

RFQ 2309 Pre-Submission Conference 8/4/23, 10 am

1. Introductions - AJ

- Casey Ries – GFIAA Director of Engineering & Planning
- Michelle Baker – GFIAA Environmental Manager
- AJ Nye – GFIAA Procurement Specialist

2. RFQ Process Overview – AJ

Solicitation Schedule	
RFQ Issue Date	July 20, 2023
Question Deadline	August 9, 2023, at 2 pm
Submission Due Date	August 17, 2023, at 2 pm
Contract Start Date	Fall 2023

Submission Format:

Electronic via dropbox or hard copy

Evaluation Process:

1. Review of submissions based on stated criteria
2. Option for Shortlist Interviews

3. Project Overview – Casey/Michelle

- Project Needs
- Project Goals
- Expectations

4. Questions – Casey/Michelle/AJ

5. Links:

- **Meeting Link:** [Click here to join the meeting](#)
 - i. Or: **Meeting ID:** 240 163 174 614 **Passcode:** BHR4Ke
- **Dropbox submission:** <https://www.dropbox.com/request/VwiGgUh22luS6fvbdOEp>

MEETING NOTES:

- **Please remain muted unless you have a question. We will have a Q&A section at the end of the meeting.**



SIGN IN SHEET
RFQ 2308 NEPA On-Call –Pre-bid Meeting

August 4, 2023 @ 10 am

	Business Name	Attendee	Email
1	GFIAA	Casey Ries	cries@grr.org
2	GFIAA	Michelle Baker	mbaker@grr.org
3	GFIAA	AJ Nye	anye@grr.org
4	RS&H	David Alberts	David.Alberts@rsandh.com
5	HMMH	Ariana Loftis	aloftis@hmmh.com
6	RS&H	Elizabeth Arredondo	Elizabeth.Arredondo@rsandh.com
7	OHM Advisors	Brandon Ellefson	Brandon.Ellefson@ohm-advisors.com
8	CHA Companies	Simon Davies	SDavies@chacompanies.com
9	Woolpert	Morgan Einspahr	Morgan.Einspahr@woolpert.com
10	RS&H	David Full	David.Full@rsandh.com
11	C&S	Gayle McKee	gmckee@cscos.com
12	HMMH	Giomar Iglesias	giglesias@hmmh.com
13	Kimley Horn	Teresa Gresham	Teresa.Gresham@kimley-horn.com
14	CHA Companies	Mark Heckroth	MHeckroth@chacompanies.com
15	C&S	Kara Young	kyoung@cscos.com
16	OHM Advisors	Larry Bowron	Larry.Bowron@ohm-advisors.com
17	Mead & Hunt	Mark Breukink	mark.breukink@meadhunt.com



SIGN IN SHEET
RFQ 2308 NEPA On-Call – Pre-bid Meeting

August 4, 2023 @ 10 am

	Business Name	Attendee	Email
18	Kimley Horn	Elaine Samolytz	Elaine.Samolytz@kimley-horn.com
19	HMMH	Sara Kaplan	skaplan@hmmh.com
20	CHA Companies	Brittany Smith	BSmith@chacompanies.com
21	Mead & Hunt	Stephanie Ward	stephanie.ward@meadhunt.com
22	Woolpert	Mary Jo Uyttebrouck	MaryJo.Uyttebrouck@woolpert.com
23	OHM Advisors	Valerie Novaes	Valerie.Novaes@ohm-advisors.com
24	OHM Advisors	Wade Rose	Wade.Rose@ohm-advisors.com
25	Mead & Hunt	William Ballard	william.ballard@meadhunt.com

1. Is the new Air Traffic Control Tower included in scope?
 - a. This project is being funded and managed by the Federal Aviation Administration. This will not have any tasks for the selected consultant to complete.
2. Is the ARFF Relocation project included in the scope of this RFQ?
 - a. No, NEPA for this project has already been completed.
3. Should a design team be included in the response?
 - a. A design team is not required to be included. Those who choose to include one will not be evaluated for this, and those without will not receive any penalty in the review.
4. Would a NEPA Environmental Assessment document be a separate solicitation or all levels of NEPA included in this RFQ?
 - a. It is GFIAA's intent that the selected consultant will prepare all necessary NEPA documentation for development projects at the airport, up to and including a full Environmental Assessment (EA). We do not currently anticipate the need for a full EA for any of the projects within the ACIP. However, one may be required for non-aeronautical development projects. Coordination with the ADO and other potential resource agencies will be necessary in determining the complexity of the NEPA submittal.
5. Do we need to submit a full team of subconsultants along with our team?
 - a. A full subconsultants list is not required to be provided in this response. The GFIAA will rely on the selected consultant to perform the tasks described in the RFQ but understands that there may be times in which subconsultants are required to perform the task.
6. Do we need to provide full resumes or just a brief summary of experience for our proposed staff?
 - a. A brief summary of experience for those listed in the staffing section will be sufficient in the initial response to this RFQ. The GFIAA may request full statements of experience from firms that are chosen for any shortlist (should one be deemed necessary).

**GERALD R. FORD INTERNATIONAL AIRPORT
FEDERAL AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2023 to FY-2028 - Page 1 of 2**

Airport Name: Gerald R. Ford International		Airport Identifier: GRR		Date prepared: November 2, 2022	Updated: July 18, 2023
Associated City: Grand Rapids		NPIAS Airport Code**: B		Prepared By: Casey Ries	
Sponsor: Gerald R. Ford International Airport Authority				Sponsor email address & phone: Casey Ries, cries@grr.org, 616-233-6040	

Development Year	Project Description	On ALP? (Yes, No, N/A)	ACIP Code**	National Priority Rating**	Federal Entitlements	PFC	Special Federal Funding	BIL/AIG Formula Funds	BIL/ATP Terminal/Tower	Federal Discretionary	State	Local	Total	Remarks/Project Justification
	Estimated Funding Available				7,395,527			12,000,000						
2023	Concourse A Expansion - Construction, Year 2	Yes	CA/TE/EX	48		34,656,045					143,955	23,200,000	58,000,000	Expansion and widening of Concourse A for additional gates - capacity. Assumes 60% eligibility. FY23 ATP funding request for eligible central utility plant work.
2023	ATCT Replacement - Design	Yes	ST/BD/MS	39			5,000,000					0	5,000,000	Site selection completed in 2021. FY23 Congressionally Directed Spending.
2023	Airfield Electrical Improvements - 8R/26L and 17/35 - Const.	Yes	RE/RW/LI	81	5,213,302						289,627	289,630	5,792,559	Replacement of runway 8R/26L and 17/35 homeruns and fixtures due to decreasing resistance on circuits. Including Runway Guard Lights.
2023	ALCMS Upgrades	Yes	RE/RW/LI	81	207,120						11,506	11,508	230,134	Upgrade of primary system components and controls installed in 2014.
2023	ARFF Relocation - Construction	Yes	SA/BD/RF	64				11,137,500			825,000	4,537,500	16,500,000	Relocation to the east side of the airfield in accordance with Master Plan requirements. Assume 75% eligibility.
2023	Terminal Enhancements (CBIS + Ticketing) - Const., Ticketing	Yes	CA/TE/IM	48			10,179,270				565,515	6,955,215	17,700,000	2022 Supplemental Funding Application - Ticketing relocation in accordance with Master Plan to support TSA CBIS.
2023	Solar + Zero Emission Vehicle	N/A	EN/EQ/ZE	73			540,540				30,030	30,030	600,600	2022 Supplemental Funding Application - Solar installation with batteries for storage to operate a new zero emissions vehicle; a true zero carbon footprint airport vehicle.
2023	Terminal Redundancy - Generator Purchase	N/A	SA/TE/GE	53								3,667,000	3,667,000	Purchase of generators to provide efficient, redundant power for sustainable terminal operations. FY23 ATP funding request unsuccessful, assume 100% local funding.
	Annual Totals				5,420,422	34,656,045	15,719,810	11,137,500	0	0	1,865,633	38,690,883	107,490,293	
	Estimated Carryover Funds				1,975,105			862,500						
	Estimated Funding Available				6,875,105			6,862,500						
2024	Concourse A Expansion - Construction, Year 3	Yes	CA/TE/EX	48		3,000,000						2,000,000	5,000,000	Expansion and widening of Concourse A for additional gates - capacity, final year. Assumes 60% eligibility.
2024	ATCT Replacement - Construction, Enabling Phases	Yes	ST/BD/MS	39			15,000,000						15,000,000	Utility and site prep work for ATCT based on 2023 design.
2024	Snow Removal Equipment Building - Construction	Yes	ST/BD/MS	51				6,862,500			472,500	6,165,000	13,500,000	Construction of a snow removal equipment storage building at the field maintenance complex. Assume use of all available AIG funds, eligibility is higher.
2024	Terminal Enhancements (CBIS + Ticketing) - Const., Year 2	N/A	CA/TE/IM	48			15,000,000		65,550,000			3,450,000	84,000,000	Ticketing relocation, CBIS, and associated terminal facilities. FY24 ATP funding request. Assumes 40% allocable for TSA OTA, 95% ATP for balance.
2024	Concourse B Enclosure Replacement - Construction	Yes	CA/TE/IM	48					10,450,000			550,000	11,000,000	FY25 ATP funding request. Building envelope replacement and improvements.
2024	Rehabilitate Taxiway F North of Taxiway V, Taxiway V and Taxiway G - Design/Construction	Yes	RE/TW/IM	76	3,668,400						203,800	203,800	4,076,000	Rehabilitate Taxiway F, Taxiway V and Taxiway G. Design locally funded to prepare for acceptance of construction phase grants in 2025.
2024	Runway 8R Wildlife Habitat Mitigation	Yes	SA/RW/WH	88	3,071,705					2,215,295	311,000	622,000	6,220,000	2022 Supplemental Funding Application - Wetland mitigation to mitigate wildlife habitat and prepare site for Taxiway D reconfiguration to current separation standards.
2024	Taxiway D Rehabilitation (R to Rwy 17-35) - Design	Yes	RE/TW/IM	76	135,000							15,000	150,000	Reconstruction of the center portion of Twy D (PCI=65)
2024	Airfield Electrical Improvements - 8L/26R - Design	Yes	RE/RW/LI	81								150,000	150,000	Replacement of runway 8L/26R homeruns and fixtures due to decreasing resistance on circuits. Including Runway Guard Lights.
	Annual Totals				6,875,105	3,000,000	30,000,000	6,862,500	76,000,000	2,215,295	987,300	13,155,800	139,096,000	
	Estimated Carryover Funds				0			0						
	Estimated Funding Available				4,900,000			6,000,000						
2025	Baggage Claim Expansion	Yes	CA/TE/EX	48					16,150,000		425,000	425,000	17,000,000	2025 Airport Terminal Program Funding. Baggage claim expansion for capacity, in accordance with Master Plan recommendations; result of CBIS project.
2025	Taxiway K Extension Wetland Mitigation	Yes	CA/TW/EX	76	2,520,000						140,000	140,000	2,800,000	Wildlife habitat mitigation for the extension of Taxiway K from Taxiway V to Taxiway D.
2025	Taxiway F and Taxiway V Pavement Removal	Yes	SA/TW/IM	80				1,439,100			79,950	79,950	1,599,000	Remove existing pavement from Taxiway F and Taxiway V hotspots.
2025	Taxiway D1/A2/S Geometry Imp. (26L End) - Design	Yes	RC/TW/IM	76				2,250,000			125,000	125,000	2,500,000	Runway 26L Approach end taxiway improvements - Taxiways D1, A2, S, D (partial) plus hold pads to current geometry standards.
2025	Airfield Electrical Improvements - 8L/26R - Construction	Yes	RE/RW/LI	81				1,035,000			57,500	57,500	1,150,000	Replacement of runway 8L/26R homeruns and fixtures due to decreasing resistance on circuits. Including Runway Guard Lights.
2025	Taxiway Z1 Rehabilitation - Design	Yes	RE/TW/IM	76							70,000	70,000	70,000	Reconstruction of Z1 (PCI=40)
2025	Taxiway D Rehabilitation (R to Rwy 17-35) - Construction	Yes	SA/TW/IM	80	1,260,000						70,000	70,000	1,400,000	Reconstruction of the center portion of Twy D (PCI=65)
2025	Taxiway J Rehabilitation (J4 to J5) - Design & Construction	Yes	RC/TW/IM	77				450,000			25,000	25,000	500,000	Rehabilitate a portion of Taxiway J between Taxiway J4 and J5. (PCI=65)
2025	Extend Taxiway L - Design	Yes	RC/TW/IM	77	603,000							67,100	671,000	Taxiway L extension north for airfield access to the balance of development site 4, west of the new ATCT. Design with local funds and prepare for future reimbursement.
2025	Federal Inspection Station - Phase 2, Year 1	Yes	ST/BD/CO	48							12,100,000	0	12,100,000	Construction of FIS space per CBP standards; no CBP facilities for screening commercial service flights exist today. Opportunity for state and federal funds.
	Annual Totals				4,383,000	0	0	5,174,100	16,150,000	0	13,022,450	1,059,550	39,790,000	
	Estimated Carryover Funds				517,000			825,900						
	Estimated Funding Available				5,317,000			6,825,900						
2026	Master Plan Update	N/A	PL/MA/UP	73	1,170,000						65,000	65,000	1,300,000	Update of Master Plan last approved in 2019 (prior forecast approved in 2016)
2026	Taxiway D1/S Geometry Imp. (26L End) - Construction	Yes	SA/TW/IM	80				6,300,000			350,000	350,000	7,000,000	Runway 26L Approach end taxiway improvements - Taxiways D1, S, and D (partial) plus hold pads to current geometry standards.
2026	Taxiway Z1 Rehabilitation - Construction	Yes	RE/TW/IM	76				525,900			39,000	215,100	780,000	Reconstruction of Z1 (PCI=40)
2026	Taxiway D/D2 Geometry Improvements (8R End) - Design & Construction	Yes	SA/TW/IM	80	4,147,000					11,356,400	861,300	861,300	17,226,000	Runway 8R Approach end taxiway improvements - Taxiways D2 and
2026	Extend Taxiway L - Construction	YES	CA/TW/EX	76			5,071,500				281,750	281,750	5,635,000	Taxiway L extension north for airfield access to the balance of development site 4, west of the new ATCT. Supplemental funding opportunity.
2026	Federal Inspection Station - Phase 2, Year 2	Yes	ST/BD/CO	48							14,900,000	0	14,900,000	Construction of FIS space per CBP standards; no CBP facilities for screening commercial service flights exist today. Opportunity for state and federal funds.
2026	Terminal Power Resiliency Improvements	Yes	CA/TE/EX	48					6,175,000		162,500	162,500	6,500,000	FY26 ATP funding. Terminal central utility plan improvements including generation for energy resiliency and peak shaving.
	Annual Totals				5,317,000	0	5,071,500	6,825,900	6,175,000	11,356,400	16,659,550	1,935,650	53,341,000	
	Estimated Carryover Funds				0			0						
	Estimated Funding Available				4,900,000			0						AIG funding projected to expire in 2026
2027	Taxiway T - Construction	Yes	CA/TW/CO	77	4,000,000					18,590,000	1,255,000	1,255,000	25,100,000	Construction of new Twy T from the 26L threshold to B3, includes wildlife habitat mitigation
2027	Hot Spot 3 Correction & Taxiway K Extension - Design & Construction	Yes	CA/TW/EX	76	900,000			0		11,457,000	686,500	686,500	13,730,000	Extend Taxiway K from Taxiway V to Taxiway D. Includes wildlife habitat mitigation.
	Annual Totals				4,900,000	0	10,143,000	0	12,350,000	52,759,800	34,806,600	5,182,700	136,432,000	
	Estimated Carryover Funds				0			0						
	Estimated Funding Available				4,900,000			0						
2028	GA Apron Rehabilitation - South	Yes	RE/AP/IM	69	2,385,000						132,500	132,500	2,650,000	Rehabilitate the existing GA apron with new asphalt pavement
2028	Runway 8R-26L Rehabilitation - Design	Yes	RE/RW/IM	81	1,575,000							175,000	1,750,000	

Note: CFC funded projects assumed at 100% local and not included for clarity. Information on these and other locally funded projects available upon request. The 2023-2028 GRR Capital Improvement Program to be considered by the airport Board 11/16/22 = \$778.1 M.
 *Proposed airport development must be shown on current FAA-approved ALP prior to funding project.
 **In accordance with FAA Order 5100.39A, Appendix 6

NEPA On-Call Services

Request #2308

SOQs due August 17, 2023 – 2:00 pm local





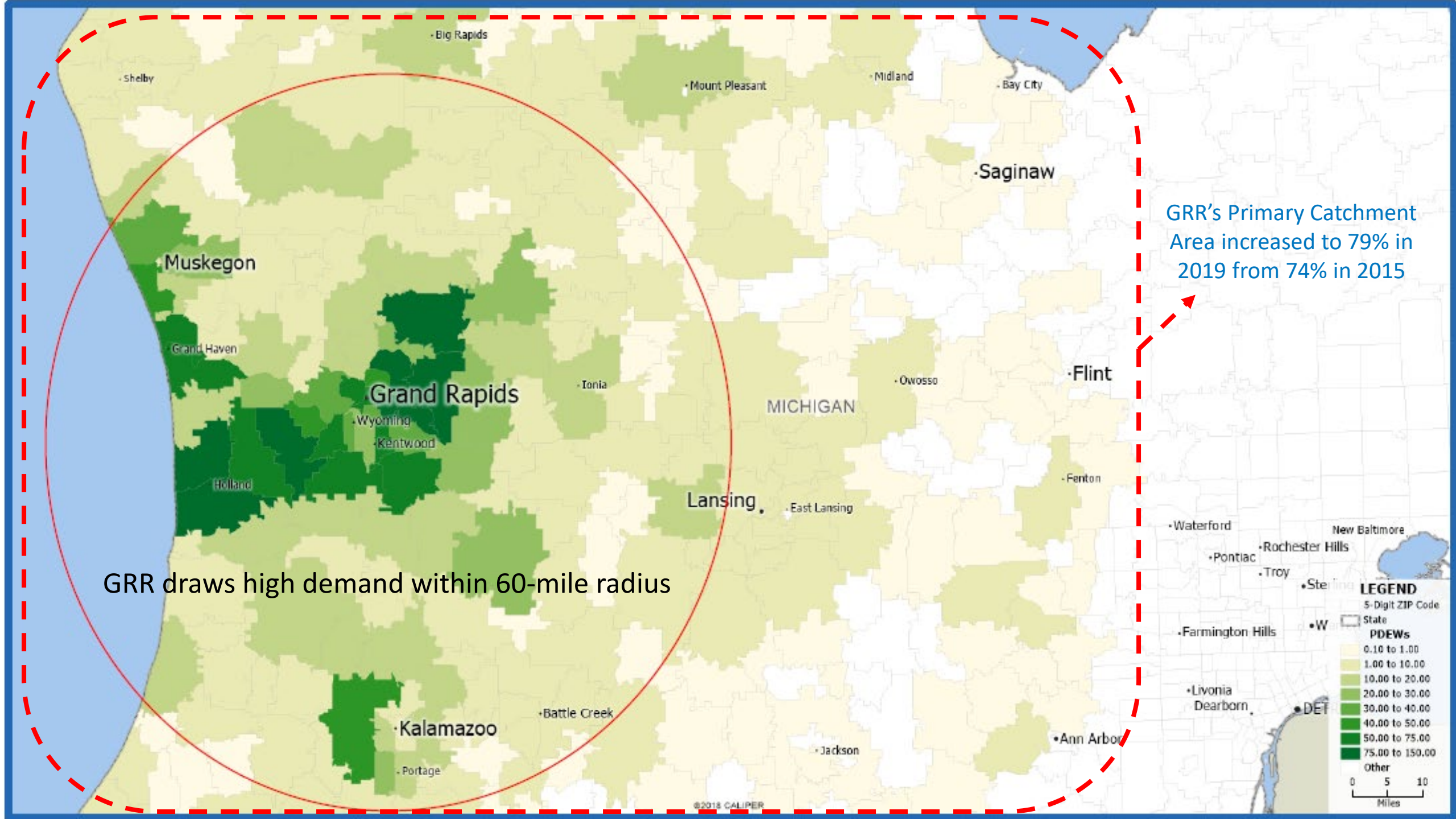
GRR Fast Facts

- 2nd Largest Airport in Michigan
- 3.59 Million Passengers in 2019
- 1.76 Million Passengers in 2020
- 2.93 Million Passengers in 2021
- 3.47 Million Passengers in 2022
- 3,200 Acres of Land
- \$3.2 B+ of Economic Impact to West Michigan
- Over 100 Businesses Supporting 2,000+ Direct Jobs

Economic Impact

- \$3.2B+ in Economic Impact
- Supports & Contributes to 40,500 West Michigan Jobs
- \$450M Direct Spend by Visitors Traveling Through GRR





GRR draws high demand within 60-mile radius

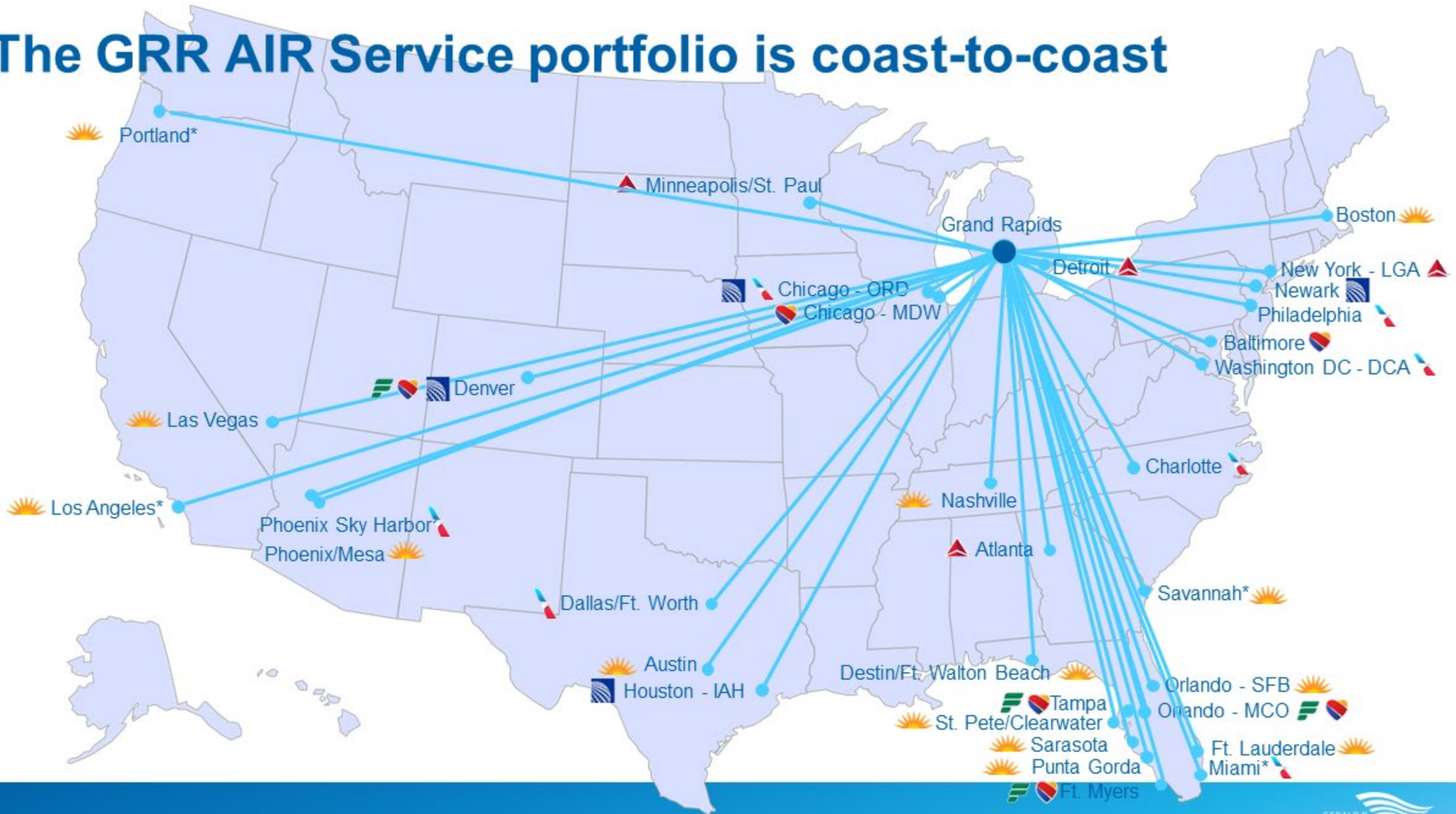
GRR's Primary Catchment Area increased to 79% in 2019 from 74% in 2015

LEGEND
5-Digit ZIP Code
State
PDEWs

- 0.10 to 1.00
- 1.00 to 10.00
- 10.00 to 20.00
- 20.00 to 30.00
- 30.00 to 40.00
- 40.00 to 50.00
- 50.00 to 75.00
- 75.00 to 150.00
- Other

0 5 10
Miles

The GRR AIR Service portfolio is coast-to-coast



2023 Capital Budget 2024-2028 Capital Plan

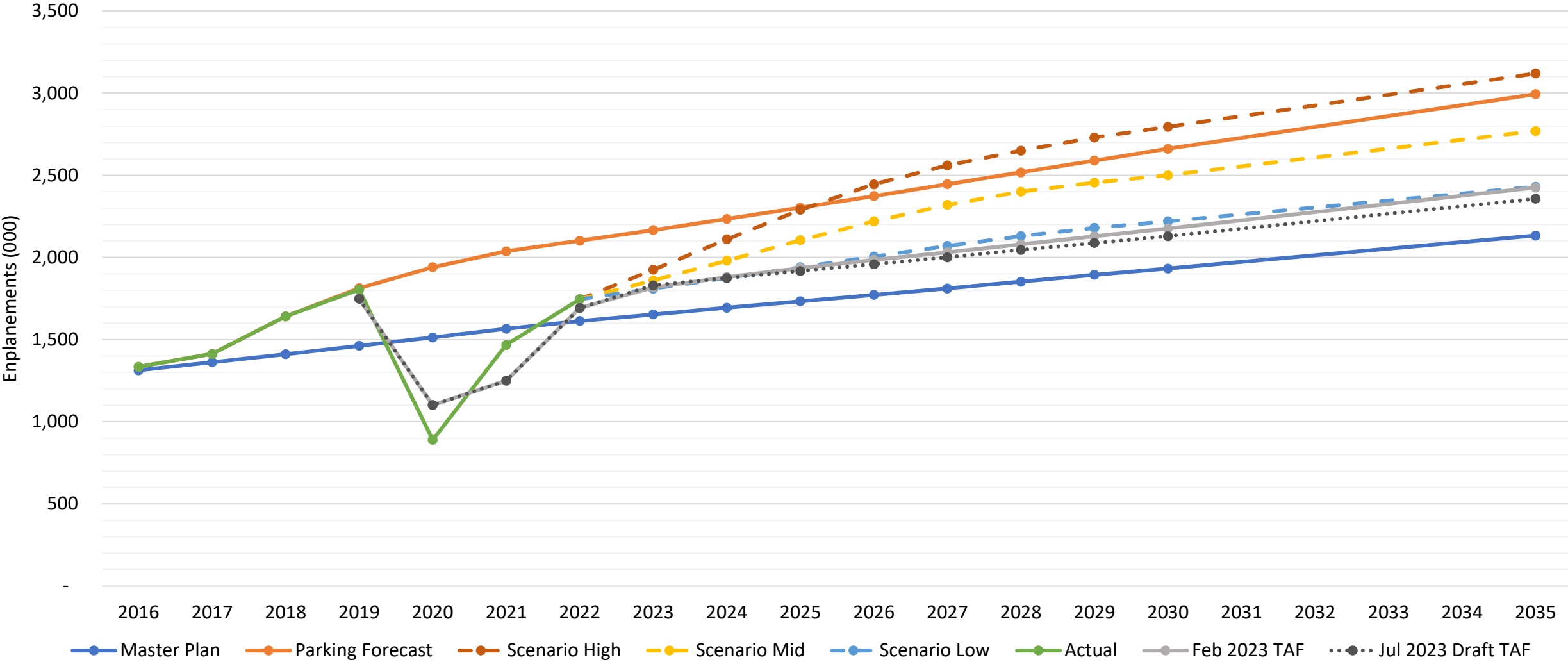
Airport Board Approval
October, 2022



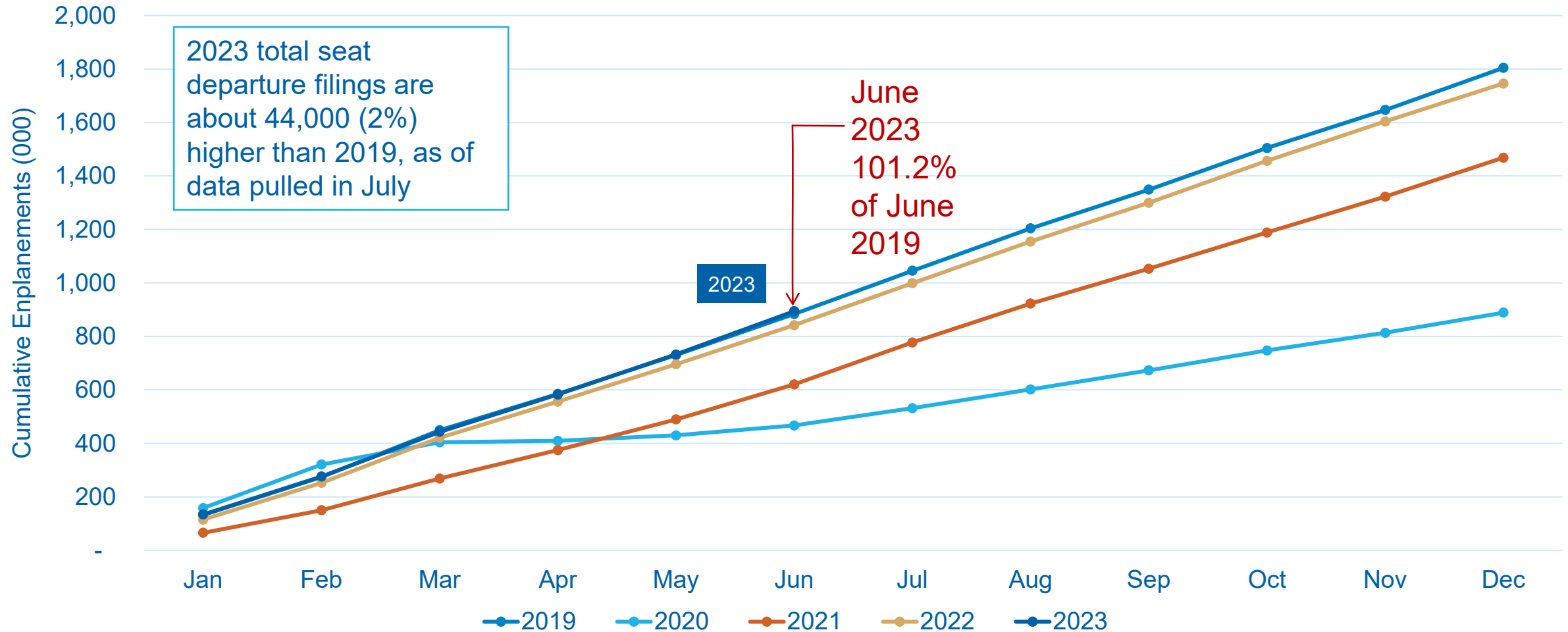
2023 Return to Pre-Pandemic Passenger Levels

- 2022 resumed pre-pandemic capital investments
 - Concourse A Construction
 - South Perimeter Road Reconstruction Construction
 - Consolidated Rental Car Facility (CONRAC) Design
 - Snow Removal Equipment (SRE) Storage Building Design
 - International Room Remodel Design
- 2023 will continue ELEVATE investment for terminal capacity growth
 - CONRAC Construction
 - Terminal Enhancement Design & Construction
 - Aircraft Rescue & Fire Fighting Design & Construction
 - Air Traffic Control Tower Relocation Design
 - Entry Roadway & Fuel Farm Improvements

Long-term enplaned passenger scenarios



Through the first half of 2023, total enplanements are tracking about 1% ahead of 2019



Terminal Core Funding

Funding Focus:

Passenger Facility Charge

Customer Facility Charge

Airport Terminal Program (Bipartisan Infrastructure Law)

Local Funds



NORTH
PARKING
GARAGE

CONSOLIDATED
RENTAL CAR
FACILITY

FEDERAL
INSPECTION
STATION

TERMINAL
ENHANCEMENTS:
TICKETING AND CBIS
EXPANSION

AIR TRAFFIC
CONTROL TOWER

CONCOURSE A
EXPANSION





2022-2027 Construction Timeline

August 3, 2022

	2022				2023				2024				2025				2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Concourse A Expansion	█				█																			
Concourse A Widening					█				█															
Concourse B Façade Replacement/Gate Counters											█		█											
CONRAC Construction					█				█				█		█									
CONRAC Tenant Fit-Out															█		█							
Existing Garage L1 Modifications																			█					
North Garage																					█		█	
CBIS/Loading Dock/Ticketing Relocation							█		█		█		█											
Bag Claim Expansion															█		█							
FIS																					█		█	

*Earliest Start

*CBP Dependent

Airfield & AIP Funding

Funding Focus:

Airport Improvement Program

Airport Improvement Grants

FAA Supplemental Funding

FAA Discretionary Funding



11-20 YEAR MASTER PLAN PROGRAM

AIRFIELD PROJECTS

- 6 Airfield Geometry Demolition/Construction-Phase II
- 7 Airfield Geometry Demolition/Construction-Phase III
- 8 Airfield Geometry Demolition/Construction-Phase IV
- 9 Long-Term Air Carrier Apron Expansion
- 10 Air Carrier Apron Expansion-Concourse C Phase II

TERMINAL PROJECTS

- 16 Concourse C Expansion
- 17 Baggage Claim Expansion
- 18 Ticketing Expansion

LANDSIDE PROJECTS

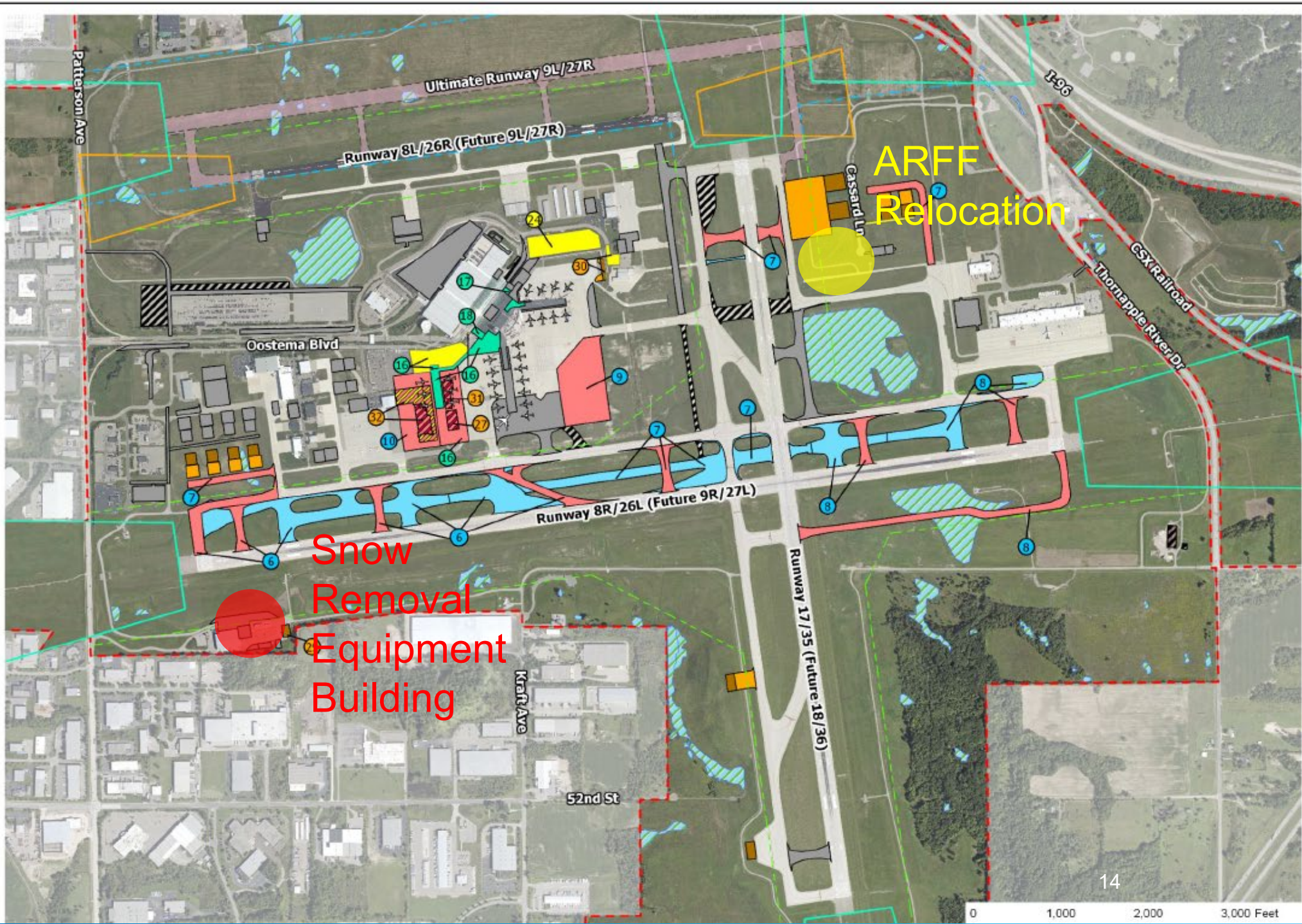
- 24 East Parking Structure

GA & SUPPORT PROJECTS

- 29 Field Maintenance Building Addition-Phase III
- 30 Permanent GSE Facility and Apron
- 31 Demolition of Building 401
- 32 Demolition of Building 403

Legend

- - GFIA Property Line
- - Existing BRL and RVZ
- - Existing RPZ
- - Future BRL
- - Future RPZ
- Future Terminal Development
- Future Landside Development
- Airfield Pavement to be Added
- Airfield Pavement to be Removed
- Ultimate Runway 9L/27R and Taxiways
- Future Apron
- Future Building
- Building to be Removed
- Parking Lot to be Removed
- Designated Wetlands



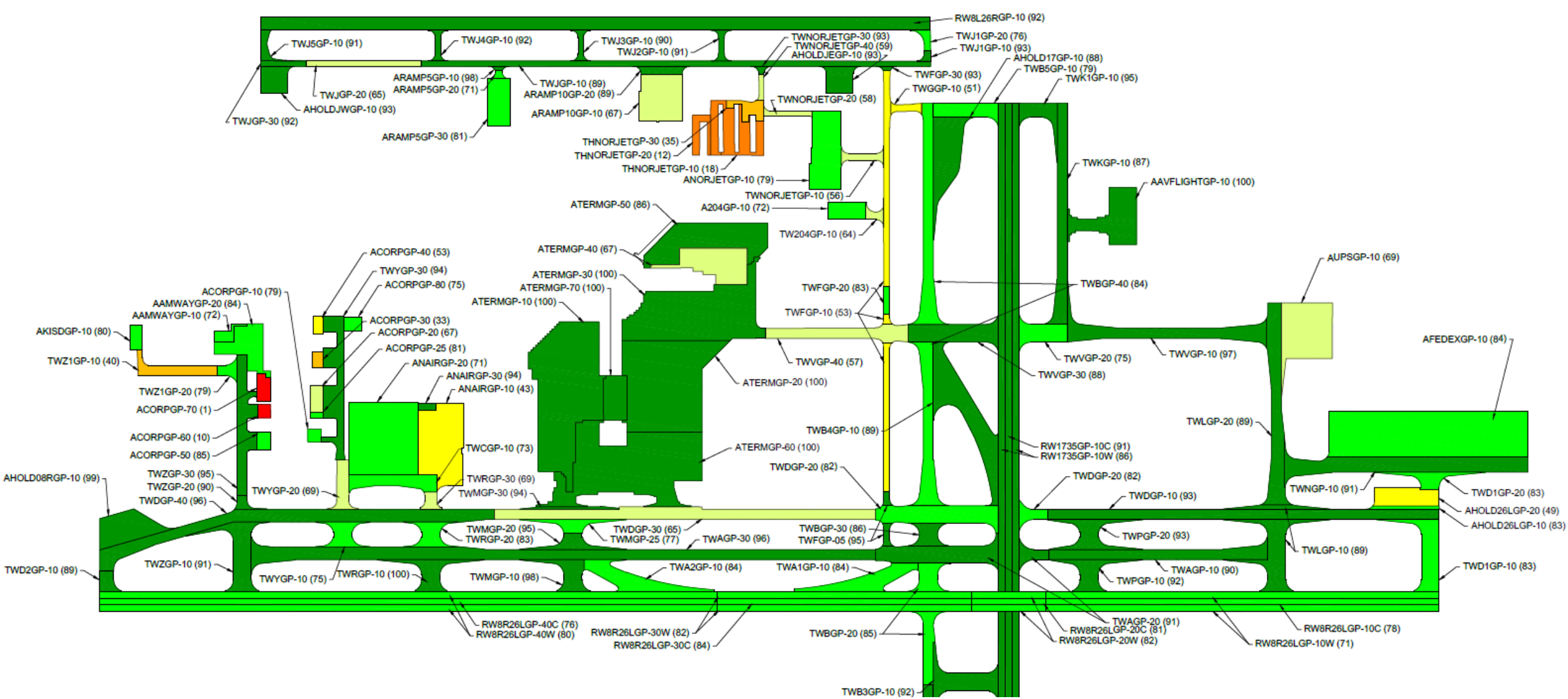
ARFF Relocation

Snow Removal Equipment Building

2024-2028 Capital Plan

Approved Plan Overview





Pavement Condition Index 2020

11-20 YEAR MASTER PLAN PROGRAM

- AIRFIELD PROJECTS**
- 6 Airfield Geometry Demolition/Construction-Phase II
- 7 Airfield Geometry Demolition/Construction-Phase III
- 8 Airfield Geometry Demolition/Construction-Phase IV
- 9 Long-Term Air Carrier Apron Expansion
- 10 Air Carrier Apron Expansion-Concourse C Phase II

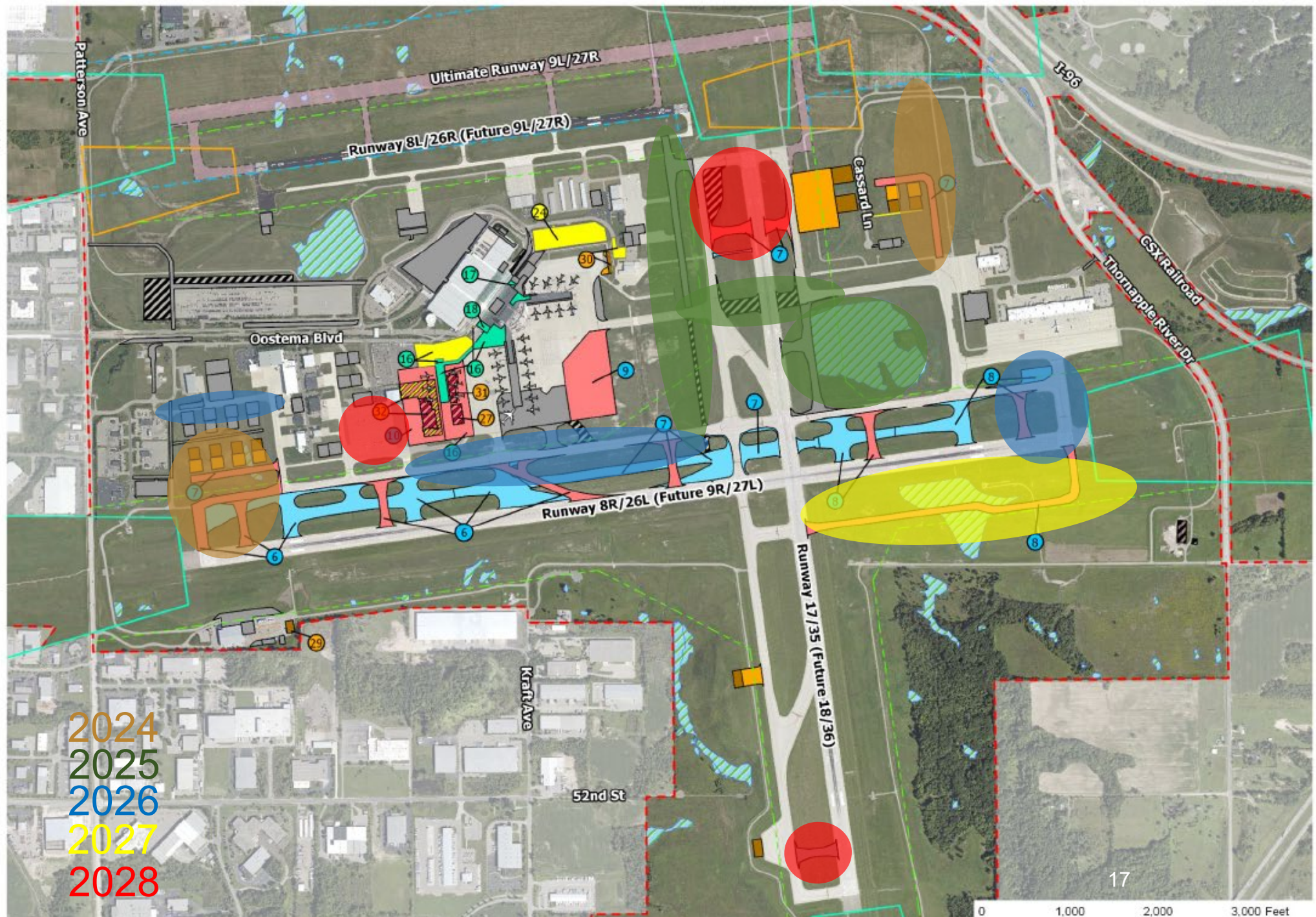
- TERMINAL PROJECTS**
- 16 Concourse C Expansion
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- 18 Ticketing Expansion

- LANDSIDE PROJECTS**
- 24 East Parking Structure

- GA & SUPPORT PROJECTS**
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 - Airfield Pavement to be Added
 - Airfield Pavement to be Removed
 - Ultimate Runway 9L/27R and Taxiways
 - Future Apron
 - Future Building
 - Building to be Removed
 - Parking Lot to be Removed
 - Redesignated Wetlands

2024
2025
2026
2027
2028



2024-2028 CIP – Major Projects

• Terminal Enhancements (CBIS, Ticketing, Claim)	\$101,000,000
• Airfield: Taxiway Imp. & Wildlife Habitat Mitigation	\$100,835,000
• CONRAC – Construction	\$ 85,400,000
• Air Traffic Control Tower Relocation – Construction	\$ 63,000,000
• North Garage	\$ 53,000,000
• Federal Inspection Station – Balance	\$ 27,000,000
• Grand Canopy Expansion	\$ 16,000,000
• SRE Building	\$ 13,500,000
• Runway Improvements	\$ 12,906,000
• Concourse B Enclosure	\$ 11,100,000
• Landside Site Prep	\$ 10,685,000
• Other 2024-2028 Capital Investments	<u>\$ 48,920,000</u>
TOTAL =	\$543,346,000

GERALD R. FORD INTERNATIONAL AIRPORT AUTHORITY
DRAFT CAPITAL IMPROVEMENT PLAN
October, 2022

Based on 2023 Dollars

SUMMARY

	TOTAL ESTIMATED COST	ELIGIBLE FEDERAL SHARE	ELIGIBLE STATE SHARE	LOCAL SHARE
CAPITAL BUDGET FOR 2023	\$241,124,000	\$69,376,000	\$892,000	\$170,856,000
CIP BUDGET FOR 2024	\$252,937,000	\$65,393,500	\$260,750	\$187,282,750
CIP BUDGET FOR 2025	\$116,160,000	\$22,412,900	\$13,234,050	\$80,513,050
CIP BUDGET FOR 2026	\$79,892,000	\$27,540,000	\$16,430,000	\$35,922,000
CIP BUDGET FOR 2027	\$24,065,000	\$11,790,000	\$655,000	\$11,620,000
CIP BUDGET FOR 2028	<u>\$16,648,000</u>	<u>\$12,825,000</u>	<u>\$712,500</u>	<u>\$3,110,500</u>
5 YEAR CIP TOTAL (2024-2028)	\$489,702,000	\$139,961,400	\$31,292,300	\$318,448,300
6 YEAR TOTAL (2023-2028)	\$730,826,000	\$209,337,400	\$32,184,300	\$489,304,300

NEPA On-Call Scope

- Develop Annual NEPA Playbook
- Coordinate with Detroit ADO
- Prepare NEPA Documents for Submittal
- Public Notice/Public Meetings
- Section 163
- Land Release Documentation



Contract/Performance Expectations

- Consultant Contract and Terms
- Task Orders
 - Time and Materials with Not-to-Exceed
 - As-needed Services (i.e., playbook)
 - Project Specific Services (i.e., CATEx, land release)
- Project Schedule

**GERALD R. FORD INTERNATIONAL AIRPORT
FEDERAL AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2023 to FY-2028 - Page 1 of 2**

Airport Name: Gerald R. Ford International		Airport Identifier: GRR											Data prepared: November 2, 2022 Updated: July 18, 2023	
Associated City: Grand Rapids		NPIAS Airport Code** : B											Prepared By: Casey Riles	
Sponsor: Gerald R. Ford International Airport Authority													Sponsor email address & phone: Casey Riles, criles@grr.org, 616-235-8040	
Development Year	Project Description	On ALP? (Yes, No, N/A)	ACIP Code**	National Priority Rating**	Federal Entitlements	PFC	Special Federal Funding	BIL/AIG Formula Funds	BIL/ATP Terminal/Tower	Federal Discretionary	State	Local	Total	Remarks/Project Justification
	Estimated Funding Available				7,365,527			12,000,000						
2023	Concourse A Expansion - Construction, Year 2	Yes	CA/TEEX	46		34,896,046					143,955	23,200,000	58,000,000	Expansion and widening of Concourse A for additional gates - capacity. Assumes 65% eligibility. FY23 ATP funding request for eligible central utility plant work.
2023	ATCT Replacement - Design	Yes	STRBMS	36			5,000,000					0	5,000,000	Site selection completed in 2021. FY23 Congressionally Directed Spending.
2023	Airfield Electrical Improvements - BR26L and 1735 - Const.	Yes	RE/RWLI	81	5,213,302						289,627	289,630	5,792,559	Replacement of runway BR26L and 1735 homeruns and fuses due to decreasing resistance on circuits. Including Runway Guard Lights.
2023	ALCMS Upgrade	Yes	RE/RWLI	81	207,120						11,506	11,506	230,134	Upgrade of primary system components and controls installed in 2014.
2023	AirTF Relocation - Construction	Yes	SA/SDIF	64				11,137,500			626,500	4,537,500	16,530,000	Relocation to the east side of the airfield in accordance with Master Plan requirements. Assume 75% eligibility.
2023	Terminal Enhancements (CBIS + Ticketing) - Const., Ticketing	Yes	CA/TEIM	46			10,179,270				565,515	6,955,215	17,700,000	2022 Supplemental Funding Application - Ticketing relocation in accordance with Master Plan to support TSA CBIS.
2023	Solar + Zero Emission Vehicle	N/A	EN/EGZE	73			540,540				30,030	30,030	600,600	2022 Supplemental Funding Application - Solar installation with batteries for storage to charge a new zero emissions vehicle, a true zero carbon footprint airport vehicle.
2023	Terminal Redundancy - Generator Purchase	N/A	SA/TEGE	53								3,667,000	3,667,000	Purchase of generators to provide efficient, redundant power for sustainable terminal operations. FY23 ATP funding request unsuccessful, assume 100% local fund.
	Annual Totals				5,420,422	34,896,046	15,719,810	11,137,500	0	0	1,665,633	38,690,603	107,490,293	
	Estimated Carryover Funds				1,675,105			962,500						
	Estimated Funding Available				6,675,105			6,942,500						
2024	Concourse A Expansion - Construction, Year 3	Yes	CA/TEEX	46		3,000,000						2,000,000	5,000,000	Expansion and widening of Concourse A for additional gates - capacity, final year. Assumes 62% eligibility.
2024	ATCT Replacement - Construction, Enabling Phases	Yes	STRBMS	36			15,000,000						15,000,000	Utility and site prep work for ATCT based on 2023 design.
2024	Snow Removal Equipment Building - Construction	Yes	STRB/SN	51			13,500,000				472,500	6,165,000	15,500,000	Construction of a snow removal equipment storage building at the field maintenance complex. Assume use of all available AIG funds, eligibility is higher.
2024	Terminal Enhancements (CBIS + Ticketing) - Const., Year 2	N/A	CA/TEIM	46			15,000,000		65,550,000			3,450,000	84,000,000	Ticketing relocation, CBIS, and associated terminal facilities. FY24 ATP funding request. Assumes 40% allocable for TSA OTA, 50% ATP for balance.
2024	Concourse B Enclosure Replacement - Construction	Yes	CA/TEIM	46				10,450,000					11,000,000	FY25 ATP funding request. Building envelope replacement and improvements.
2024	Rehabilitate Taxiway F North of Taxiway V, Taxiway V and Taxiway G - Design/Construction	Yes	RE/TWIM	76	3,986,400						203,800	203,800	4,076,000	Rehabilitation Taxiway F, Taxiway V and Taxiway G. Design locally funded to prepare for acceptance of construction phase grants in 2025.
2024	Runway RR Wildlife Habitat Mitigation	Yes	SA/RWVH	86	3,071,705					2,215,295	311,000	622,000	6,220,000	2022 Supplemental Funding Application - Wetland mitigation to mitigate wildlife habitat and prepare site for Taxiway D reconfiguration to current separation standards.
2024	Taxiway D Rehabilitation (R to Ray 17-36) - Design	Yes	RE/TWIM	76	135,000							15,000	150,000	Reconstruction of the center portion of Tay D (PCI=65)
2024	Airfield Electrical Improvements - SL26R - Design	Yes	RE/RWLI	81								150,000	150,000	Replacement of runway SL26R homeruns and fuses due to decreasing resistance on circuits. Including Runway Guard Lights.
	Annual Totals				6,675,105	3,000,000	30,000,000	6,942,500	76,000,000	2,215,295	967,300	13,155,800	136,096,000	
	Estimated Carryover Funds				0			0						
	Estimated Funding Available				4,900,000			6,900,000						
2025	Baggage Claim Expansion	Yes	CA/TEEX	46					16,150,000		425,000	425,000	17,000,000	2025 Airport Terminal Program Funding. Baggage claim expansion for capacity, in accordance with Master Plan recommendations, result of CBIS project.
2025	Taxiway K Extension Wetland Mitigation	Yes	CA/TWEX	76	2,520,000						140,000	140,000	2,800,000	Wildlife habitat mitigation for the extension of Taxiway K from Taxiway V to Taxiway D.
2025	Taxiway F and Taxiway V Pavement Removal	Yes	SA/TWIM	80			1,439,100				79,950	79,950	1,599,000	Remove existing pavement from Taxiway F and Taxiway V hotspots.
2025	Taxiway D1A215 Geometry Imp. (26L End) - Design	Yes	RC/TWIM	76			2,250,000				125,000	125,000	2,500,000	Runway 26L Approach and taxiway improvements - Taxiways D1, A2, S, D (partial) plus hold pads to current geometry standards.
2025	Airfield Electrical Improvements - SL26R - Construction	Yes	RE/RWLI	81			1,026,000				57,500	57,500	1,150,000	Replacement of runway SL26R homeruns and fuses due to decreasing resistance on circuits. Including Runway Guard Lights.
2025	Taxiway Z1 Rehabilitation - Design	Yes	RE/TWIM	76								70,000	70,000	Reconstruction of Z1 (PCI=40)
2025	Taxiway D Rehabilitation (R to Ray 17-36) - Construction	Yes	SA/TWIM	80	1,260,000						70,000	70,000	1,400,000	Reconstruction of the center portion of Tay D (PCI=65)
2025	Taxiway J Rehabilitation (J4 to J5) - Design & Construction	Yes	RC/TWIM	77			460,000				25,000	25,000	500,000	Rehabilitate a portion of Taxiway J between Taxiway J4 and J5. (PCI=65)
2025	Extend Taxiway L - Design	Yes	RC/TWIM	77	603,000							67,100	671,000	Taxiway L extension north for airfield access to the balance of development site 4, west of the new ATCT. Design with local funds and prepare for future reimburse.
2025	Federal Inspection Station - Phase 2, Year 1	Yes	STRB/CO	46							12,100,000	0	12,100,000	Construction of FIS space per CBP standards, no CBP facilities for screening commercial service flights exist today. Opportunity for state and federal funds.
	Annual Totals				4,303,000	0	0	5,174,100	16,150,000	0	13,022,480	1,059,550	39,790,000	
	Estimated Carryover Funds				617,000			625,900						
	Estimated Funding Available				5,317,000			6,525,900						
2026	Master Plan Update	N/A	PLMA/UP	73	1,170,000						85,000	85,000	1,300,000	Update of Master Plan last approved in 2019 (prior forecast approved in 2016)
2026	Taxiway D1S Geometry Imp. (26L End) - Construction	Yes	SA/TWIM	80			6,300,000				350,000	350,000	7,000,000	Runway 26L Approach and taxiway improvements - Taxiways D1, S, and D (partial) plus hold pads to current geometry standards.
2026	Taxiway Z1 Rehabilitation - Construction	Yes	RE/TWIM	76			525,900				36,000	215,100	780,000	Reconstruction of Z1 (PCI=40)
2026	Taxiway D1D2 Geometry Improvements (SR End) - Design & Construction	Yes	SA/TWIM	80	4,147,000					11,356,400	861,300	861,300	17,226,000	Runway SR Approach and Taxiway Improvements - Taxiways D2 and D3
2026	Extend Taxiway L - Construction	YES	CA/TWEX	76			5,071,500				201,750	201,750	5,635,000	Taxiway L extension north for airfield access to the balance of development site 4, west of the new ATCT. Supplemental funding opportunity.
2026	Federal Inspection Station - Phase 2, Year 2	Yes	STRB/CO	46							14,900,000	0	14,900,000	Construction of FIS space per CBP standards, no CBP facilities for screening commercial service flights exist today. Opportunity for state and federal funds.
2026	Terminal Power Resiliency Improvements	Yes	CA/TEEX	46					6,175,000		162,500	162,500	6,500,000	FY26 ATP funding. Terminal central utility plant improvements including generation for energy resiliency and peak shaving.
	Annual Totals				5,317,000	0	5,071,500	6,525,900	6,175,000	11,356,400	16,659,550	1,628,650	53,341,000	
	Estimated Carryover Funds				0		0							
	Estimated Funding Available				4,900,000			0						AIG funding projected to expire in 2026
2027	Taxiway T - Construction	Yes	CA/TWCO	77	4,000,000						16,590,000	1,256,000	25,100,000	Construction of new Tay T from the 26L threshold to B3. Includes wildlife habitat mitigation
2027	Hot Spot 3 Correction & Taxiway K Extension - Design & Construction	Yes	CA/TWEX	76	900,000					11,467,000	696,500	696,500	13,730,000	Extend Taxiway K from Taxiway V to Taxiway D. Includes wildlife habitat mitigation.
	Annual Totals				4,900,000	0	10,143,000	0	12,360,000	52,758,800	34,806,600	5,182,700	136,432,000	
	Estimated Carryover Funds				0		0							
	Estimated Funding Available				4,900,000			0						
2028	GA Apron Rehabilitation - South	Yes	RE/A/PM	69	2,305,000						132,500	132,500	2,650,000	Rehabilitate the existing GA apron with new asphalt pavement
2028	Runway BR-26L Rehabilitation - Design	Yes	RE/RWIM	81	1,575,000							175,000	1,750,000	

Note: PFC funded projects assumed at 100% local and not included for clarity. Information on these and other locally funded projects available upon request. The 2025-2028 GRR Capital Improvement Program to be considered by the airport board 11/16/22 - 5/7/23 1 M.
 **Proposed airport development must be shown on current FAA-approved ALP prior to funding project.
 ***In accordance with FAA Order 5100.30A, Appendix 6



2024	Concourse A Expansion - Construction, Year 3	Yes	CA/TE/EX	48
2024	ATCT Replacement - Construction, Enabling Phases	Yes	ST/BD/MS	39
2024	Snow Removal Equipment Building - Construction	Yes	ST/BD/SN	51
2024	Terminal Enhancements (CBIS + Ticketing) - Const., Year 2	N/A	CA/TE/IM	48
2024	Concourse B Enclosure Replacement - Construction	Yes	CA/TE/IM	48
2024	Rehabilitate Taxiway F North of Taxiway V, Taxiway V and Taxiway G - Design/Construction	Yes	RE/TW/IM	76
2024	Runway 8R Wildlife Habitat Mitigation	Yes	SA/RW/WH	88
2024	Taxiway D Rehabilitation (R to Rwy 17-35) - Design	Yes	RE/TW/IM	76
2024	Airfield Electrical Improvements - 8L/26R - Design	Yes	RE/RW/LI	81

2025	Baggage Claim Expansion	Yes	CA/TE/EX	48
2025	Taxiway K Extension Wetland Mitigation	Yes	CA/TW/EX	76
2025	Taxiway F and Taxiway V Pavement Removal	Yes	SA/TW/IM	80
2025	Taxiway D1/A2/S Geometry Imp. (26L End) - Design	Yes	RC/TW/IM	76
2025	Airfield Electrical Improvements - 8L/26R - Construction	Yes	RE/RW/LI	81
2025	Taxiway Z1 Rehabilitation - Design	Yes	RE/TW/IM	76
2025	Taxiway D Rehabilitation (R to Rwy 17-35) - Construction	Yes	SA/TW/IM	80
2025	Taxiway J Rehabilitation (J4 to J5) - Design & Construction	Yes	RC/TW/IM	77
2025	Extend Taxiway L - Design	Yes	RC/TW/IM	77
2025	Federal Inspection Station - Phase 2, Year 1	Yes	ST/BD/CO	48

Gerald R. Ford International Airport Capital Improvement Project Recommendation Form

Project Title: Rehabilitate Taxiway F North of Taxiway V, Taxiway V and Taxiway G	Requester:	Department: Engineering
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Project Description:
This project will rehabilitate Taxiway F, north of Taxiway V, and Taxiway G. The project assumes 5-inches of existing taxiway pavement depth will be removed. It is assumed that 15% of the project area will require sub-base reconstruction. Existing signs and edge light fixtures will be removed and replaced with new fixtures. Electrical cabling will be removed and replaced with new cabling. 5-inches of new concrete will be poured, cured and a surface texture will be applied using either a broom or burlap drag. Additional work items include barricades, flagging, excavation, hydroseeding and applying airfield markings.


Project Justification:
Taxiways F, V, and G serve a vital role in efficiently accommodating operations on the airfield by providing access between the commercial apron and Runway 17-35. The pavement requires periodic maintenance to seal cracks and rejuvenate the surface. The last major construction effort to rehabilitate the taxiways occurred in XXXX. Taxiways F, V, and G require rehabilitation to preserve the pavement for safe and efficient operations while also protecting the Authority's and FAA's capital investment in the airfield infrastructure.

Project Schedule:

Procurement Start Date	Design Start Date	Design End Date	Construction Start Date	Construction End Date	Project End Date
Jul-23	Aug-23	Nov-23	May-24	Jul-24	Sep-24

Estimated Costs:

Preliminary Planning	Design Services	Construction Services	NEPA Process:	Contingency / Escalation	Construction / Equipment	Total Project Cost
			CATEX			

<p>Project Location:</p>  <p>Updated: July 17 2023</p>	<p>Project Value/Benefit:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Improve Passenger Experience <input checked="" type="checkbox"/> Reduce Operating Costs <input checked="" type="checkbox"/> Replace Failing Infrastructure <input type="checkbox"/> Government Mandated <input type="checkbox"/> Reduce Staff Time <input checked="" type="checkbox"/> Health/Safety/Security <input type="checkbox"/> Increase Capacity <input type="checkbox"/> Other: <p>AIP Eligibility Checklist:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Project AIP Eligible <input checked="" type="checkbox"/> ALP Updated <input type="checkbox"/> Airspace Determination <input type="checkbox"/> Environmental Complete <input type="checkbox"/> Design Complete
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**Gerald R. Ford International Airport Capital Improvement
Project Recommendation Form**

Project Title: Rehabilitate Taxiway F North of Taxiway V, Taxiway V and Taxiway G	Requester:	Department: Engineering
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Project Justification:

Taxiways F, V, and G serve a vital role in efficiently accommodating operations on the airfield by providing access between the commercial apron and Runway 17-35. The pavement requires periodic maintenance to seal cracks and rejuvenate the surface. The last major construction effort to rehabilitate the taxiways occurred in XXXX . Taxiways F, V, and G require rehabilitation to preserve the pavement for safe and efficient operations while also protecting the Authority's and FAA's capital investment in the airfield infrastructure.

Project Schedule:

<i>Procurement Start Date</i>	<i>Design Start Date</i>	<i>Design End Date</i>	<i>Construction Start Date</i>	<i>Construction End Date</i>	<i>Project End Date</i>
Jul-23	Aug-23	Nov-23	May-24	Jul-24	Sep-24

Estimated Costs:

<i>Preliminary Planning</i>	<i>Design Services</i>	<i>Construction Services</i>	<i>NEPA Process:</i>	<i>Contingency / Escalation</i>	<i>Construction / Equipment</i>	<i>Total Project Cost</i>
			<i>CATEX</i>			



Updated: July 17 2023

Other:

AIP Eligibility Checklist:

- Project AIP Eligible
- ALP Updated
- Airspace Determination
- Environmental Complete
- Design Complete

NEPA On-Call Services

Request #2308

Question deadline: August 9, 2023

SOQs due: August 17, 2023 – 2:00 pm local

