



Raleigh-Durham  
Airport Authority

# Taxiway F Repairs

---

March 20, 2024



# Agenda

---

- Introduction
- Project Location
- Notice and Instructions to Bidders
- MWSB Program and Project Goals
- Bidding Requirements
- Project Overview / Scope
- Bid Submission / Schedule
- Questions

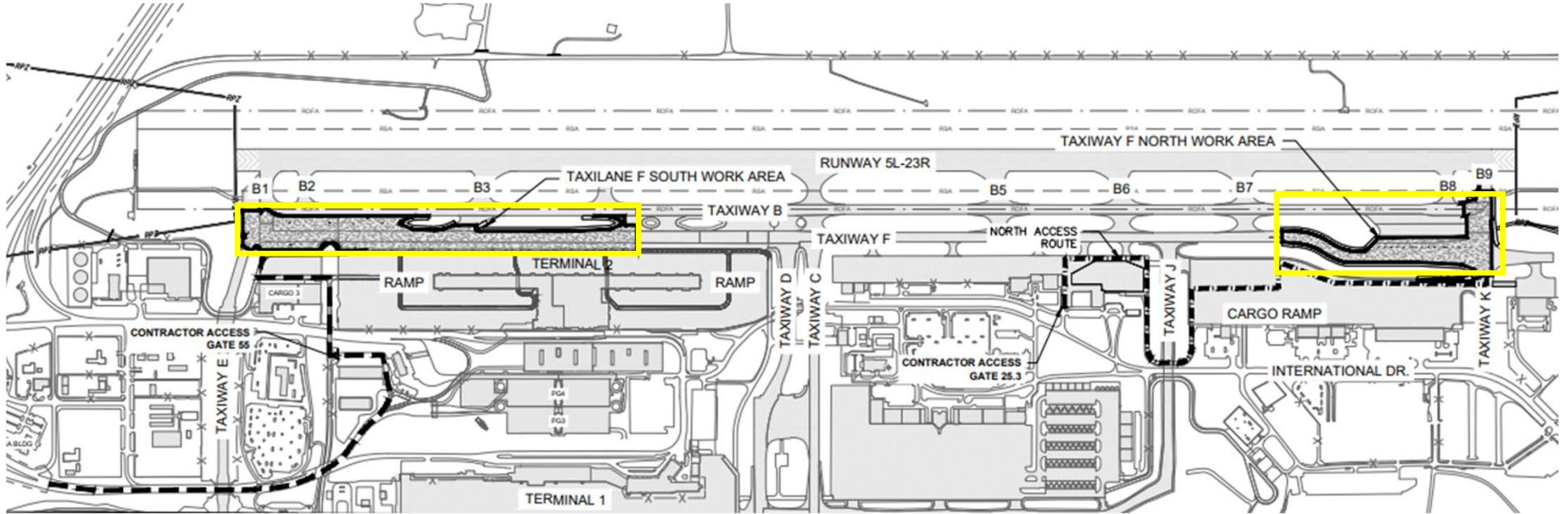


# Introduction

---

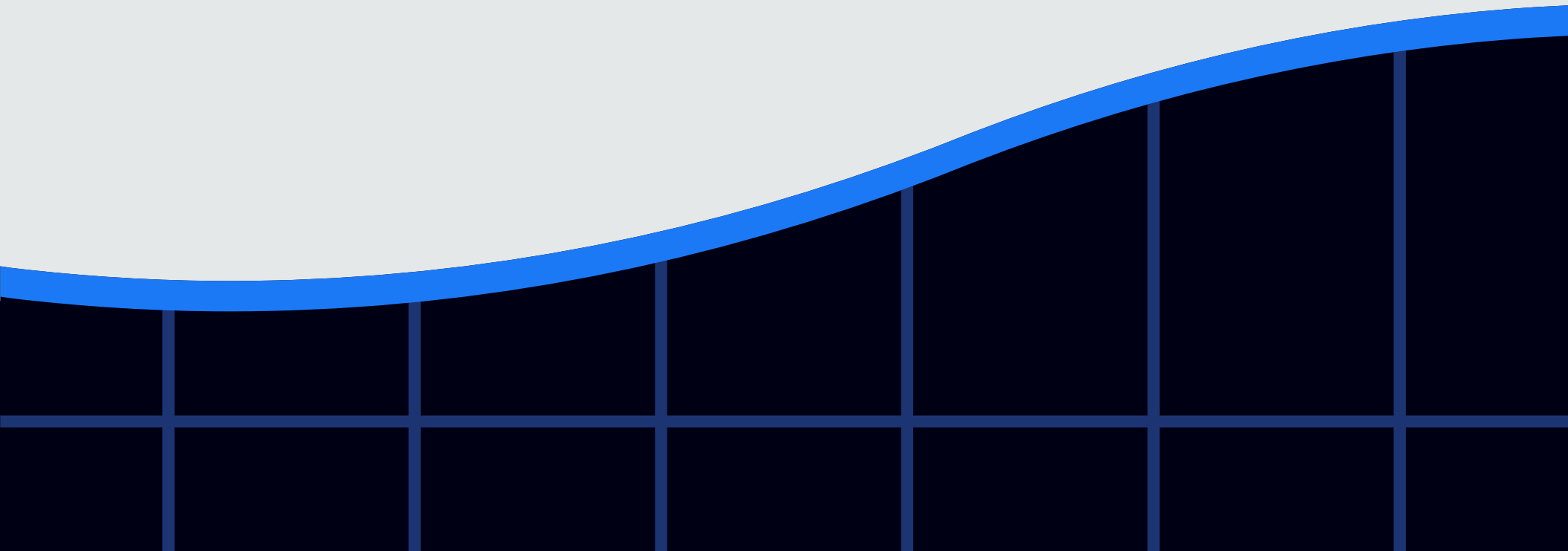
- **Owner – RDUAA**
  - Jim Novak – Director of Airside Engineering
  - Hillary Sudbury – Project Manager
- **Engineer / CA – WK Dickson & Co., Inc.**
  - Brigid Williams– Project Manager
  - Randy Brookshire– Engineer
- **Construction Management – Parsons**
  - Marshall Whitehurst – Construction Manager

# Project Location



# Notice and Instructions to Bidders

---





## Notice to Bidders

---

- Bid Date / Time: April 9, 2024 at 11:30 AM
- Location: Modular Office Building 1016, located in the RDU Cell Lot, 1000 Trade Drive, Raleigh-Durham Airport



# Notice to Bidders

---

- Plans and Specifications: Downloadable in PDF format from [www.rdu.com](http://www.rdu.com)
- Single Prime Contract
- Bids will be retained by the Owner for a period of 90 days after the scheduled closing time for receipt of bids.
- MWSB Goals: MB 0% / WB 0%
- Questions: Submit all questions in writing to [jim.novak@rdu.com](mailto:jim.novak@rdu.com) by Monday March 28, 2024 at 3:00 PM

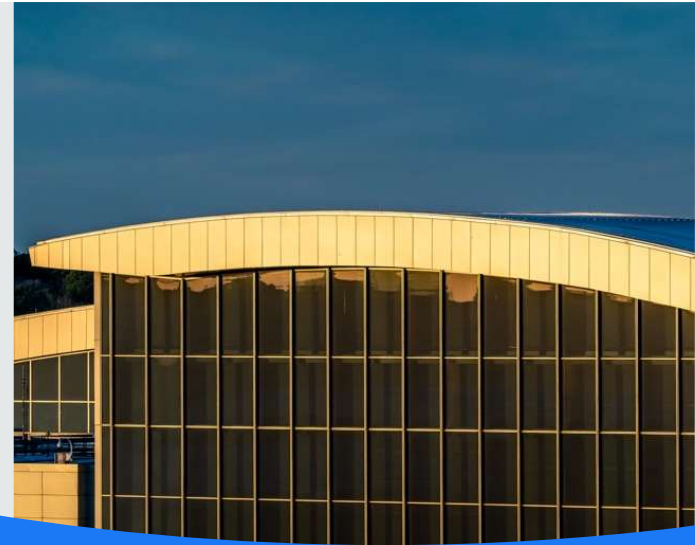


# Instruction to Bidders

---

- All Addenda are downloadable in PDF format from [www.RDU.com](http://www.RDU.com)
- Anticipated Award of Contract: May 16, 2024 Board Meeting
- Tentative Construction Start Date: July 2024
- Performance/ Labor & Material Payment Bonds: 100% of the Contract Price
- Insurance: AIA – 2019, Article 11 (See Exhibit A, Insurance and Bonds)





Raleigh-Durham  
Airport Authority

# Minority and Women-Owned Small Business Program

---

# RDUAA MWSB Program

---

- **Purpose:** to encourage and foster the inclusion of minority and women-owned small businesses in the Authority's business activities
- **MWSB:** Small businesses that are owned and controlled by: Black, Hispanic, Asian, Native Americans or Women
- **MB Goal:** Goal for minority-owned business participation: **(0%)**
- **WB Goal:** Goal for woman-owned business participation: **(0%)**

# Locating MWSB Firms

- RDUAA certified directory: [www.rdu.com/mwsbdirectory](http://www.rdu.com/mwsbdirectory)
- Search by:
  - Business Name,
  - Business description (“truck, paving”)
  - Certification (MBE, DBE, WBE)



## Vendor Certification

Search and/or join our database of certified vendors

[Search Certified Directory](#)

## System Training

Learn how to fully utilize our system with a live trainer

[Training List](#)

## Business Opportunities

Find a list of current business opportunities available with the Raleigh-Durham Airport Authority.

[View Opportunities](#)

## About the System

Learn more about this system and how it works today

[Information for Vendors](#)

## Account Access

Lookup Vendor accounts or reset user passwords

[Account Lookup](#)

[Forgot Password](#)

## RDUAA Small Business Programs

Find additional information and resources through Raleigh-Durham Airport Authority small business programs webpage.

[RDUAA Small Business Programs](#)



## MWSB Accepted Certification Types

---

- Disadvantaged Business Enterprise - NCDOT DBE
- SBA 8(a) Business Development Certification - SBA 8(a)
- Women's Business Enterprise National Council, Women Owned Small Business - WOSB

# MWSB Accepted Certification Types (cont.)

---

- Historically Underutilized Business - NCDOA HUB
  - Minority or woman-owned HUBs **only**
- Carolinas-Virginia Minority Supplier Development Council – CVMSSDC
- National Association of Women Business Owners – NAWBO
- These certifications require the **Business Size Verification form** and tax documentation submitted to RDU prior to the bid date.



# Required Bid Forms

---

- **Appendix 1A: Schedule of Subcontractors**

- List names of MWSB subcontractors (or supplier)
- Describe type (DBE/HUB)
- Type of work
- List dollar value and percent of total contract
- MWSB supplies are counted at 60% of dollar value



# Required Bid Forms

---

## Appendix 1B: MWSB Verification Status

- Corresponds to firms on Appendix 1A
- List MWSB subs and suppliers
- List type of work performed/goods supplied & dollar values
- Describe certification type
- Indicate business size verification status

# Required Bid Forms

---

## Appendix 2: Good Faith Effort Checklist

- Submit checklist with the bid
- If both portions of the MWSB goal have not been met, supplemental documentation will be required, no later than 72 hours after bids received





# Required Bid Forms

---

## Appendix 3: Statement of Intent to Perform Work without Subcontracting

- Indicates that the contractor will perform all aspects of the contract with its own forces
- Should only be completed if the contractor is unable to locate MWSB subcontractors and suppliers
- Submit supplemental documentation



# Required Bid Forms

---

## Appendix 4 & 5: Intent to Perform

- Must be completed for each subcontractor and supplier
- Signed by both Prime contractor and subcontractor
- Returned to the Authority within 3 days



# Required Bid Forms

---

## Trucking Utilization Form

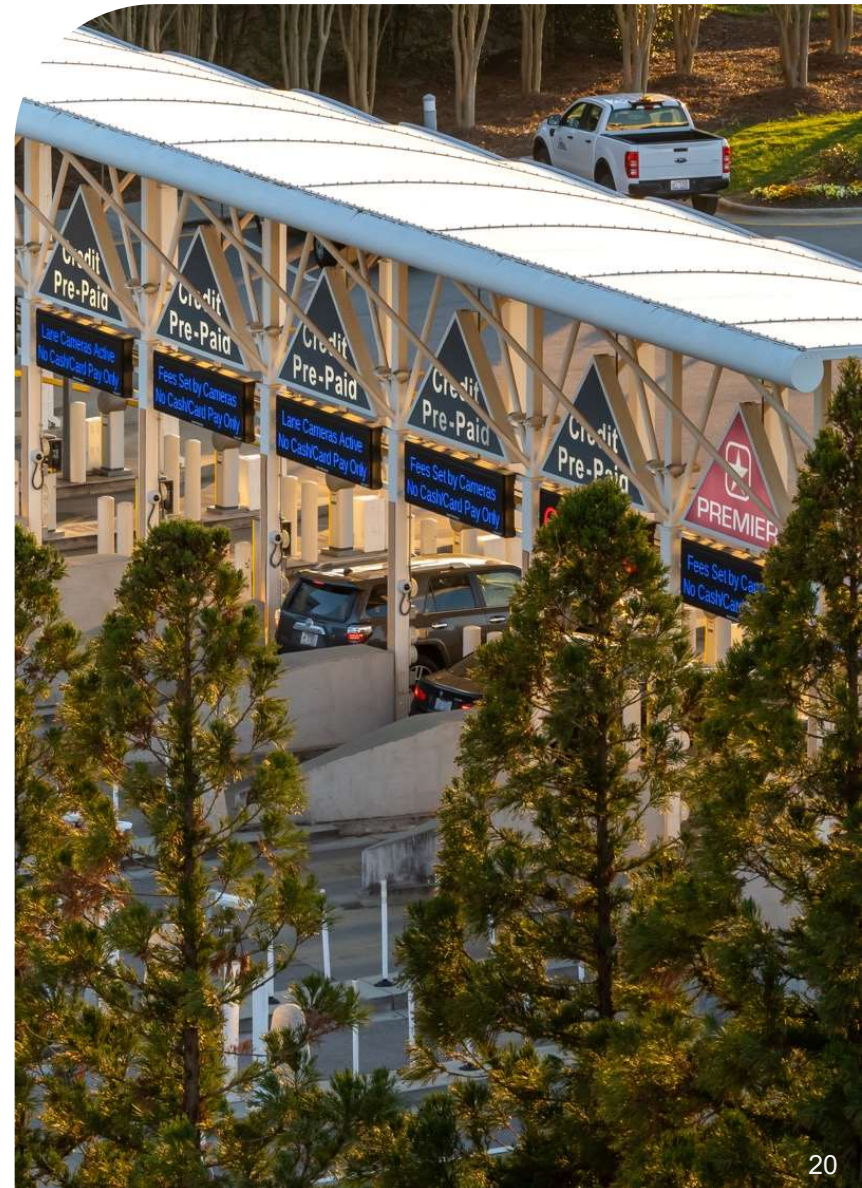
- Signed and executed form for each MWSB trucking firm identified on Appendix 1A and 1B
- Describes what trucks will be used, owned and leased by firms counted for DBE participation



# MWSB Participation

---

- Bidders will be evaluated on the level and quality of MWSB participation.
- The successful bidder's MWSB commitment will be incorporated into the contract and will be enforceable under the terms of the contract.
- Bidders are solely responsible for confirming experience, capacity, and MWSB eligibility of subcontractors.



# Goal Achievement or Good Faith Effort

---

- Bidders must meet both goals (MB and WB) or demonstrate and document a good faith effort to achieve the goals.
- Bids submitted which do not meet the MWSB Goals, and which do not demonstrate a good faith effort, may be considered non-responsive and the Proposer may not be eligible for award of the contract.
- Efforts that are merely **pro-forma** are not good faith efforts to meet the requirements of the MWSB Program.



# Good Faith Effort Documentation

---

- GFE documentation should be submitted with the Bid. The requirement to submit documentation that the goal has been met or good faith documentation is considered a matter of **responsiveness**.
- A minimum of the following should be submitted to support good faith efforts:
  - Evidence of advertisements, solicitations, and other specific actions demonstrating recruitment

# Commercially Useful Function

---

- MWSB must provide a necessary, useful, clear and distinct role
- MWSB must be independent from the Prime Contractor
- MWSB must:
  - Use their own forces (i.e. employees and equipment)
  - Control their own work (i.e. supervise their own employees)
  - Order and negotiate their own materials
  - Control their payroll, invoicing



# Trucking and Transportation Forms

---

- MWSB trucking firms must own at least one truck and employ one driver
- MWSB trucking firms may lease trucks from MWSBs
- MWSB trucking firms may lease trucks from non-MWSBs, however they will not be counted for participation at the same rate as MWSB-owned trucks
- **Truck Utilization Form**



# Contract Compliance Requirements

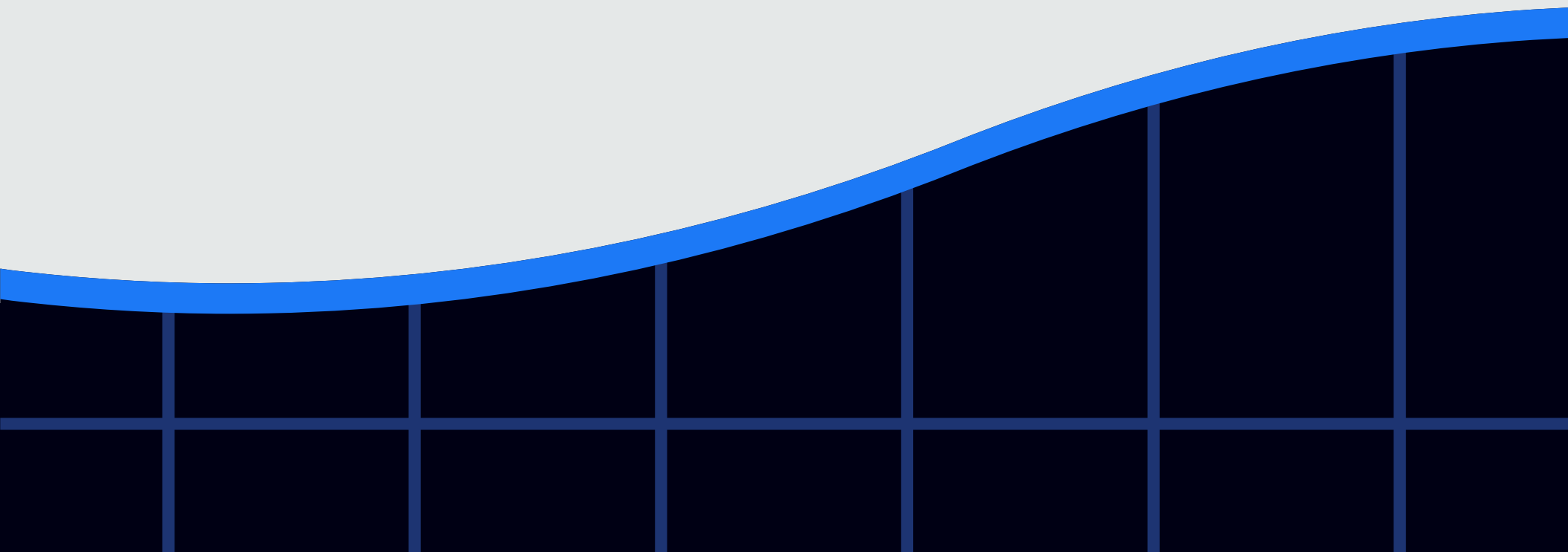
---

- After award, the Prime Contractor is responsible for:
  - Continuing good faith effort to meet the goals
  - Participating in a commercially useful function review
  - Prompt payment requirements
  - Substitution and termination requests
  - Compliance reporting (20<sup>th</sup> of each month)



# Bidding Requirements

---



# Bidding Requirements

---

- Proposal Pricing based on Unit Prices / Schedule of Values – 1 Bid Schedule, Base Bid
- Include Total Bid Schedule
- Total Project Time – 76 Calendar Days
- Liquidated Damages - \$3,000 / Day
- Intermediate Liquidated Damages
  - \$1,000 per 15-minute increment that any work area is not reopened at the designated end time
- Identify Addenda Received
- MWSB Documents Completed



# Standard Form of Agreement Between Owner and Contractor

---

- **AIA Document A132 – 2019**
- Date of Commencement – NTP (Anticipated July 2024)
- Contract Time and LDs – See also Special Conditions
- Contract Sum – Unit Prices established in the Schedule of Values
- Progress Payments – Submit Monthly (by 5th day of month)
- Application for Payment Form
- Sales Tax Reporting Form
- Payment based on Schedule of Values
- Retainage – 5%
- Contractor's and Owner's Representative



# General Conditions of the Contract for Construction

---

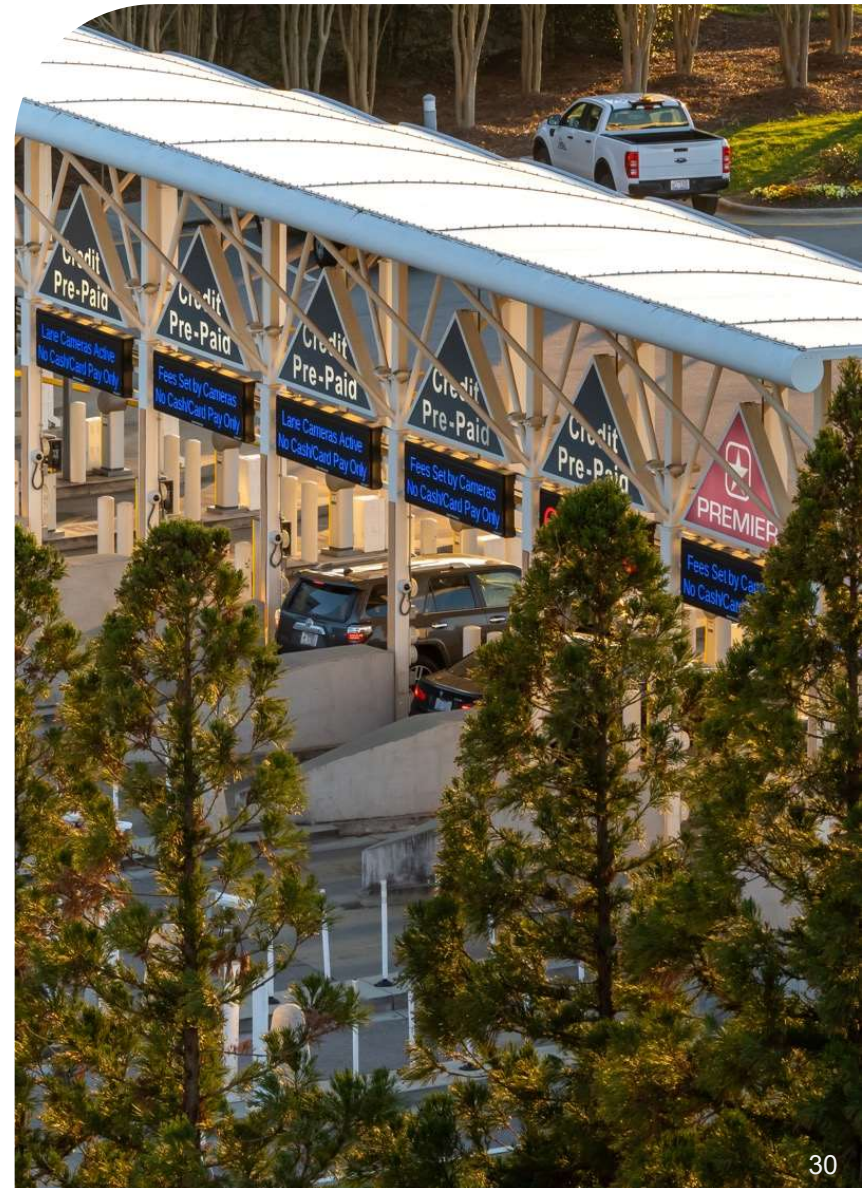
- **AIA A232 – 2019**
- Owner, Contractor, Architect and Construction Manager, Subcontractors
- Construction by Owner or by other Contractors
- Changes in the Work
- Time
- Payments
- Insurance and Bonds (Exhibit A)
- Uncovering and Correction of Work
- Miscellaneous Provisions (Sales Tax Reporting, etc.)
- Termination or Suspension of the Contract
- Claims and Disputes



# Special Conditions of the Contract for Construction

---

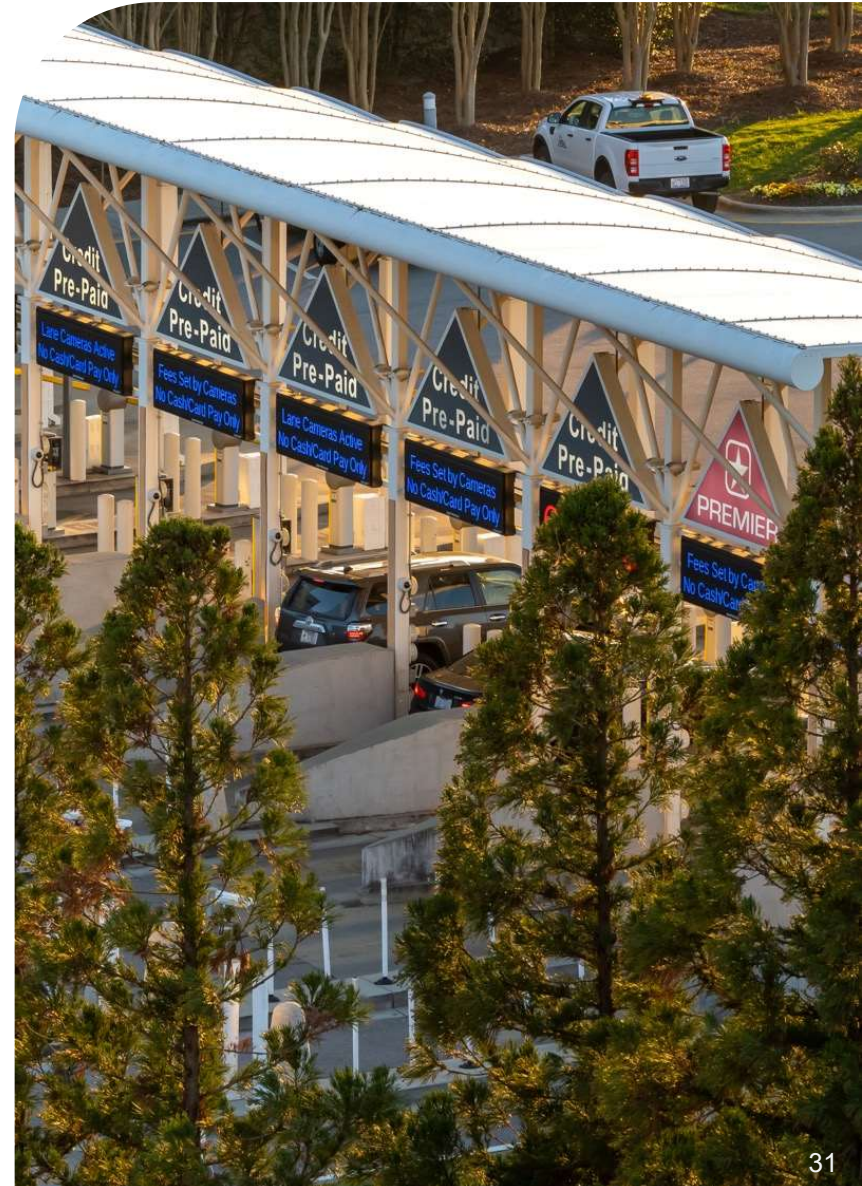
- Contract Time / LD's / Payments
- Weather Days (>0.1", days, months)
- Owner Furnished Materials (Barricades)
- Schedule (Baseline)
- Construction Progress Meetings
- Submittals and RFI's



# Special Conditions of the Contract for Construction

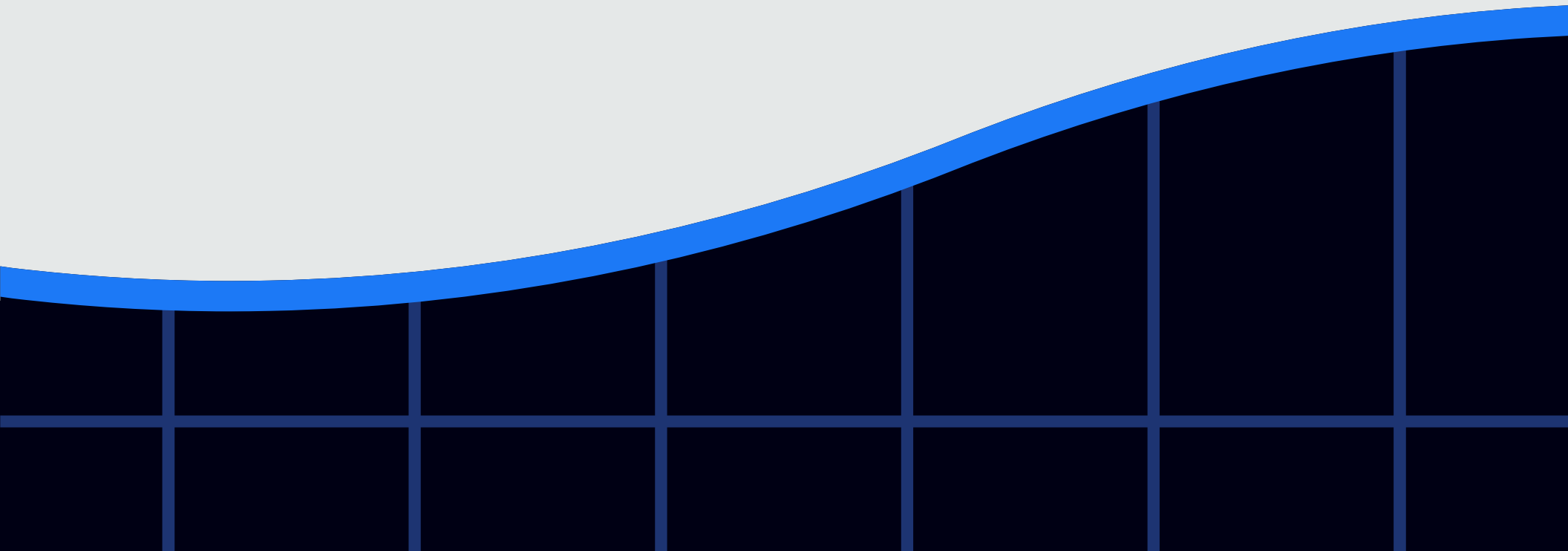
---

- Contractor QC Program / Owner QAT (through Parsons)
- Contractor Safety Program
- Impact Notices
- Access / Haul Roads
- Communication: Contractor / Parsons / Central 919-840-2111 (call for emergency services)
- Dust / Debris / Smoke / Waste Containment and Removal
- Warranty Period – One (1) year



# Project Overview / Scope

---





# Project Scope

---

- Taxiway F pavement has developed cracking which is quickly expanding, causing severe FOD potential.
- Repair methods include:
  - Sealing of hairline cracks using spray application to reduce rate of deterioration
  - Partial depth crack repairs in concrete pavement
  - Partial depth spall repair in concrete pavement

# Project Scope

---

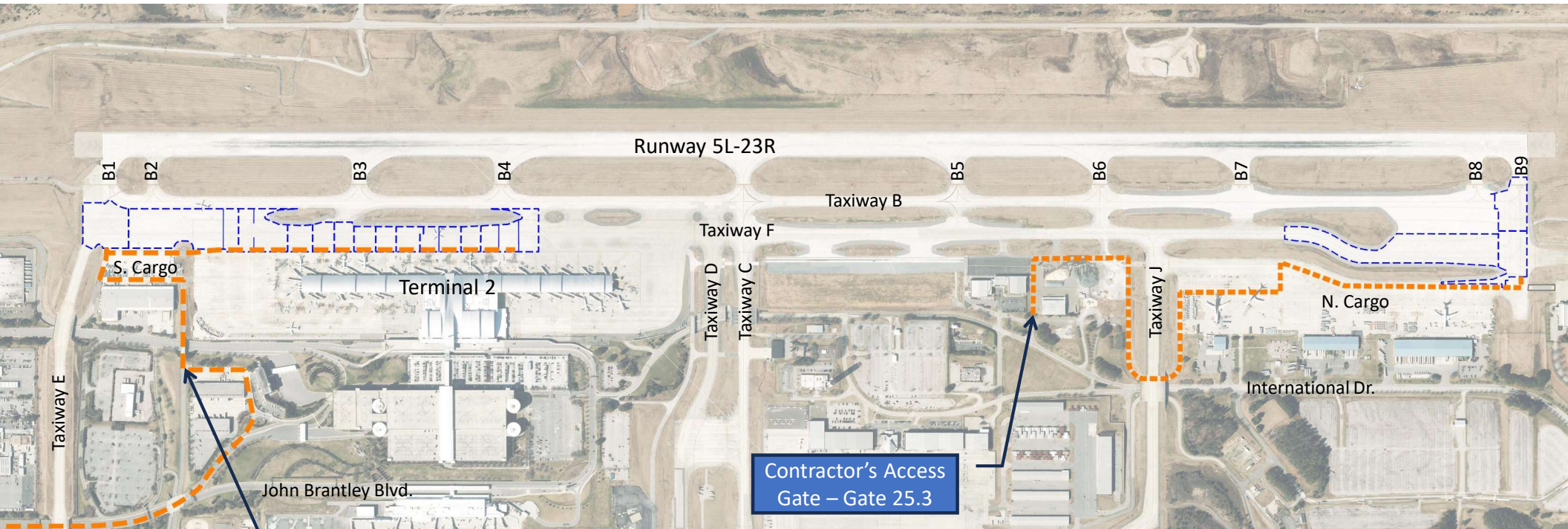


# Project Scope

---



# Project Overview



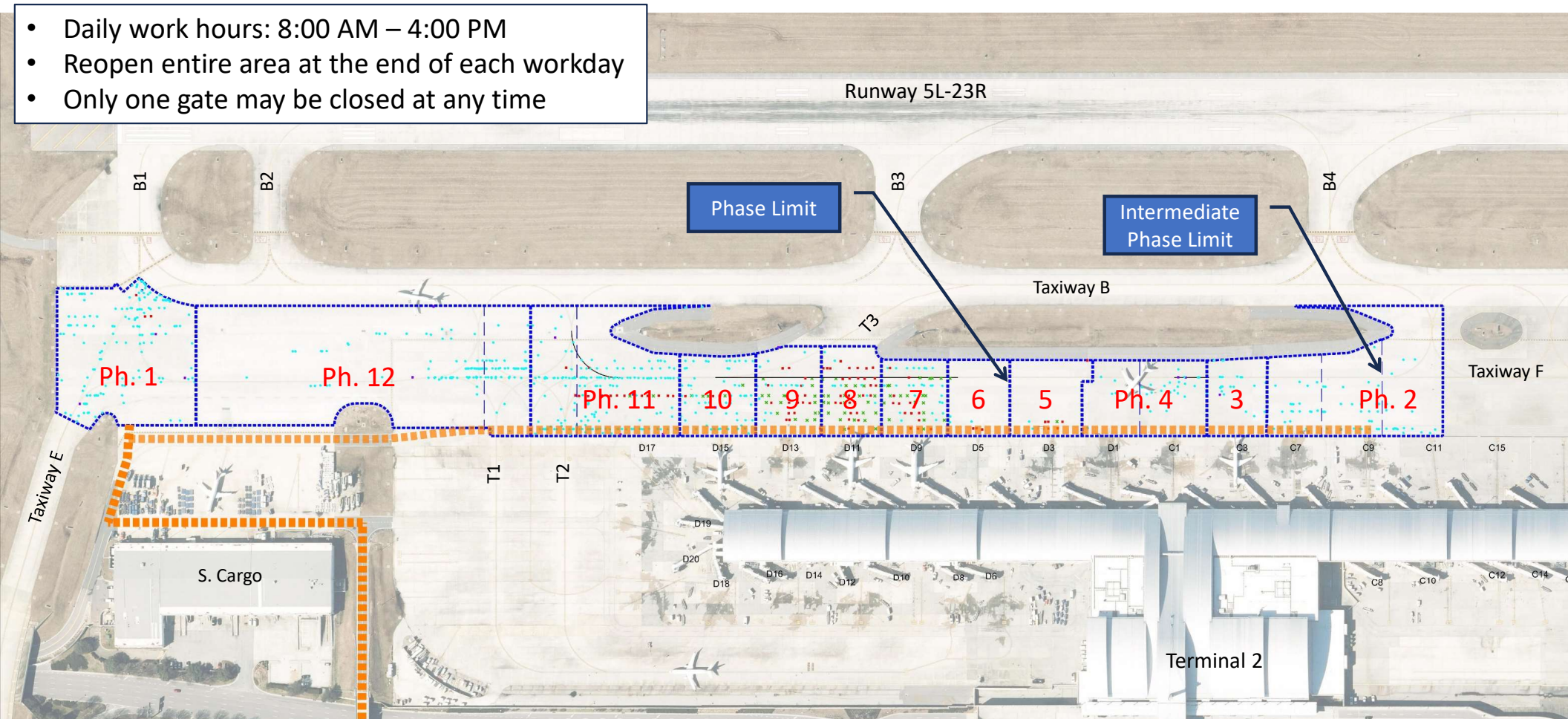
Contractor's Access  
Gate - Gate 55

Contractor's Access  
Gate - Gate 25.3

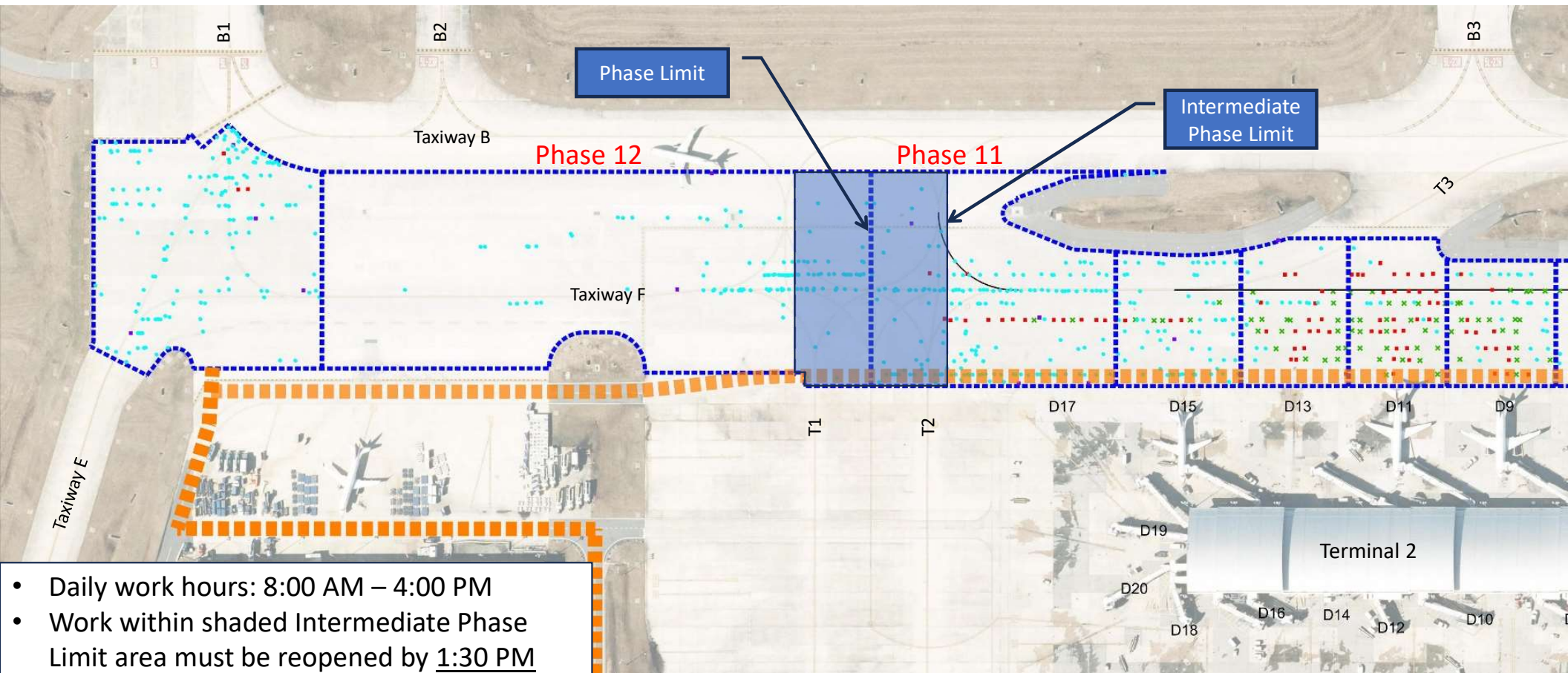
- Owner will coordinate with Contractor prior to the start of construction to identify a suitable staging area for the Contractor's use.

# Project Phasing – South

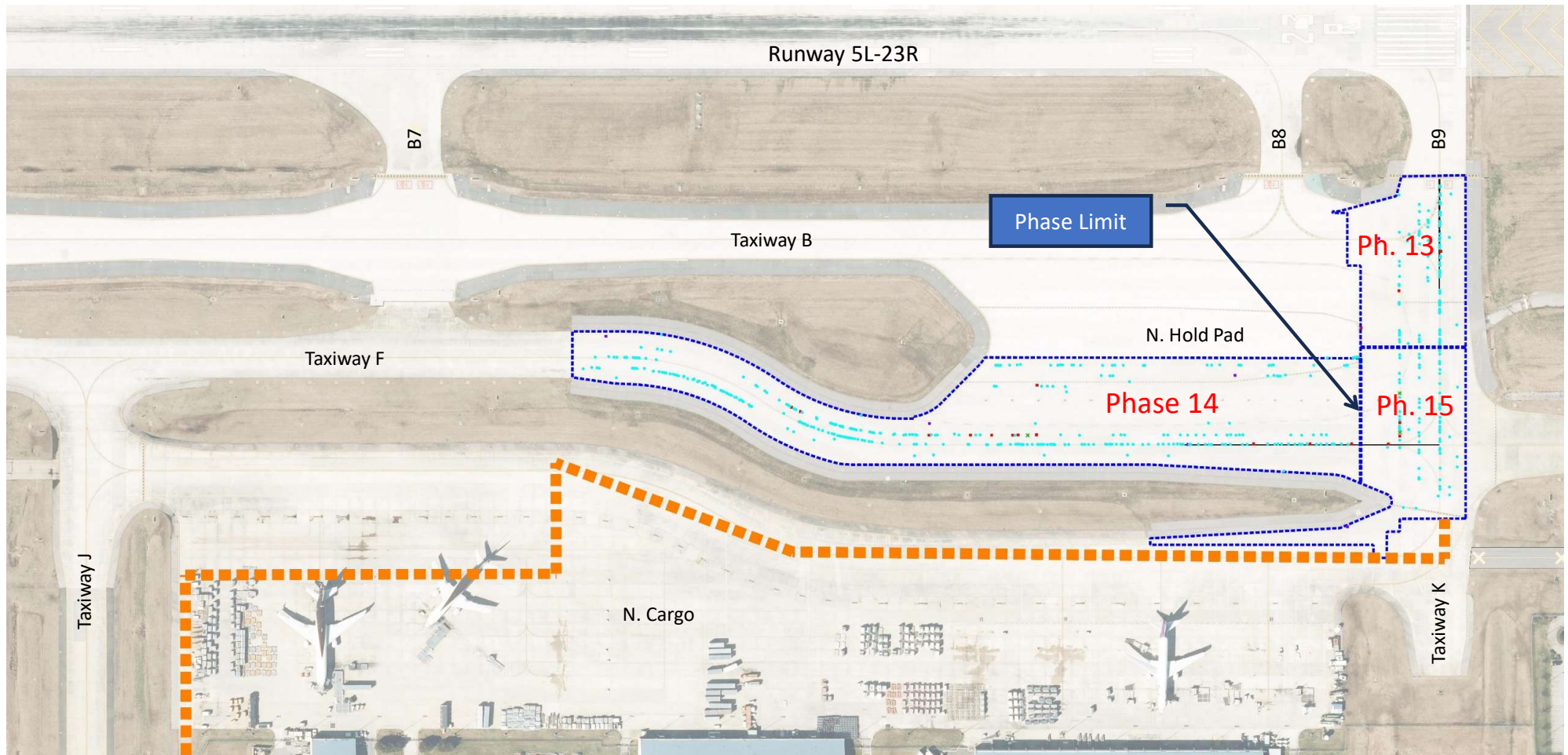
- Daily work hours: 8:00 AM – 4:00 PM
- Reopen entire area at the end of each workday
- Only one gate may be closed at any time



# Project Phasing – Phases 11 & 12

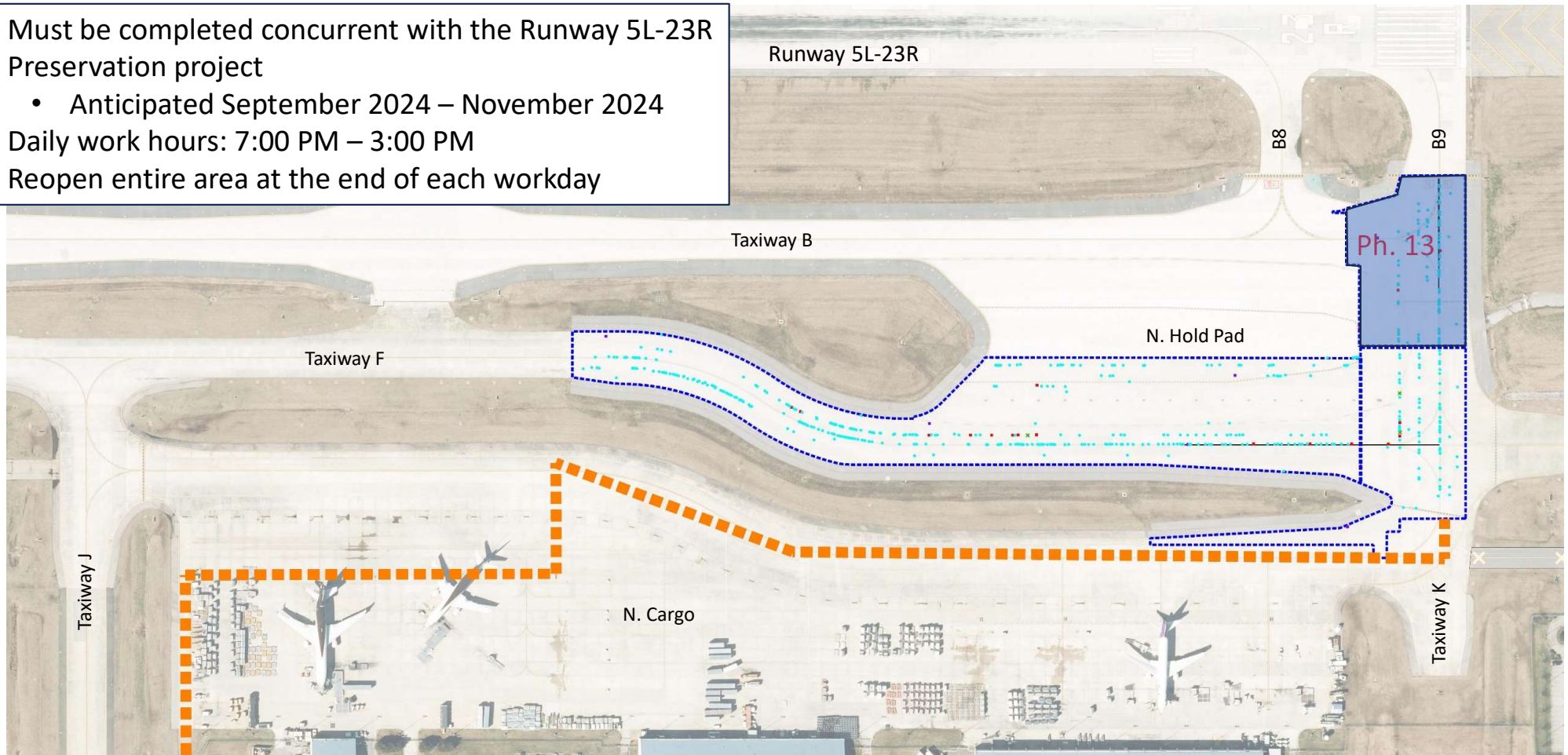


# Project Phasing - North



# Project Phasing – Phase 13

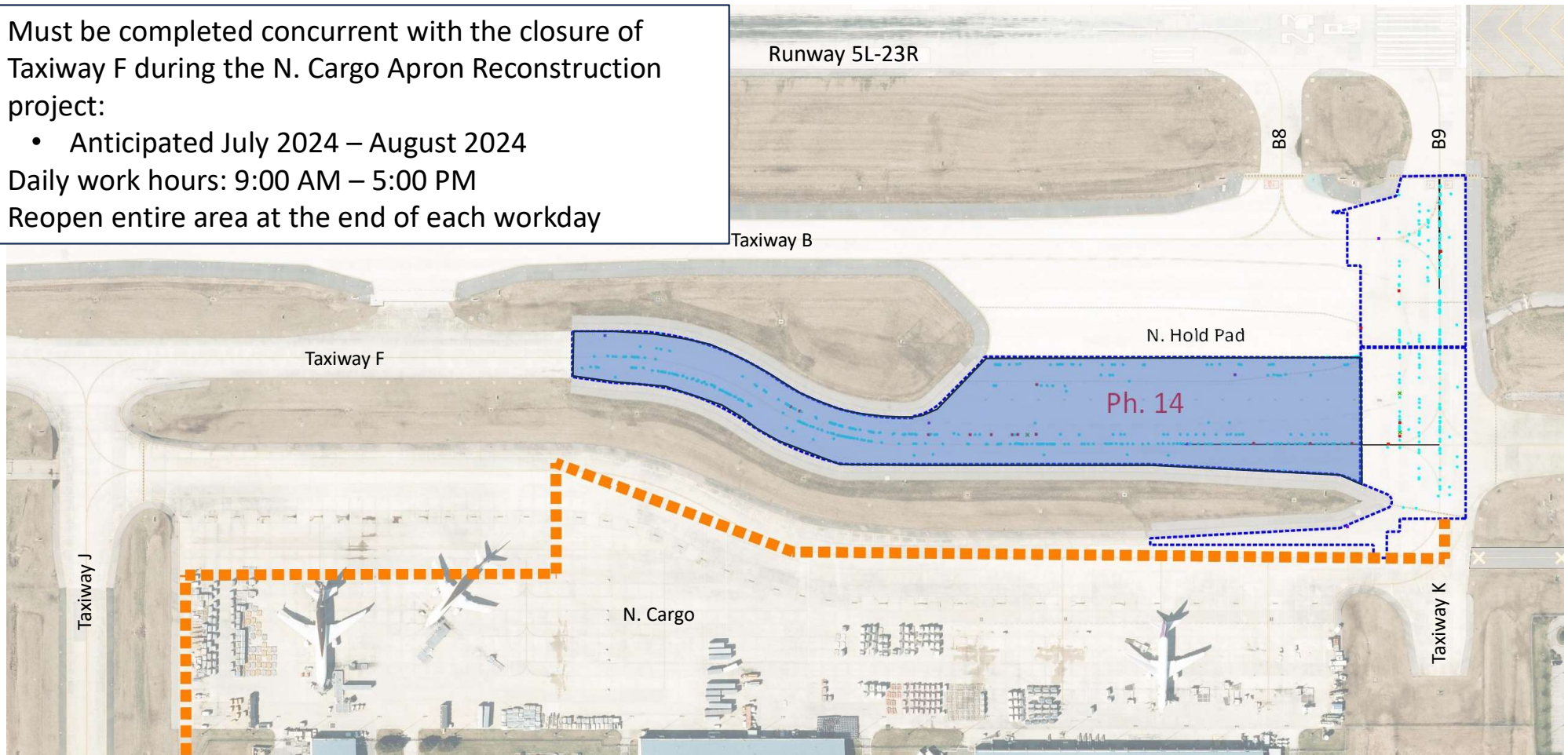
- Must be completed concurrent with the Runway 5L-23R Preservation project
  - Anticipated September 2024 – November 2024
- Daily work hours: 7:00 PM – 3:00 PM
- Reopen entire area at the end of each workday





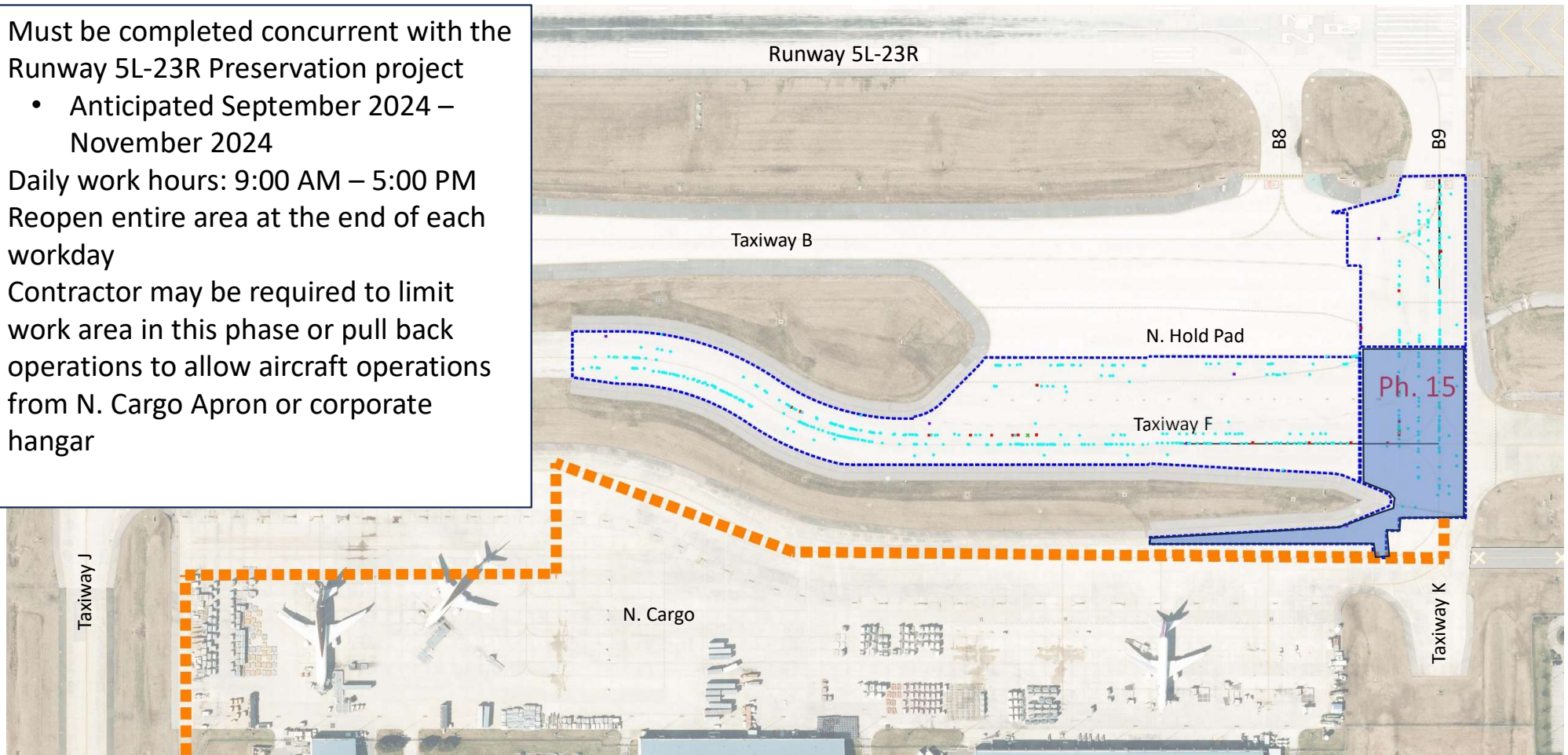
# Project Phasing – Phase 14

- Must be completed concurrent with the closure of Taxiway F during the N. Cargo Apron Reconstruction project:
  - Anticipated July 2024 – August 2024
- Daily work hours: 9:00 AM – 5:00 PM
- Reopen entire area at the end of each workday

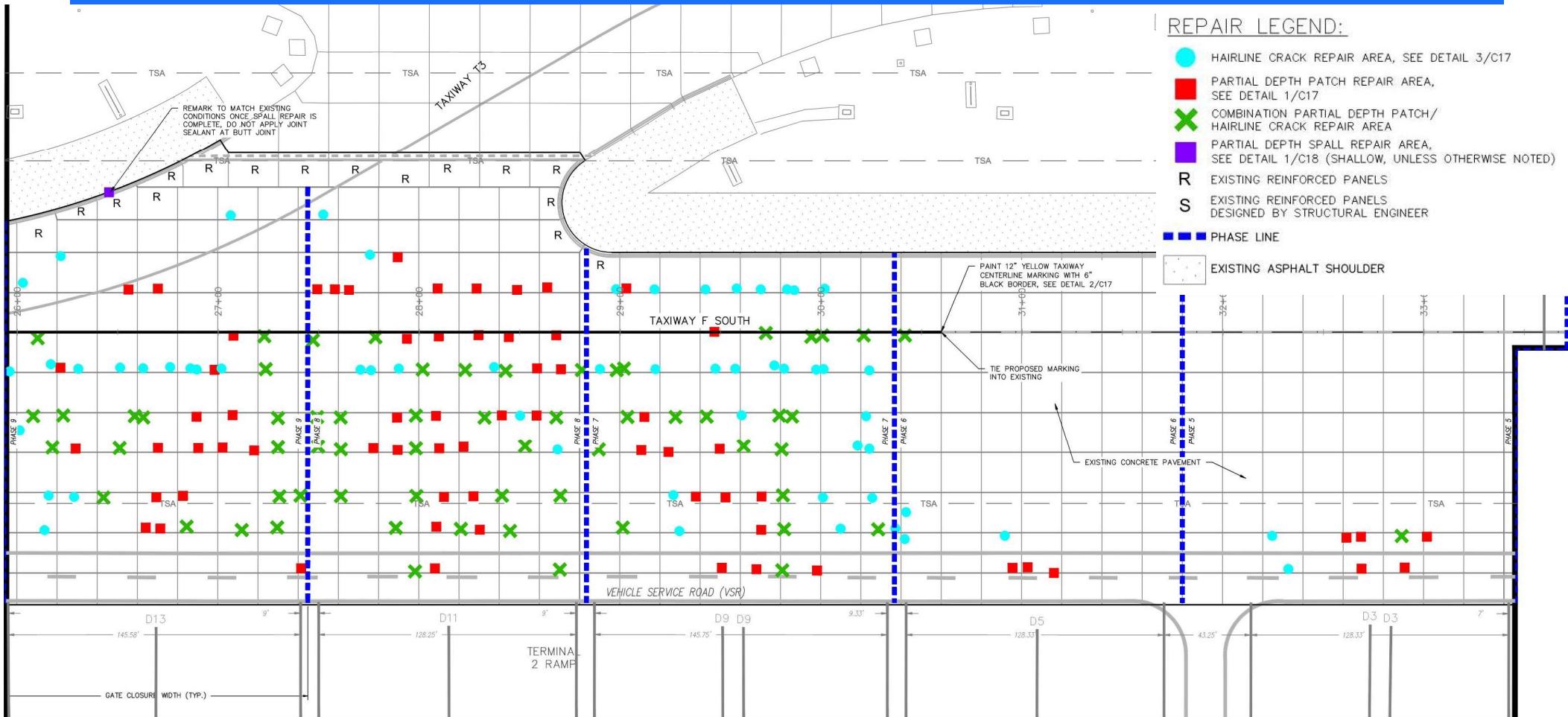


# Project Phasing – Phase 15

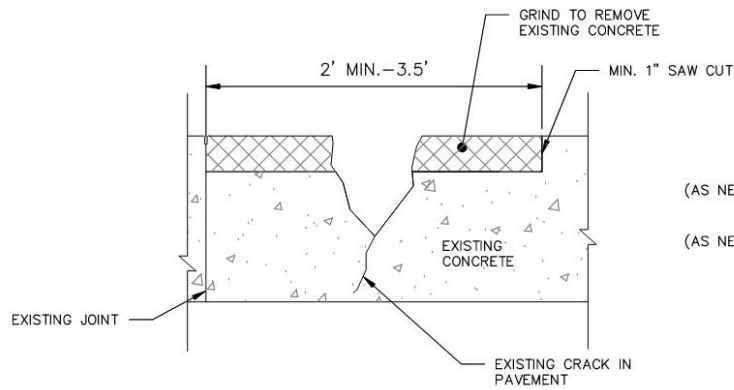
- Must be completed concurrent with the Runway 5L-23R Preservation project
  - Anticipated September 2024 – November 2024
- Daily work hours: 9:00 AM – 5:00 PM
- Reopen entire area at the end of each workday
- Contractor may be required to limit work area in this phase or pull back operations to allow aircraft operations from N. Cargo Apron or corporate hangar



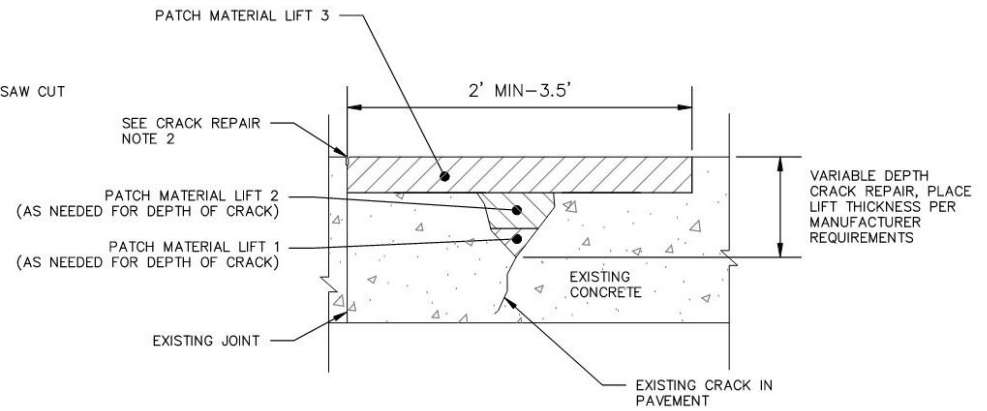
# Repair Maps



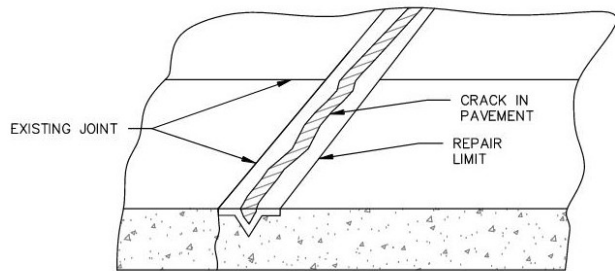
# Crack Repair Details



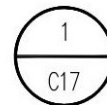
STEP 1 – CRACK PREPARATION



STEP 2 – PATCH MATERIAL PLACEMENT



REPAIR FOR EXISTING CONCRETE CRACKING

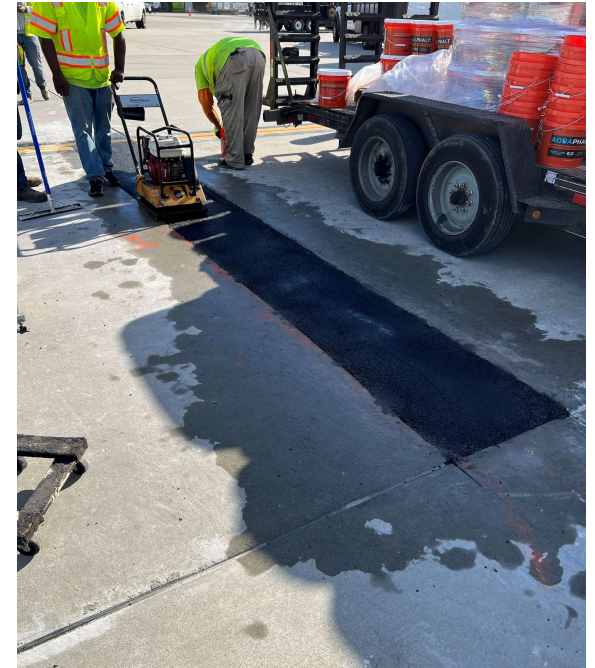
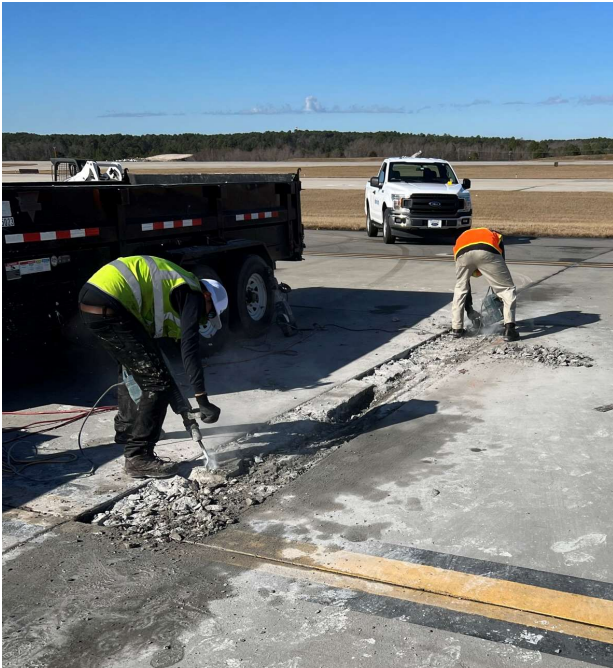


PARTIAL DEPTH CRACK REPAIRS IN  
CONCRETE PAVEMENTS

NTS

# Crack Repair Details

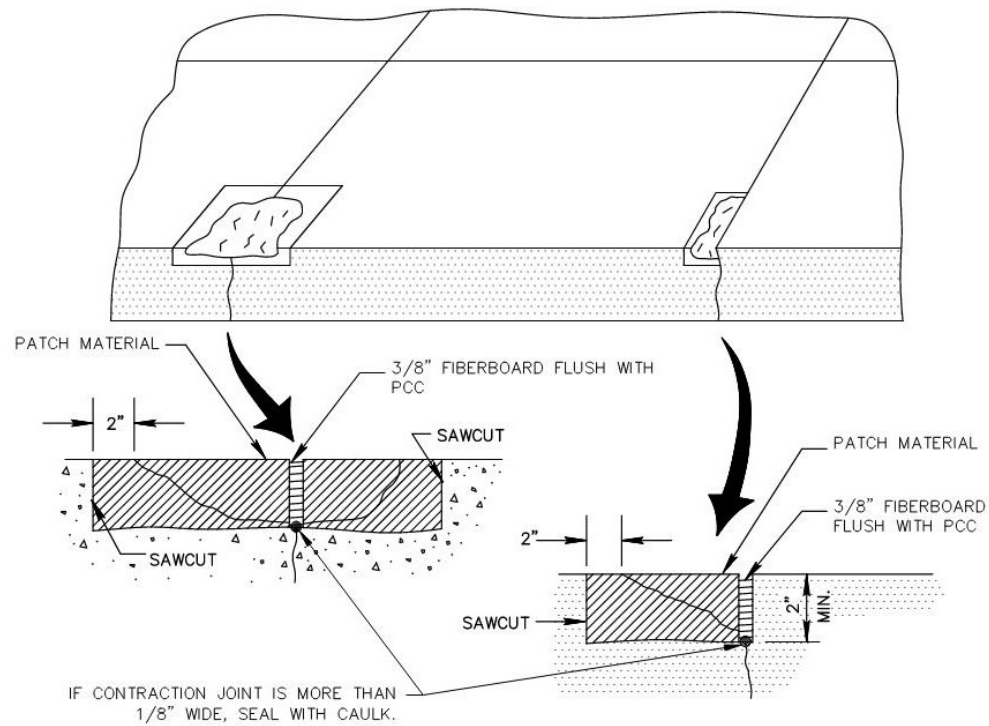
---



# Spall Repair Detail

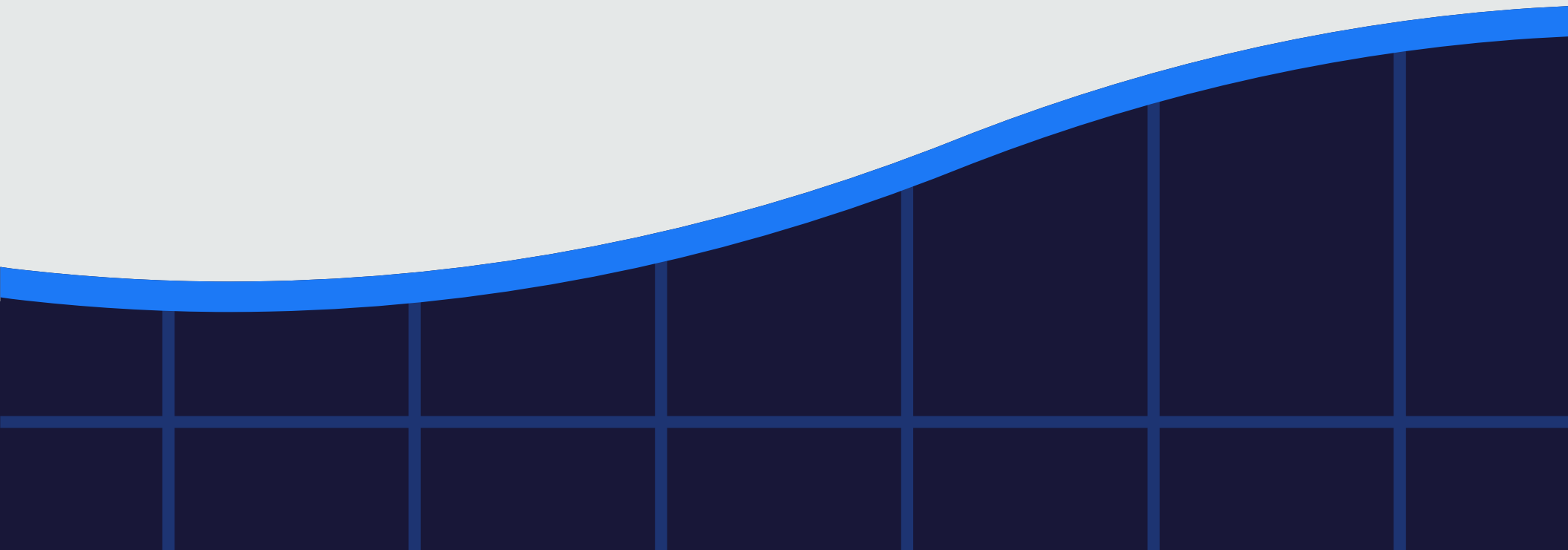
---

SHALLOW REPAIR FOR SPALLS 3" DEEP OR LESS



# Bid Submission / Schedule

---





## Key Upcoming Dates

---

- Bidder Questions Accepted  
Until: March 28, 2024 at 3:00 PM  
Submit questions via email  
to [jim.novak@rdu.com](mailto:jim.novak@rdu.com)
- Bid Opening: April 9, 2024 at 11:30 AM
  - Modular Office Building 1016, located in the RDU Cell Lot, 1000 Trade Drive, Raleigh-Durham Airport





# Bid Submission

## Mailing or Shipping Bid Packages

### **UPS Only:**

Mr. Jim Novak, Director of Airside Engineering  
Raleigh-Durham Airport Authority  
1000 Trade Drive  
Raleigh-Durham International Airport  
Morrisville, NC 27560

### **All Shippers other than UPS:**

Mr. Jim Novak, Director of Facilities Engineering  
Raleigh-Durham Airport Authority  
1000 Trade Drive  
PO Box 80001  
RDU Airport, NC 27623

**Bids Received:** 1:30 PM, April 9, 2024

**Bid Opening Location:** Modular Office Building 1016, located in the RDU Cell Lot, 1000 Trade Drive, Raleigh-Durham Airport



# Project Schedule

---

- Duration: 76 Days
- Project Advertised: March 18, 2024
- Pre-Bid Meeting: March 20, 2024
- Bid Opening: April 9, 2024
- Anticipated Award: May 16, 2024
- Anticipated NTP: July 2024
- Anticipated Completion: September 2024

# Questions?

---

