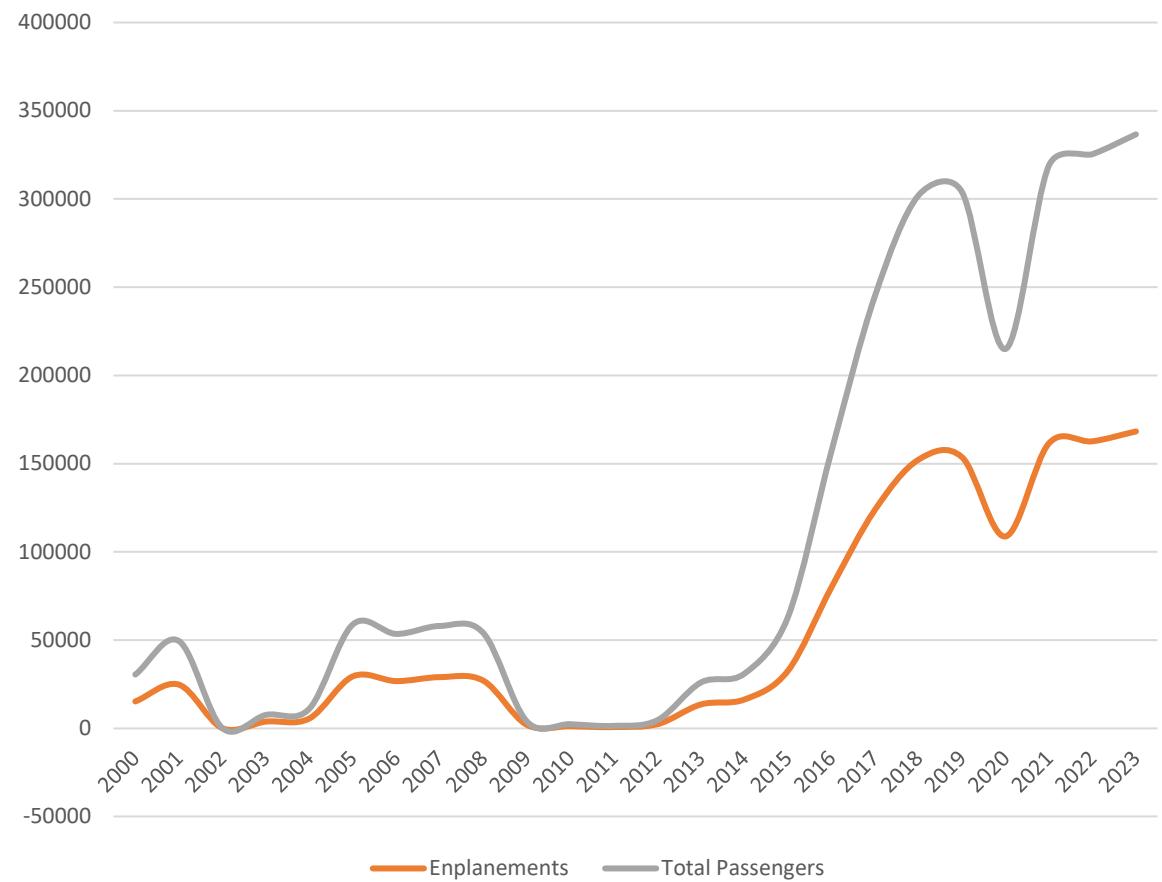
Allegiant Air (current routes)

1. Destin/Ft. Walton Beach FL (VPS)
2. Ft. Lauderdale/Miami FL (FLL)
3. Fort Myers / Punta Gorda (PGD)
4. Jacksonville FL (JAX)
5. Knoxville, TN (TYS)
6. Las Vegas NV (LAS)
7. Myrtle Beach SC (MYR)
8. Phoenix / Mesa, AZ (AZA)
9. Sanford / Orlando, FL (SFB)
10. Sarasota/Bradenton, FL (SRQ)
11. Savannah GA/Hilton Head SC (SAV)
12. Tampa / St. Pete, FL (PIE)

Illinois Airports & Enplanements (Commercial Service)

Rank	RO	ST	Locid	City	Airport Name	S/L	Hub	CY 22 Enplanements	CY 21 Enplanements	% Change
4	GL	IL	ORD	Chicago	Chicago O'Hare International	P	L	33,120,474	26,350,976	25.69%
30	GL	IL	MDW	Chicago	Chicago Midway International	P	L	9,650,281	7,680,617	25.64%
166	GL	IL	PIA	Peoria	General Downing - Peoria International	P	N	284,322	237,442	19.74%
171	GL	IL	MLI	Moline	Quad Cities International	P	N	269,885	246,248	9.60%
189	GL	IL	BMI	Bloomington-Normal Airport	Central II Regional/Bloomington-Normal	P	N	175,665	159,897	9.86%
192	GL	IL	BLV	Belleville	Scott AFB/Midamerica St Louis	P	N	162,819	161,562	0.78%
214	GL	IL	RFD	Rockford	Chicago/Rockford International	P	N	121,544	102,779	18.26%
250	GL	IL	SPI	Springfield	Abraham Lincoln Capital	P	N	72,466	60,949	18.90%
257	GL	IL	CMI	Savoy	University of Illinois/Willard	P	N	64,715	56,700	14.14%
397	GL	IL	MWA	Marion	Veterans Airport of Southern Illinois	P	N	10,399	10,522	-1.17%
407	GL	IL	DEC	Decatur	Decatur	CS	None	9,871	9,001	9.67%
477	GL	IL	UIN	Quincy	Quincy Regional-Baldwin Field	CS	None	4,774	7,418	-35.64%

Total Passengers (by year)



- Airport Master Plans are a vital component to airport planning.
- FAA Advisory Circular (AC) 150/5070-6B - Airport Master Plans
- The airport master planning process typically results in a Master Plan Report, Airport Layout Plan, and Exhibit A (Airport Property Map)



Advisory Circular

Subject: Change 2 to Airport Master Plans

Date: 1/27/2015

AC No.: 150/5070-6B

Initiated by: APP-400

Change: 2

1. PURPOSE. This Change 2 incorporates additional guidance on passenger convenience, ground access, and access to airport facilities, as identified in Section 131 of Public Law 112-95, “FAA Modernization and Reform Act of 2012 (49 U.S.C. § 47101(g)(2)).” Additional provisions of Public Law 112-95 such as Section 132 (b) which amended the definition of airport planning to include plans for recycling and minimizing the generation of airport solid waste (49 U.S.C § 47102(b)(5)(C)), and Section 133 providing that master plans address issues related to solid waste recycling and waste minimization (49 U.S.C. § 47106(a)(6)(A)) have been addressed in separate FAA guidance. These and related considerations will be incorporated into a future change to this AC.

- Master Plan, Airport Layout Plan, and Exhibit A were produced upon initial airport development.
- The most recent update was completed in Fall 2021.

Airport Layout Plan
For
MidAmerica St. Louis Airport
Belleville, Illinois

November, 2021
Last Revision: September, 2022

Index To Sheets

1. Title Sheet
2. Existing Airport Layout Drawing
3. Future Airport Layout Drawing
4. Terminal Area Drawing (North)
5. Airport Data Sheet
6. Terminal Area Drawing (South)
7. Terminal Area Drawing (South)
8. Terminal Area Drawing (South)
9. Airport Airspace Drawing (South)
10. Airport Airspace Drawing (South)
11. Airport Airspace Drawing (Southwest)
12. Airport Airspace Drawing (Southwest)
13. Inner Portion of the Approach Surface Drawing - Runway 14L (Existing/Future)
14. Inner Portion of the Approach Surface Drawing - Runway 32R (Existing/Future)
15. Inner Portion of the Approach Surface Drawing - Runway 14R (Existing/Future)
16. Inner Portion of the Approach Surface Drawing - Runway 32L (Existing/Future)
17. Part 77 Approach and Runway Departure Surface Drawing - Runway 14L (Existing/Future)
18. Part 77 Approach and Runway Departure Surface Drawing - Runway 32R (Existing/Future)
19. Part 77 Approach and Runway Departure Surface Drawing - Runway 14R (Existing/Future)
20. Part 77 Approach and Runway Departure Surface Drawing - Runway 32L (Existing/Future)
21. Land Use Drawing
22. Obstruction Tables Runway 14R/32L (Existing/Future)
23. Land Use Drawing
24. Vicinity Map
25. Airport Property Data Tables
26. Airport Property Data Tables

Location Map



Vicinity Map



MidAmerica St. Louis Airport

CMT

Approved: *Richard J. Brown, P.E.*
Date: September 21, 2022

Approved: *Benjamin J. Lutz*
Date: September 21, 2022

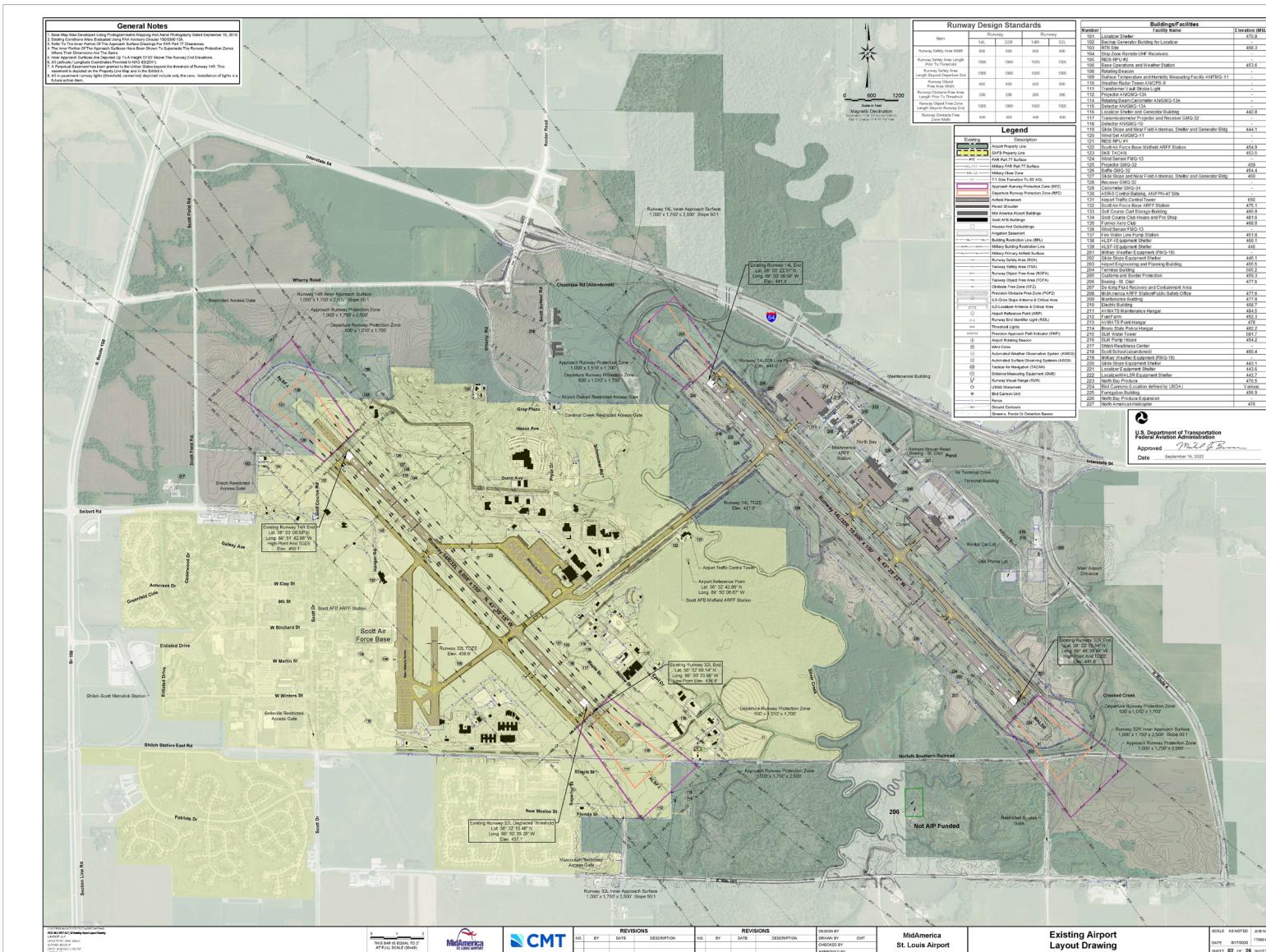
Submitted by *Benjamin J. Lutz*
Date: September 21, 2022



Airport Planning and Master Plans



Existing Airport Layout Plan

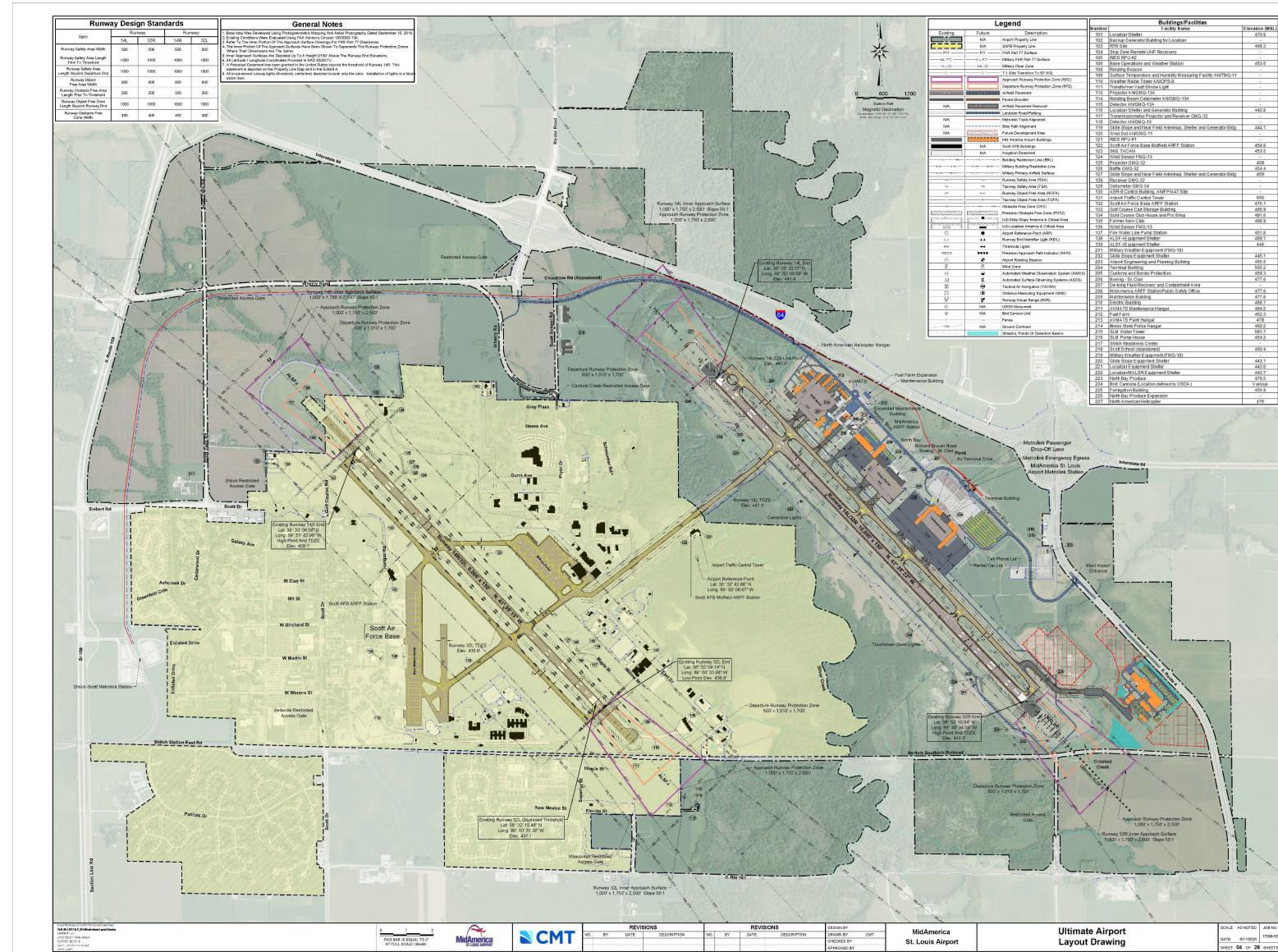




Airport Planning and Master Plans



Ultimate Airport Layout Plan



1. Terminal Expansion
2. Taxiway Lima / Boeing Production Facility
3. MetroLink Extension to BLV





Project Overview

- ▶ 5.2-mile extension of **MetroLink Light Rail System** from existing Shiloh-Scott Station to MidAmerica St. Louis Airport
- ▶ **MetroLink Passenger Station** at MidAmerica St. Louis Airport
- ▶ 5-mile extension of the **Bike Trail** from Shiloh-Scott Station to MidAmerica St. Louis Airport
- ▶ 0.3-mile **Extension of Rieder Road** from Wherry Road to SAFB Cardinal Creek Gate
- ▶ 2.4-mile **Access Roadway** from Rieder Road Extension to Airport Boulevard

Project Partners



Lead Agency
St. Clair County Transit District



St. Clair County
Elected Officials
Public Building Commission
MidAmerica St. Louis Airport
St. Clair County Highway Dept.



Owner/Operator
Bi-State Development aka Metro



Funding
Illinois Department of Transportation

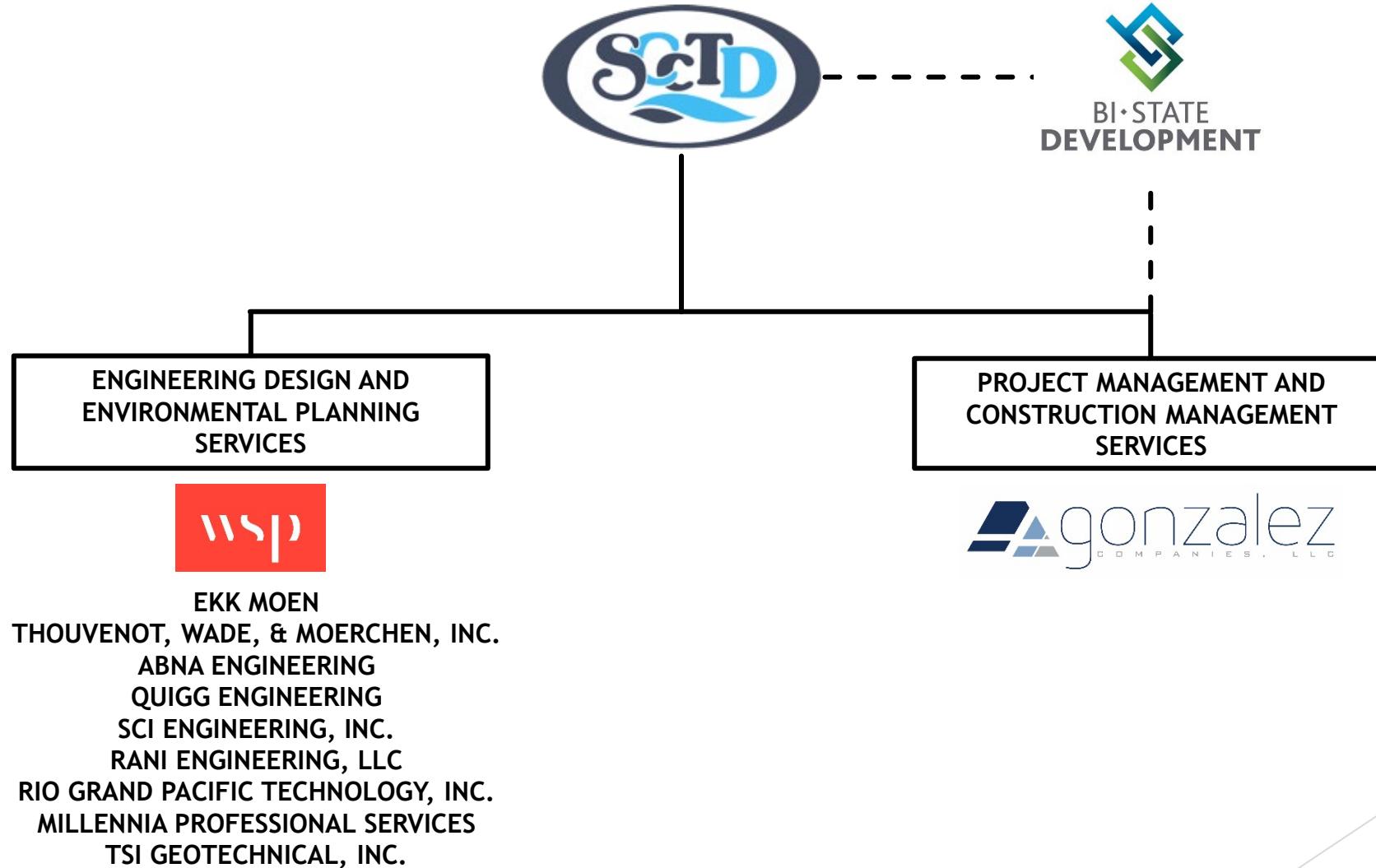


SCCTD Representative
Gonzalez Companies, LLC

Other Involved Agencies

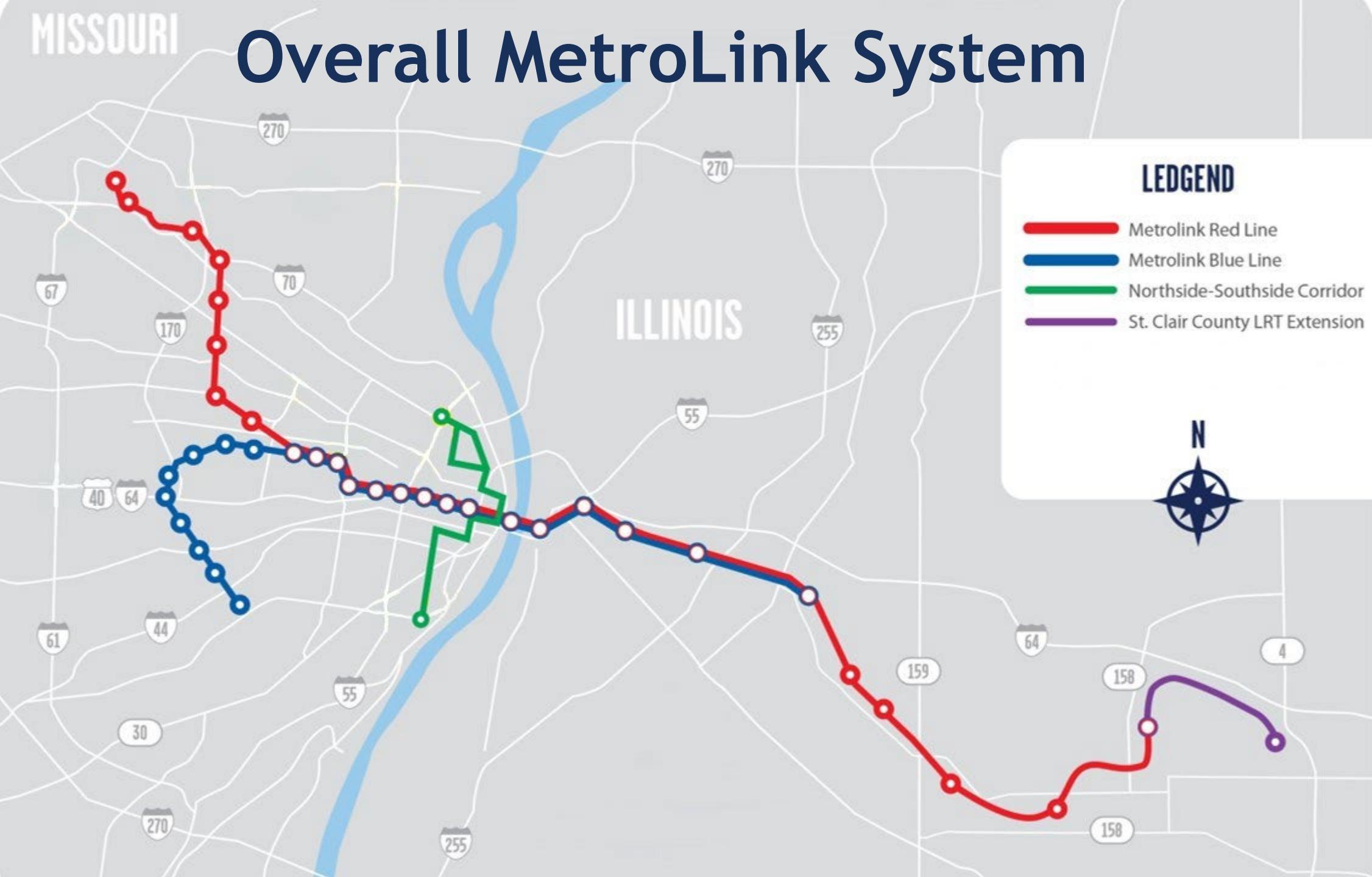
United State Army Corps of Engineers (USACE)
Scott Air Force Base (SAFB)
Federal Aviation Administration (FAA)
Illinois Department of Natural Resources (IDNR)
Illinois Environmental Protection Agency (IL EPA)
Illinois State Historical and Preservation Office (IL SHPO)
Tribal Nations
City of Mascoutah

Project Team

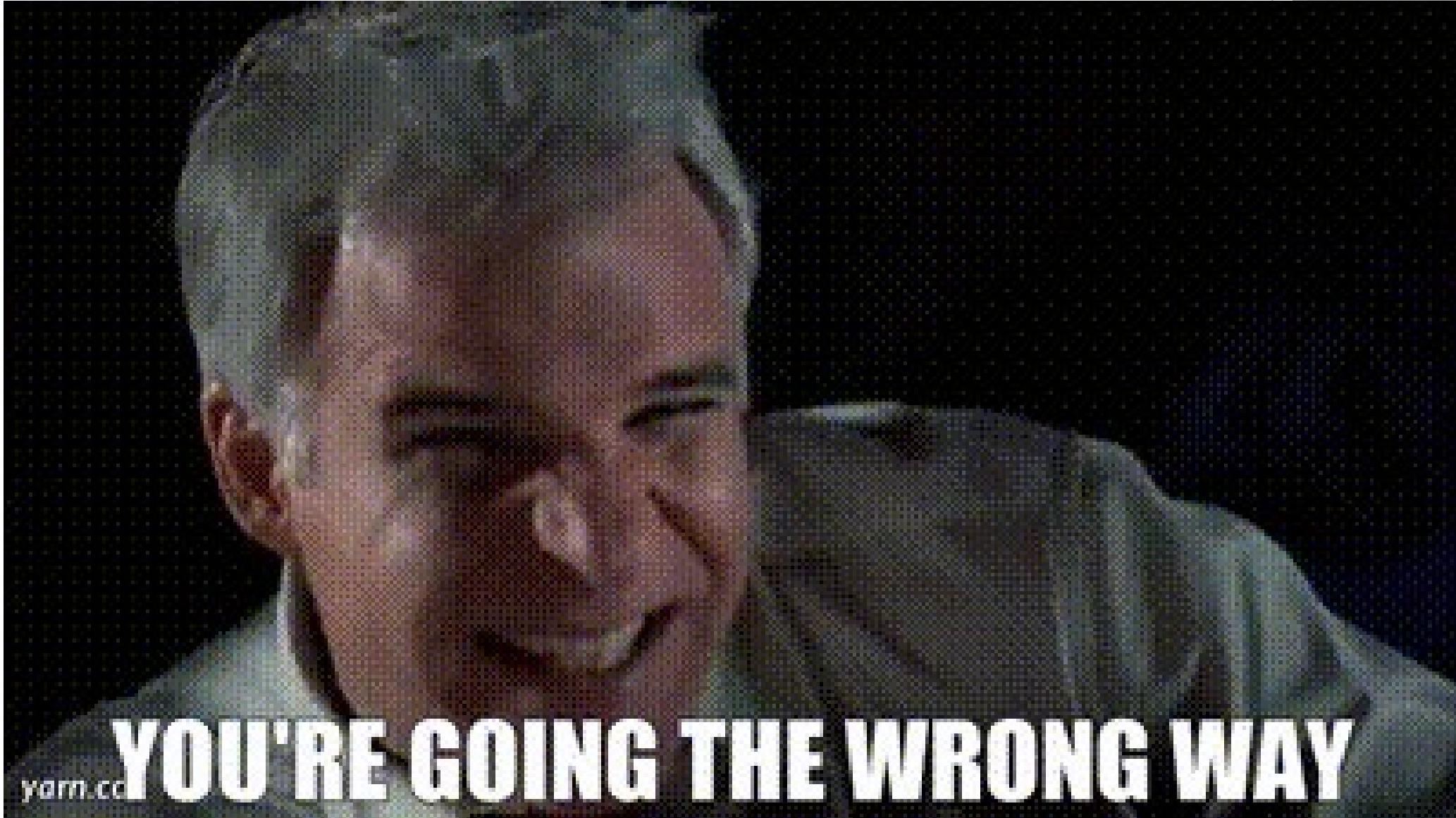


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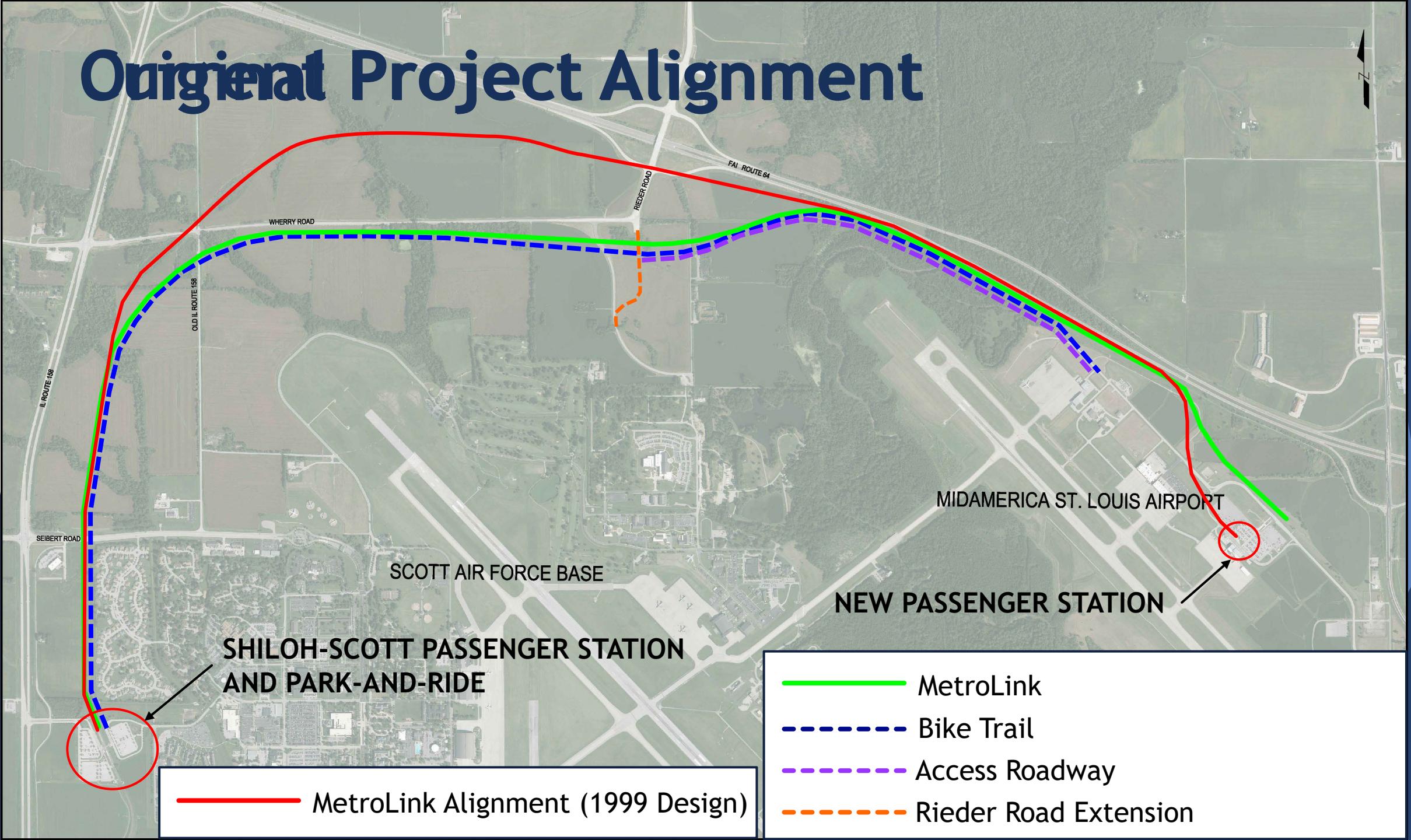
Overall MetroLink System

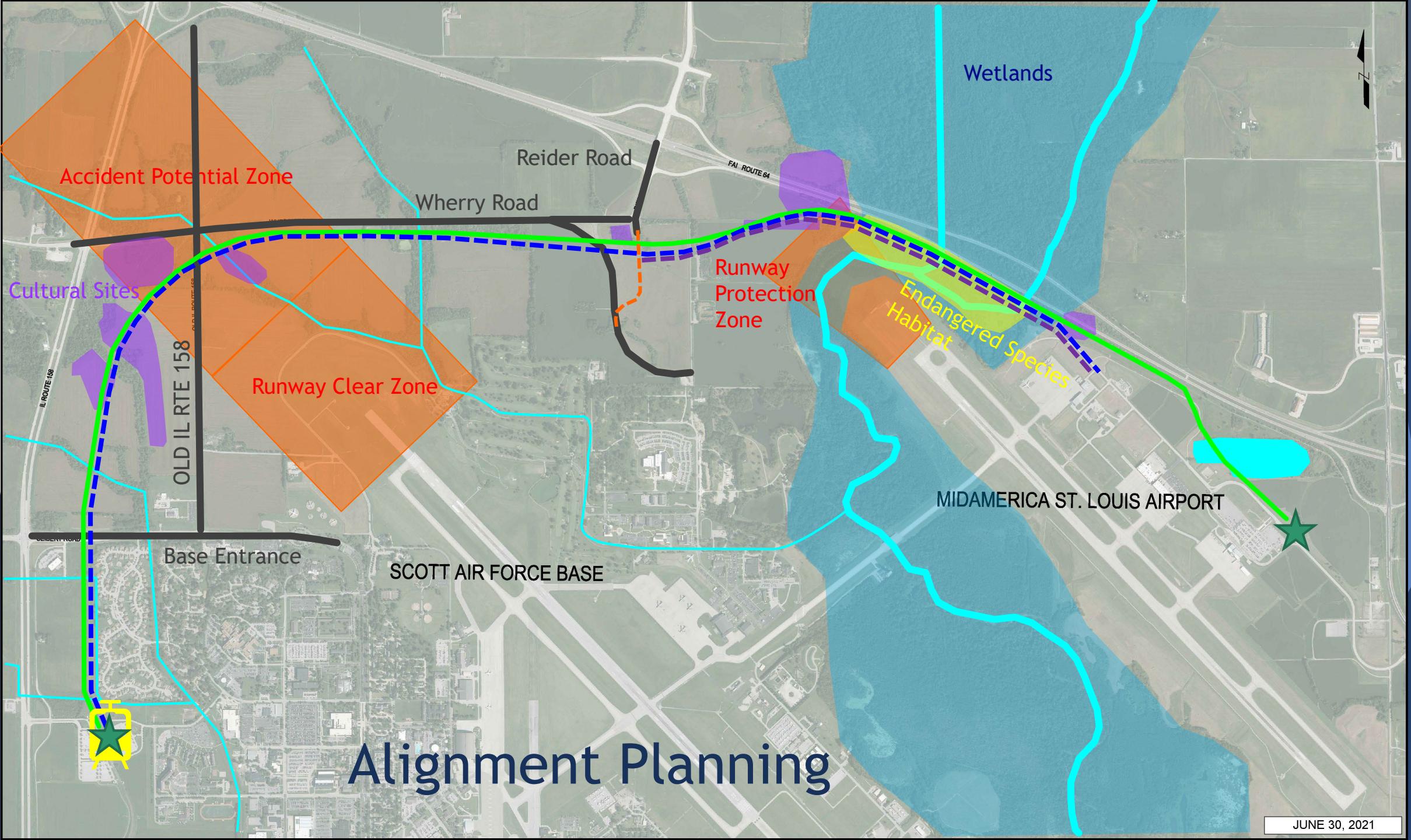


Shiloh-Scott to BLV Alignment



Ouigkeit Project Alignment

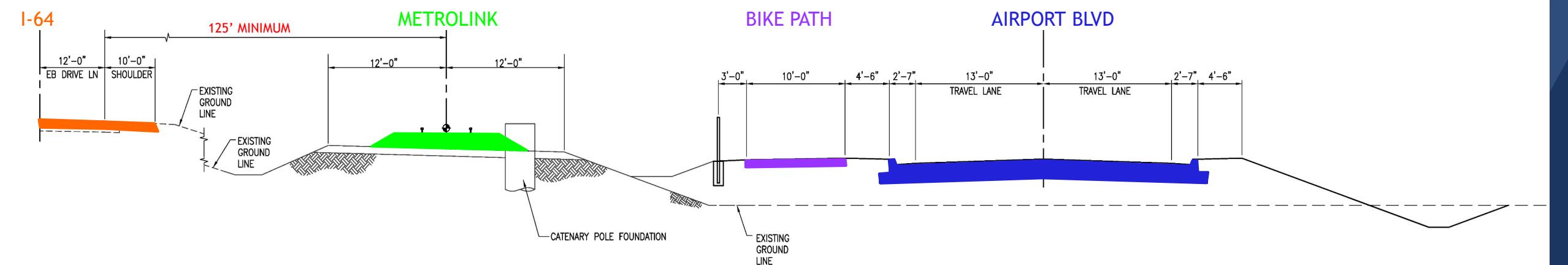




Alignment Planning

JUNE 30, 2021

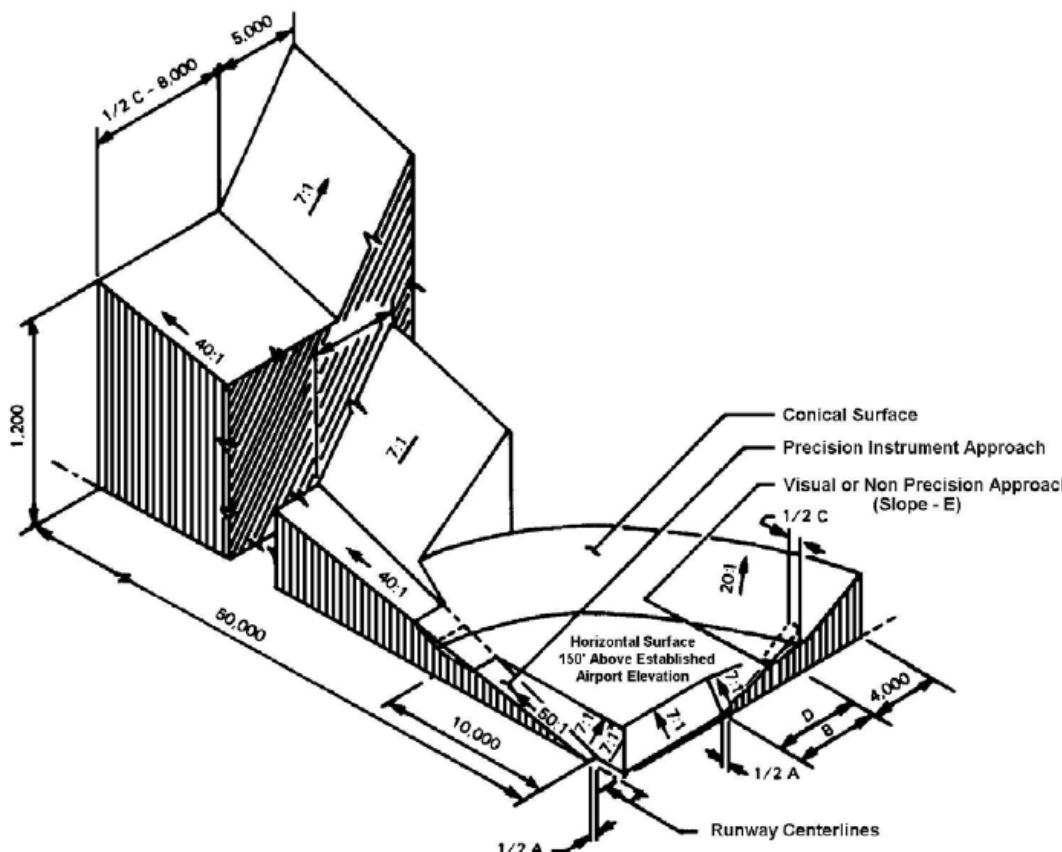
TYPICAL SECTION ALONG I-64



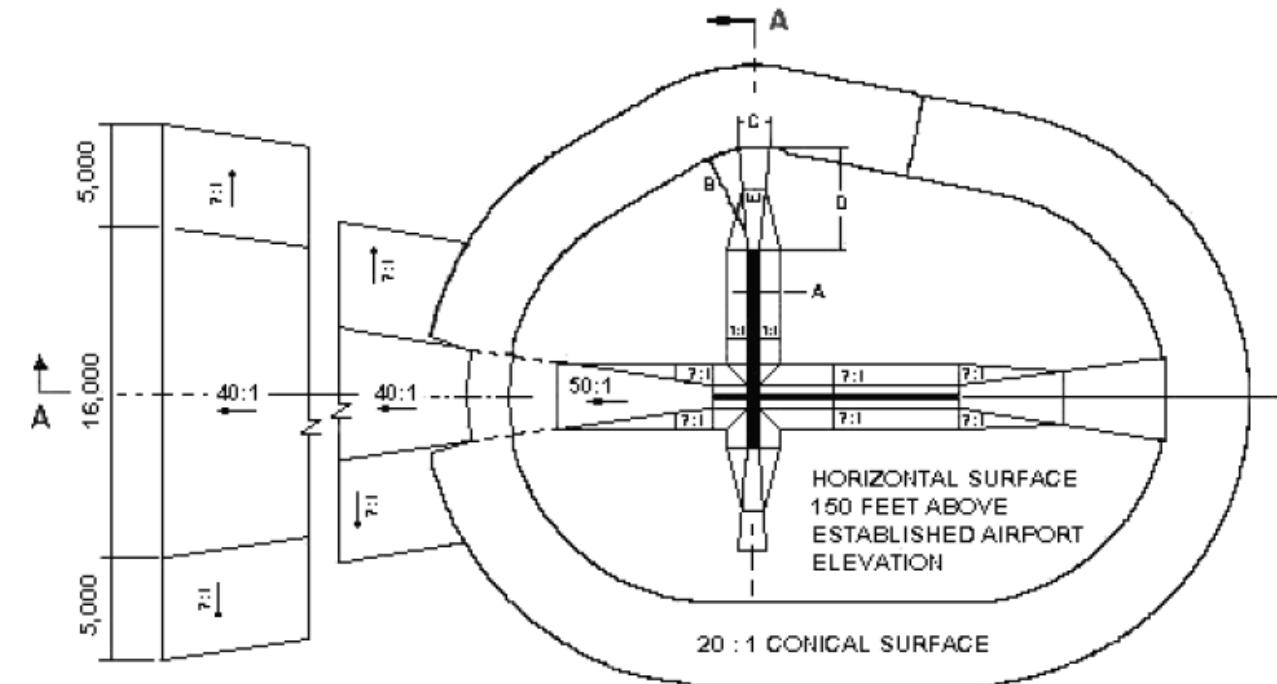
FAA COORDINATION

- ▶ Coordination of permanent and temporary construction with FAA Part 77 Surfaces
- ▶ Submittal of permanent and temporary construction through the OE/AAA system
- ▶ Height restrictions for construction equipment and permanent construction

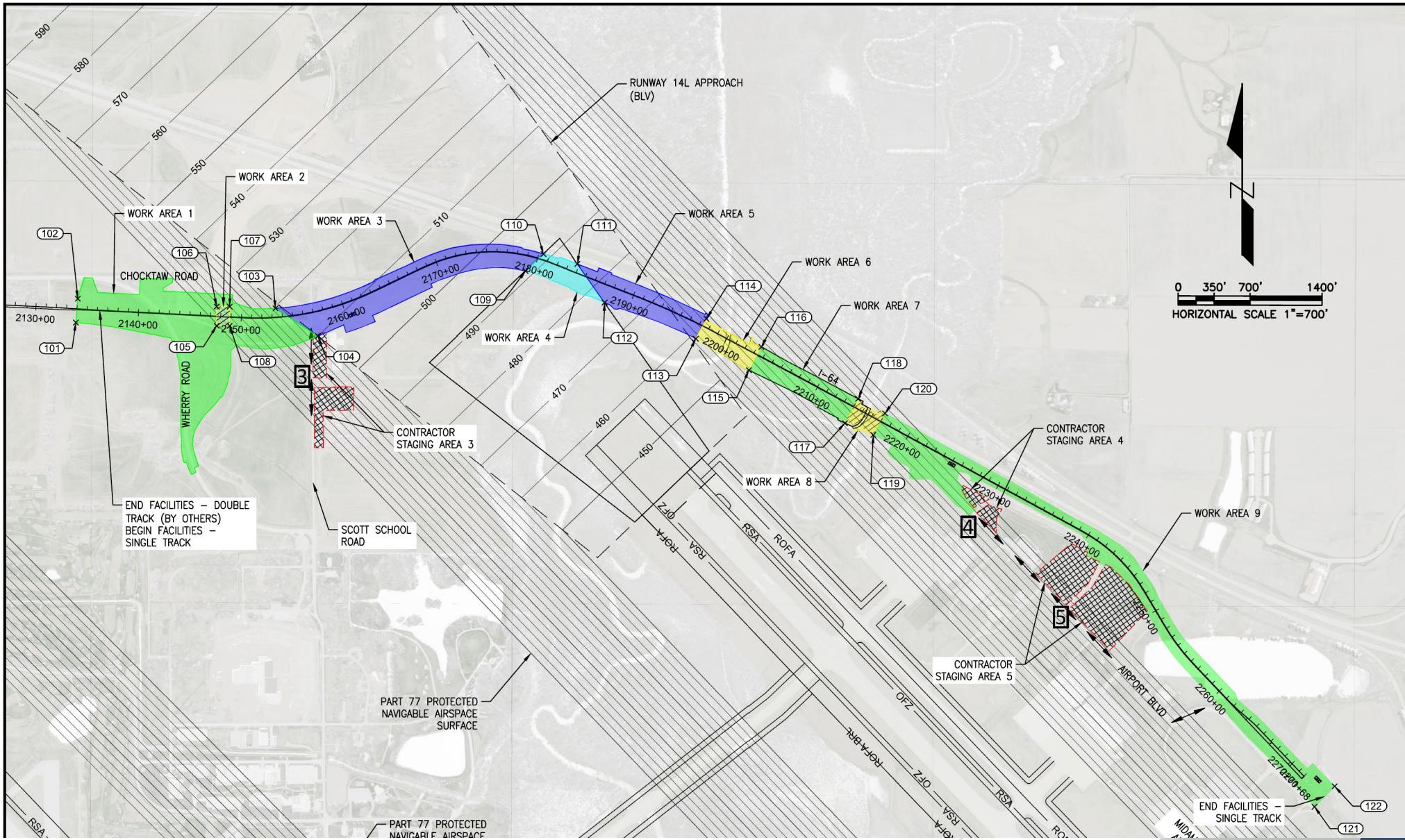
Imaginary Surfaces



Two-Dimensional Graphical Depiction



FAA COORDINATION



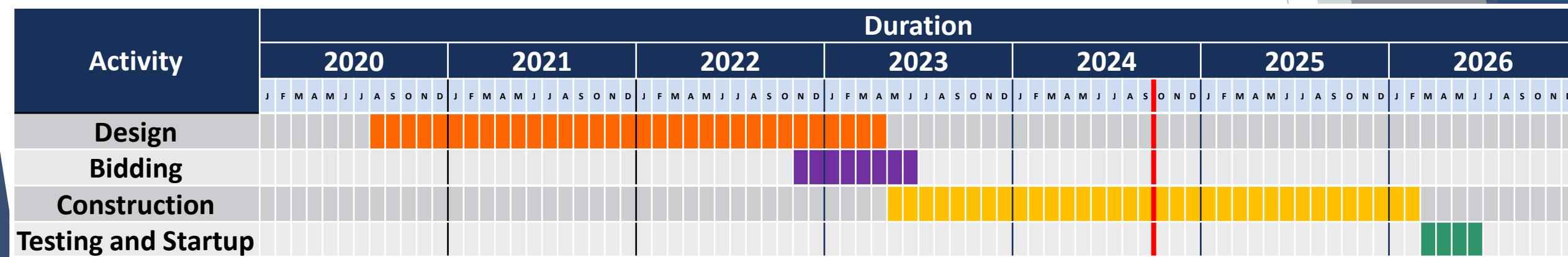
Project Schedule



Police officer: "Do you have any idea how fast you were going?" Del: "Funny enough, I was just talking to my friend about that. Our speedometer is melted, and as a result, it's very hard to say with any degree of accuracy exactly how..uh..fast we were going."

Project Schedule

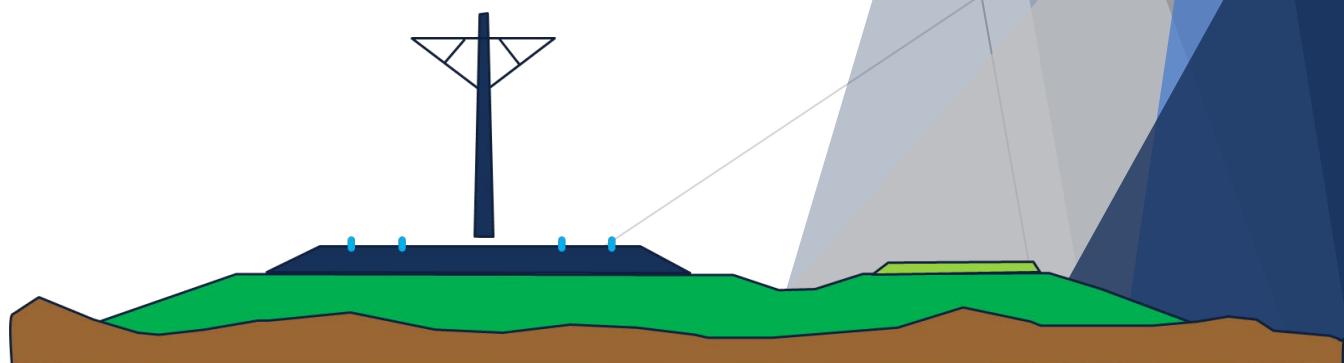
- ▶ Major construction began in Spring 2023
- ▶ Major construction activities are scheduled to be completed late Winter 2025
- ▶ Revenue Service is anticipated for late Spring to early Summer 2026





Design/Bid/Construction Contracts

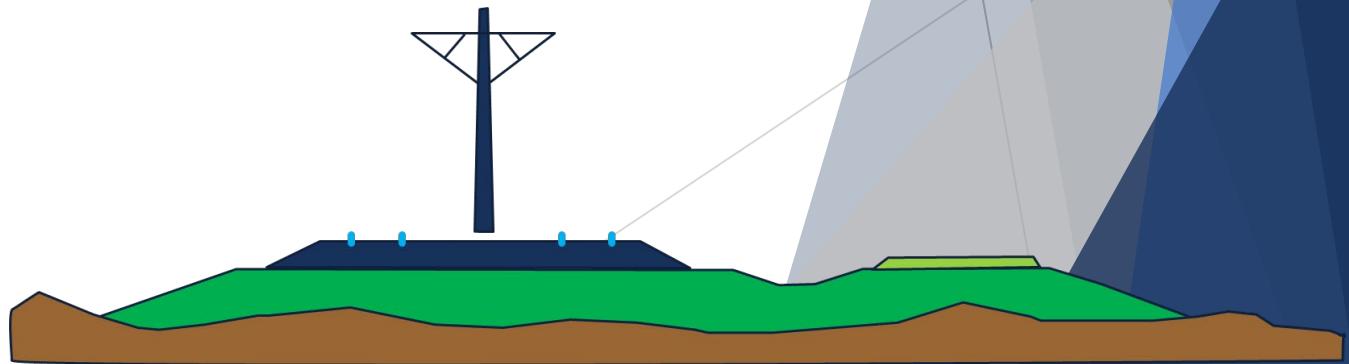
- ▶ Tree Removal and Water Crossing
- ▶ Facilities - Double Track
- ▶ Facilities - Single Track
- ▶ Access Roadway
- ▶ Bike Trail Paving
- ▶ Systems (Trackwork/Traction Power/Signals Communications)





Status of Contracts

- ▶ Tree Removal and Water Crossing - Completed
- ▶ Facilities - Double Track - Completed
- ▶ Facilities - Single Track - In Construction
- ▶ Access Roadway - In Construction
- ▶ Systems - In Construction
- ▶ Bike Trail Paving - To be Bid in Spring 2025



Project Participation

Construction Contract	General Contractor	Sub Contractor	DBE Participation
Tree Removal and Water Crossing	Local	NA	NA
Facilities - Double Track	Local	Local	25%
Facilities - Single Track	Local	Local	25%
Access Roadway	Local	Local	25%
Systems	National	Local	15%
Bike Trail Paving	Local	Local	25%

Construction Photos











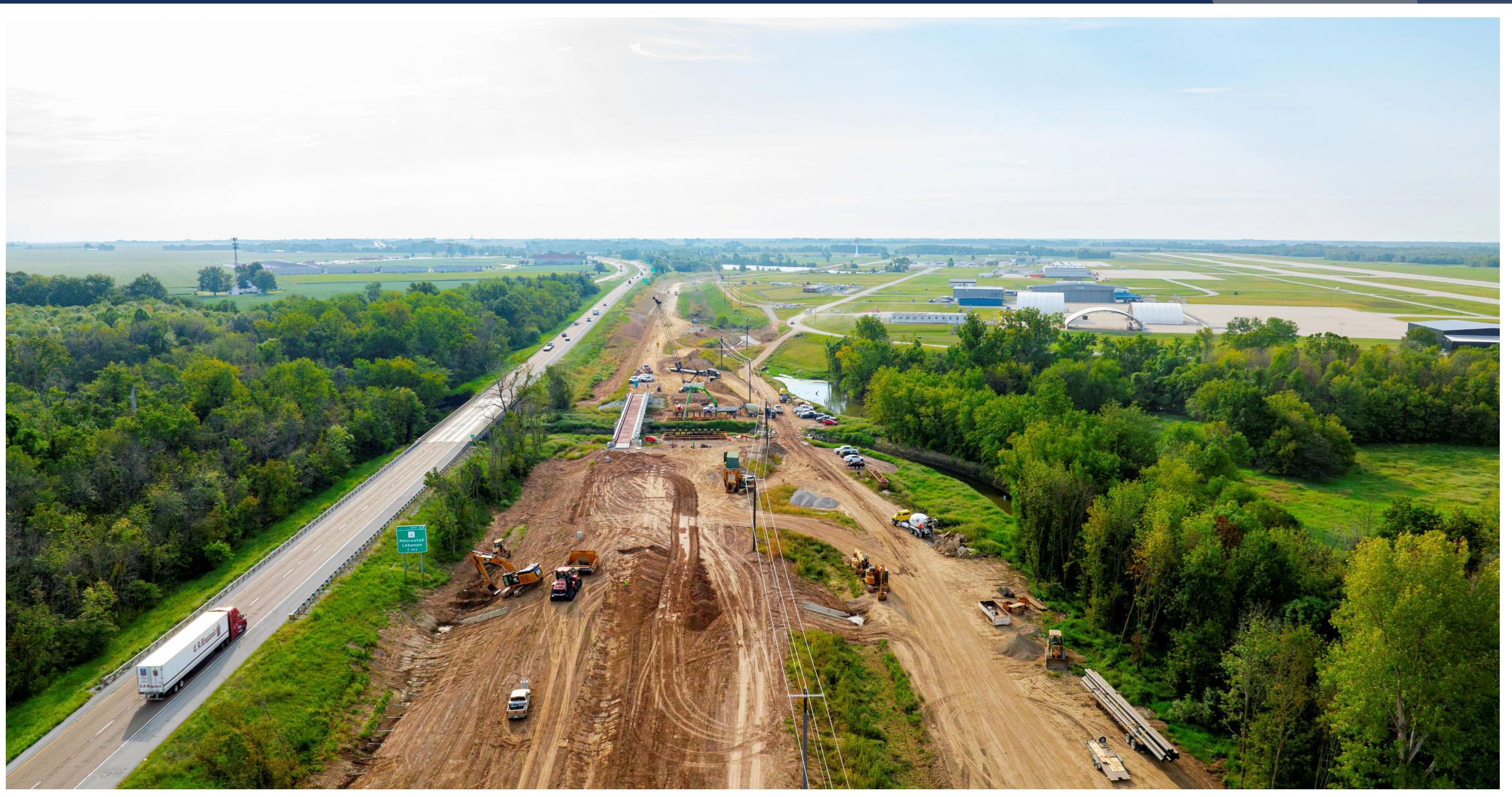




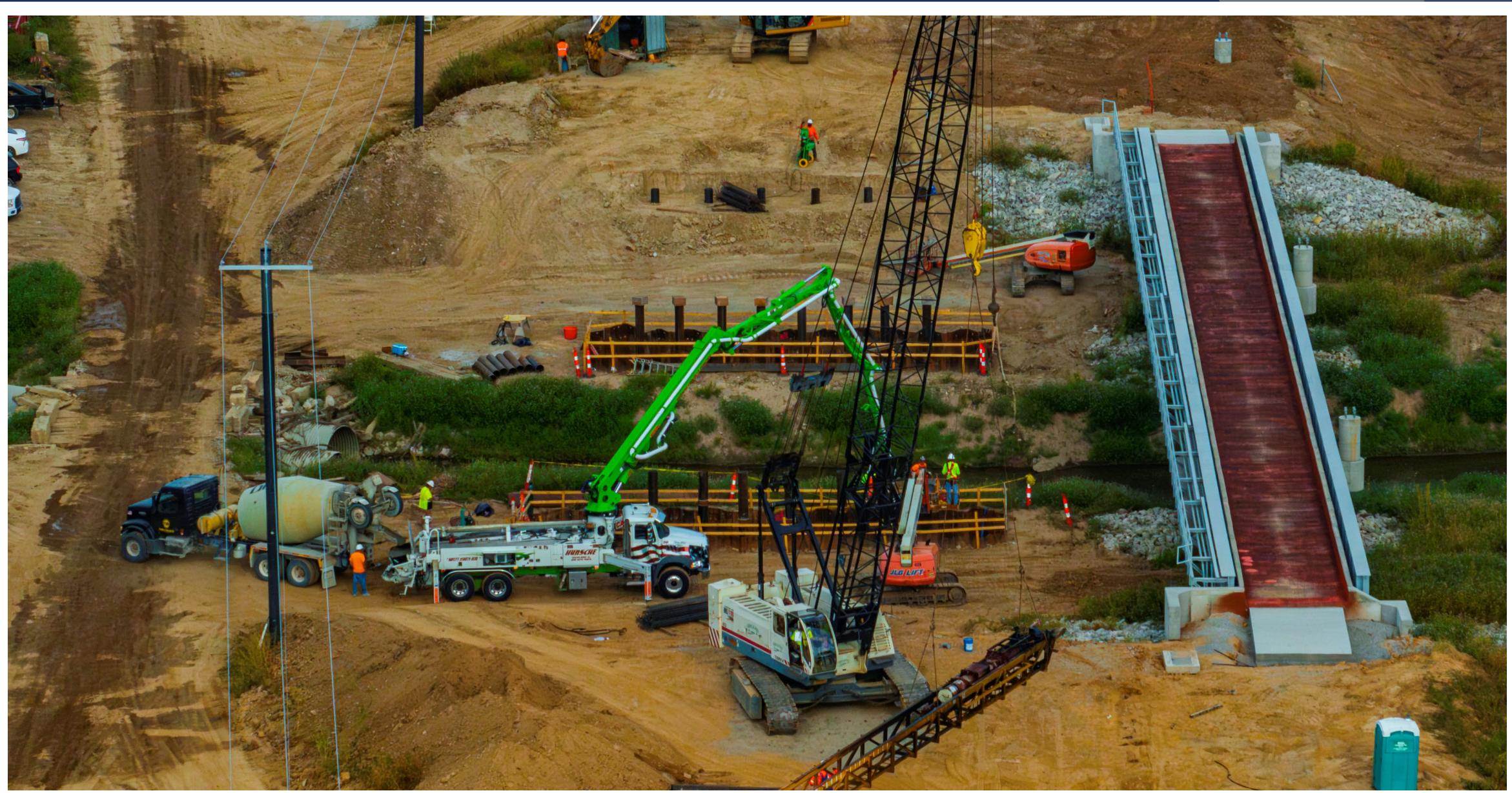












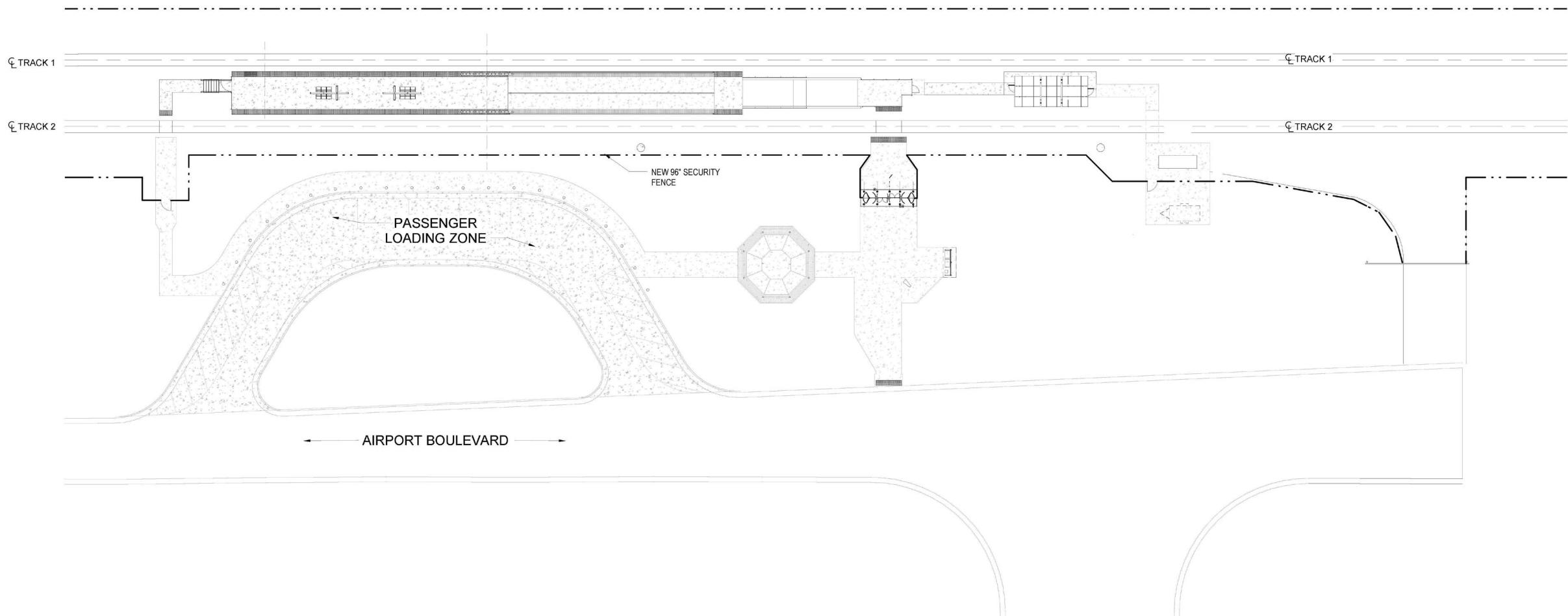








New Passenger Station at BLV



Pedestrian Access to / from the Terminal

- ▶ Approximately 800' from front door of terminal to station platform.
- ▶ At grade crossing at Airport Blvd
- ▶ Planned covered walkway through long term parking lot (currently unfunded)
- ▶ Project in planning phase with planned completion by Spring 2026 to coincide with Revenue Service



WSP

Questions??

