



TAKE OFF WITH US

Memphis

INTERNATIONAL AIRPORT

Pre-Bid Conference

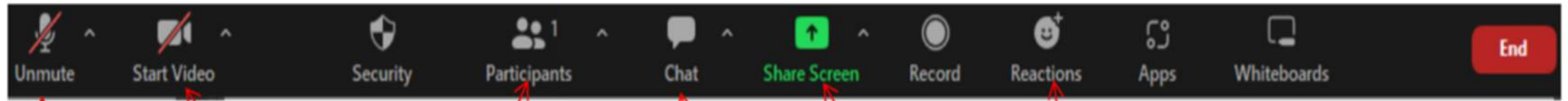
**Taxiway Alpha West Reconstruction– Construction
MSCAA Project No. 18-1413-01**

Tuesday, April 18th, 2023

Meeting Agenda

- Welcome
- Introductions
- Proposal Package Submittal
- Sign-In Sheet
- Site Visit
- Q&A Process
- Anticipated Date Sequence
- Procedures, Protocol, and General Contract Requirements
- Project Scope, Phasing, and Technical Review
- Q&A Session

USING ZOOM



UNMUTE MIC ONLY
WHEN IT'S YOUR
TURN TO SPEAK

TURN
WEBCAM
ON/OFF

SEE
PARTICIPANTS
ON THE CALL

JOIN THE
CHAT
DISCUSSION

SHARE YOUR
SCREEN

RAISE YOUR
HAND IF ANY
QUESTIONS

Slide 3

BATPO

I updated this slide in the Terminal Apron presentation. 13-1368-02

Brian A. Tenkhoff, P.E., 2022-08-11T14:32:58.190

RF0 0

New Zoom bar copied over.

Roger Folk, 2022-08-11T20:18:30.459

Introductions, Responsibilities, and Lines of Communication

Project Team:

Owner:

Memphis-Shelby County Airport Authority (MSCAA)

- Brian Tenkhoff – Director of Development
- John Parrish – Project Manager
- Lori Morris – Manager of Environmental Services
- Parsons – Program Manager

Civil Engineer:

Allen & Hoshall

- Harry Pratt– President
- Tim Gibson- Principal

Slide 4

- BATP0**

My actual title is Manager of Engineering and Construction

Brian A. Tenkhoff, P.E., 2022-08-11T13:30:43.274
- BATP1**

Parsons will be the Program Manager on this project. Please list them

Brian A. Tenkhoff, P.E., 2022-08-11T13:31:02.374
- BATP2**

Make sure you talk through responsibilities and lines of communication when on this slide

Brian A. Tenkhoff, P.E., 2022-08-11T14:33:45.902

Proposal Package Submittals

Bid documents are available online at www.flymemphis.com/rfps-rfqs.

Please monitor www.flymemphis.com for updates, addendums, etc.

| Bid / RFP / RFQ Name | Date Issued | Sealed Bids will be received by: |
|---|---------------|---|
| Taxiway Alpha West Reconstruction - Construction Bid No. 18-1413-01 | April 6, 2023 | Tuesday, May 9, 2023 at 2pm Local Time |
| DOCUMENTS · Specifications · Drawings · Proposal Package | | |
| PRE-BID MEETING A virtual Pre-Bid Meeting will be held Tuesday April 18th at 1:30 PM local time via phone/video conference. https://us06web.zoom.us/j/83507056464?pwd=N2ZGUjFSSyVHNWM3gyVm4wcDVpdz09 Phone: +1 312 626 6799; Meeting ID: 835 0705 6464; Passcode: 596944. Attendance at the Pre-Bid Meeting is strongly recommended. The project site will be available for inspection upon request. | | |
| QUESTIONS All bid questions must be submitted to MSCAA-QA.Parsons@parsons.com . To guarantee a response, questions must be submitted by 5:00pm local time, Friday, April 28, 2024. | | |
| LEGAL NOTICE Please click here to download the Legal Notice. | | |

[Return to main Bids/RFPs/RFQs page](#)

Proposal Package Submittals

Proposal Package **Required** Contents:

- Proposal Envelope
- Proposal (Specification 00405)
- Proposal Guarantee (Specification 00410)
- DBE Assurance Statement – one each per DBE Partner (Specification 00445)
- DBE Goals Accomplishment Statement (Specification 00445)
- Information on All Firms that Provide Bids or Quotes (Specification 0045)
which the scope of work and dollar value contained in your Assurance Statement is based with items included in the Proposal either circles and/or highlighted.
- Signed Addenda (if applicable)

Refer to Specification 00200 – Instructions to Bidders for full instructions

Proposal Package Submittals

Submit proposals to:

MSCAA-Procurement Department
4150 Louis Caruthers Drive
Memphis, TN 38118

Bids due:

Tuesday, May 9th, 2023
2:00 PM central time

Approx. 30 minutes after, bids will be opened and publicly read via
phone/video conference at

<https://us06web.zoom.us/j/82644203689?pwd=NmxURVVRbUlnRHliTmhOcktKbnpVQT09>

[Phone: +1 312 626 6799; Meeting ID: 826 4420 3689; Passcode: 838632](https://us06web.zoom.us/j/82644203689?pwd=NmxURVVRbUlnRHliTmhOcktKbnpVQT09)

Bids are good for seventy-five (75) days



PROPOSAL PACKAGE SUBMITTALS



**Procurement Warehouse
4150 Louis Carruthers Drive**

Louis Carruthers Drive

Shelby Drive



Sign-In Sheet

- Although this is NOT a mandatory pre-bid meeting, we do encourage all attendees to “sign-in”.
- To sign-in, please send an email to MSCAA-QA.Parsons@parsons.com or via Zoom Chat stating your name, company name, whether you are a prime or sub contractor, email address, office and cell phone numbers;
- Attendee list (name/company name only) will be posted via project website after the pre-bid meeting. Attendee list w/ contact information is available upon email request.

Slide 9

- BATP0**

Bullet #1. Last one I did I changed to encourage all attendees to register.
Brian A. Tenkhoff, P.E., 2022-08-11T14:09:12.743
- RF0 0**

Item changed
Roger Folk, 2022-08-11T20:20:38.616
- BATP1**

Bullet #2. emphasis prime or sub.
Brian A. Tenkhoff, P.E., 2022-08-11T14:25:48.766
- RF1 0**

updated
Roger Folk, 2022-08-11T20:20:50.741
- BATP2**

Either on the slide or in the notes, let them know that list (name/company name only) will be posted to the website and full contact list available by request.
Brian A. Tenkhoff, P.E., 2022-08-11T14:26:29.566
- RF2 0**

Updated.
Roger Folk, 2022-08-11T20:21:22.819

Site Visit

- Project is active airfield pavement. Site visit will be coordinated as requested. Please notify MSCAA during this pre-bid or using the Q/A project email on listed on www.flymemphis.com



Q&A Process

- All questions **must** be submitted to: MSCAA-QA.Parsons@parsons.com
- Question Deadline: **To guarantee a response, questions must be submitted by 5:00pm local time, Friday, April 28, 2023**
- Answers will be provided via addendum.
- **Questions not submitted in this manner will not be provided with a formal answer.**

Anticipated Date Sequence

- Questions due by 5:00 p.m. local time, **Friday, April 28, 2023.**
- Q&A w/ Final Addendum posted to the website not later than **Wednesday, May 4, 2023.**
- Bid Opening: **Tuesday, May 9, 2023**, at 2:00 p.m. local time
Bid reading will be via phone conference at 2:30 p.m. local time
- Award/Contract – Precise timing to be determined. General sequence:
 - Identification of selected proposal – May 2023
 - Notice of Intent to Award – May 2023
 - Contract Review/Execution – May 2023
 - NTP – June 2023
 - Completion – October 2024

*Continue to monitor www.flymemphis.com website for addendums after 5/4/2023

Procedures, Protocol, and General Contract Requirements



General Contract Requirements

DBE Requirements – Section 00445

Joe Claiborne – Business Diversity
Regina Armstrong

DBE Goal:

26%

April 6, 2023

DIVISION 0 – SECTION 00445

MSCAA 18-1413-01

DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS

MSCAA operates a federal Disadvantaged Business Enterprise (DBE) Program and a non-federal Business Diversity Development Program (BDDP) to ensure full and fair opportunities in MSCAA contracting for businesses owned by socially and economically disadvantaged individuals. Memphis-Shelby County Airport Authority (MSCAA) administers both programs according to the regulations that apply to the federal program, primarily 49 CFR Part 26. Because the BDDP program applies to contracts involving non-federal funds, not every aspect of 49 CFR Part 26 is relevant to the BDDP program. In most areas, 49 CFR Part 26 will guide our operation of the BDDP including, but not necessarily limited to, rules dealing with certification and counting participation. Only firms that are certified consistent with 49 CFR Part 26 and by the MSCAA or Tennessee Department of Transportation Unified Certification Program (TN UCP), as identified below, will be considered to be certified as a Disadvantaged Business Enterprise.

This section, entitled "Disadvantaged Business Enterprise Requirements" is provided in an effort to assist Respondents. The information contained in this section is not intended to, nor does it, supplement or amend any federal regulation. All Respondents are responsible for compliance with all applicable federal and MSCAA rules and requirements.

It is a requirement that all Respondents providing services for the MSCAA take all reasonable steps to ensure that DBE have a full and fair opportunity to compete for and perform contract work without discrimination on the basis of age, race, sex, color, national origin, creed, religion, sexual orientation or disability. In order to satisfy this requirement, Respondents will be expected to timely submit documentation as identified below and throughout the contract period if selected, and cooperate with MSCAA. Failure to timely submit requested documentation, cooperate with MSCAA or answer inquiries truthfully will be considered a material contract breach and may result in termination.

The following documents must be submitted with your response to this solicitation:

DBE Assurance Statement/Letter of Intent. The Respondent must submit an Assurance Statement for each DBE whose participation the Respondent is counting toward the goal. This may include first, second, third and so on tier subcontractors and the Respondent and all subcontractors between the Respondent and the DBE should sign the Assurance Statement. The Respondent must submit this Assurance Statement on Company Letterhead.

For each Assurance Statement, the Respondent must also provide the written quote or proposal from the DBE or other communication from the DBE upon which the scope of work and dollar value contained in your Assurance Statement is based ("quote/proposal").

For all RFQs using federal monies, the Assurance Statement(s) must still be submitted and list the DBE's to be used and their scope of work, but no dollar amount(s) is entered. Dollar amount(s) will be submitted by the prevailing Respondent upon completion of the selection process.

All portions of the Assurance Statement must be completed (including the description of work, the estimated contract amount, and the estimated dollar value of DBE participation for counting and goal purposes) before the Assurance Statement is signed by either the DBE or the Respondent. If the DBE's, and if applicable the 2nd/3rd Tier Subcontractor's, signature(s) can be obtained on the completed Assurance Statement before the bid

General Contract Requirements

DBE Requirements

April 6, 2025 MSCAA 18-1413-01

Project No. _____

DBE ASSURANCE STATEMENT/LETTER OF INTENT

RESPONDENT:

Name of Firm: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____

DBE:

Name of Firm: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____

Description of work to be performed by DBE:

The Respondent is committed to utilizing the above-named DBE for the work described above. The estimated dollar value of this work is \$ _____, which is _____% the total base bid proposal.

AFFIRMATION

The above-named DBE affirms that it will perform the portion of the contract for the estimated dollar value as stated above.

By: _____
Signature of DBE and Title Date Name

By: _____
Signature of 2nd/3rd Tier Subcontractor Date Name
and Title

If the Respondent does not receive award of the prime contract, any and all representations in this letter of Intent and Affirmation shall be null and void.

By: _____
Signature of Respondent and Title Date Name

(SUBMIT ON RESPONDENT'S LETTERHEAD FOR EACH DBE SUBCONTRACTOR.)

00445 ISSUED FOR BID
Page 8

General Contract Requirements

DBE Requirements

April 6, 2023 MSCAA 18-1413-01

Project No. _____

RESPONDENT DBE GOALS ACCOMPLISHMENT STATEMENT

The undersigned Respondent has satisfied the requirements of the bid/proposal specification in the following manner (please complete the appropriate spaces):

_____ The Respondent is committed to a minimum of 26% DBE utilization on this contract.

_____ The Respondent is unable to meet the DBE goal of _____ % but is committed to a minimum of _____ % DBE utilization on this contract and submits the attached narrative and documentation demonstrating good faith efforts consistent with Appendix A of 49 CFR 26. **The Respondent should attach as many pages as necessary to provide a full and complete narrative and supporting documentation of good faith efforts made. This narrative must be written on company letterhead and signed.**

Please provide an explanation for the percentage quoted above:
Provide an explanation of the dollar value of DBE's participation and compensation and how this has been determined to meet the specific goal requirements of this solicitation in whole or part.

If DBE and company will enter into a Joint Venture, please describe the terms of the relationship and attach a copy of the contract between the parties.

It is the present intent of the Respondent to utilize the specific DBE firms identified in this proposal in the execution of this contract. If for any reason, one or more of the DBE identified here are unable or unwilling to participate, the Respondent will make good faith efforts to replace the DBE with a similar DBE. The Authority DBE Good Faith Procedures are provided in this package and apply to this proposal.

Respondent's Name: _____

State Registration No.: _____

Federal Tax ID No.: _____

By: _____
Signature and Title Date

(SUBMIT THIS PAGE ON RESPONDENT'S LETTERHEAD)

General Contract Requirements

DBE Requirements

April 6, 2023

MSCAA 18-1413-01

Project No. _____

VOLUNTARY DISCLOSURE OF RESPONDENT DATA

For Title VI Compliance, we ask for voluntary disclosure of the following information:

Gender: Male
 Female

Race: Caucasian
 Black American
 Hispanic American
 Native American
 Subcont. Asian American
 Asian-Pacific American
 Other (please specify) _____

(DO NOT SUBMIT THIS PAGE ON LETTERHEAD)



General Contract Requirements

DBE Requirements

April 6, 2023

Information on All Firms that Provided Bids or Quotes to:

MSCAA 18-1413-01

This requirement applies to all firms, regardless of whether they are subs or primes, regardless of the gender or race of their owners, and regardless of whether they are ultimately chosen to participate in the contract. Please list below the name, address, phone number and contact person for every firm that provided you a bid or a quote on this project – even if you ultimately decided not to use the firm in preparing your final bid. The first line should be used for the **prime contractor** on this project. All sections must be completed to the best of your ability.

MSCAA Proj./Bid No.: _____

| Name of Firm | Selected? Y/N | Full Address of Firm | Point of Contact | Phone No. | DBE? Y/N | Firm Age | AGRR * |
|--------------|------------------|----------------------|------------------|-----------|-------------|-------------|-----------|
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*Footnote: Please enter the letter for the category that best identifies your annual gross revenue.
AGRR = Annual Gross Revenue Ranges:
A = Less than \$500,000 B = \$500,000 - \$1 Million C = \$1 - \$2 Million D = \$2 - \$5 Million E = Over \$5 Million



General Contract Requirements

Owner-Controlled Insurance Program (OCIP) – Section 00500 Exhibit C

John Shorten

Willis Towers Watson

EXHIBIT C
TO
UNIT PRICE CONSTRUCTION CONTRACT
FOR
TAXIWAY ALPHA WEST RECONSTRUCTION - CONSTRUCTION

BY AND BETWEEN
THE MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY
AND
(CONTRACTOR NAME)

OWNER CONTROLLED INSURANCE PROGRAM

C.1. Owner Controlled Insurance Program

The Owner has elected to implement an Owner Controlled Insurance Program (OCIP) that will provide **Workers' Compensation, Employer's Liability, Commercial General Liability, Excess Liability and Builders' Risk Insurance** for Contractors and Subcontractors of every tier who have been properly enrolled and are providing direct labor to the Project. A general summary of coverage provided by the OCIP is included in the MSCAA OCIP Manual, (hereinafter called the Manual), a copy of which is attached hereto and made a part of this Agreement and should be attached to and incorporated in every subcontract. All terms and conditions of Exhibit C will apply during the term of the contract. The Owner agrees to pay all premiums associated with the OCIP.

While the OCIP provides uniform coverages and reasonable limits, the OCIP is not intended to meet all the insurance needs of the Contractor and eligible Subcontractors who have been properly enrolled. In addition to any insurance provided by Owner, the Contractor and all Subcontractors working on the Project will be responsible for providing certain insurance as specified in paragraph C.2. Contractors and eligible Subcontractors should discuss the OCIP with their insurance agent or consultant to assure that other proper coverages are maintained. Contractor and eligible Subcontractors enrolled in the OCIP agree that the insurance company policy limits of liability, coverage terms and conditions shall determine the scope of coverage provided by the OCIP.

C.1.1. Applicability of the OCIP

Participation in the OCIP by the Contractor and all eligible Subcontractors is mandatory but not automatic. The Contractor and each eligible Subcontractor (as defined below) must follow the enrollment procedures shown in the Manual. The Contractor shall comply with all requirements of the OCIP as outlined in the OCIP Manual and shall require all eligible Subcontractors to comply with requirements of the OCIP manual. The Manual may be updated and revised during the course of construction to reflect any changes in State Law, Rules and/or Regulations or Procedures that may be necessary or appropriate, and said revisions will replace all previous versions. Copies of any revised Manual will be distributed by the OCIP Administrator.

- If the Contractor or any eligible Subcontractor fails to enroll any of its eligible Subcontractors of any tier, it will be subject to a penalty charge of the full and complete deduct as shown in C.1.2.c or 3% of the subcontract cost, whichever is greater. Note: Collection of the penalty charge of any non-enrolled contractor(s) of any tier does not provide automatic coverage in the program.
- If any Contractor or any eligible Subcontractor enrolls in the OCIP more than 30 days after its start date, it will have to provide a No Known Loss Letter to the Carrier along with the enrollment documentation.

Eligible Subcontractor includes all Subcontractors providing or subcontracting for direct labor on any Designated Project (see definition of ineligible Subcontractors below).

Ineligible Subcontractor includes (but is not limited to) subcontractors performing any type of environmental remediation work (example: asbestos or underground tank removal), consultants, suppliers (that do not perform or subcontract installation), vendors, materials dealers, guard services, janitorial services, truckers (including trucking to any Designated Project where delivery is the only scope of work performed), employee leasing companies, temporary labor services and other temporary project services. However, such Employee leasing and temporary labor service companies can be

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Contract: Contractor Name
Taxiway Alpha West Reconstruction - Construction
MSCAA Project No. 18-1413-01



General Contract Requirements

Owner-Controlled Insurance Program (OCIP)

Insurance Provided by MSCAA

- Owner will provide
 - Workers' Compensation
 - Commercial General Liability
 - Umbrella and Excess Liability
 - Builder's Risk

- Applicable only to enrolled Contractors and Subcontractors of every tier
- Certain contractors may not be eligible for enrollment – see manual for additional details

- **Contractor Insurance Cost Identification**
 - Contractor and eligible Subcontractors will exclude their cost for all insurance coverages to be provided by the Owner
 - Contractor will warrant that is true

Note:

- Prime may not place any larger deductible on sub-contractor than those specified in the contract

General Contract Requirements

Owner-Controlled Insurance Program (OCIP)

Insurance Provided by MSCAA

Workers' Compensation

- Insurer: Zurich American Insurance Company
- Limits
 - Part 1: Workers' Compensation: TN State Limits
 - Part 2: Employer's Liability
 - Bodily Injury by Accident – Each Accident \$1,000,000
 - Bodily Injury by Disease – Policy Limit \$1,000,000
 - Bodily Injury by Disease – Each Employee \$1,000,000
 - Deductible n/a

Commercial General Liability

- Insurer: Zurich American Insurance Company
- Limits
 - General Aggregate Limit (Other than Products – Completed Operations) \$4,000,000
 - Product-completed Operations Aggregate Limit \$4,000,000
 - Personal and Advertising Injury Limit (Any One Person or Organization) \$2,000,000
 - Each Occurrence Limit \$2,000,000
 - Fire Legal Liability (Any One Fire) \$250,000
 - Medical Expense Limit (Any One Person) \$10,000
 - Deductible at MSCAA discretion but not to exceed \$10,000

General Contract Requirements

Owner-Controlled Insurance Program (OCIP)

Insurance Provided by MSCAA

Umbrella and Excess Liability

- Insurers: Various
- Limits: \$100,000,000 and in the aggregate

Builder's Risk

- Insurer: Factory Mutual
- Limits: Various
- Contractor Deductible: \$25,000

NOTE:

Prime may not place any larger deductible on sub-contractor than those specified in the contract

General Contract Requirements

Owner-Controlled Insurance Program (OCIP)

Insurance Provided by contractor of every tier – check with your agent!

- Insurers must be licensed to do business in TN
- Must meet minimum security requirements

Commercial Automobile Liability

- Limit: \$1,000,000 combined single limit
- Required Coverages
 - Additional Insured for Owner
 - Hired, owned and non-owned
 - Waiver of subrogation for Owner, Design Professionals, Program Manager
 - Hazardous materials transport requires MCS-90 endorsement

Workers' Compensation and Employers Liability

- Limit:
 - Workers' Compensation: TN state of hire
 - Employer's Liability: \$1,000,000 employee/ \$1,000,000 disease/ \$1,000,000 aggregate
- Required Coverages
 - Waiver of subrogation for Owner, Design Professionals, Program Manager
 - Away from Designated Project Site or after OCIP termination

General Contract Requirements

Owner-Controlled Insurance Program (OCIP)

Insurance Provided by contractor of every tier – check with your agent!

- Insurers must be licensed to do business in TN
- Must meet minimum security requirements

Commercial General Liability

- Limits required
 - \$1,000,000 Bodily Injury and Property Damage Limit for each occurrence
 - \$1,000,000 Personal & Advertising Injury
 - \$2,000,000 General Aggregate (Annual)
 - \$2,000,000 Products/Completed Operations Aggregate (annual)
 - The general aggregate limit shall apply separately to each project.
- Required Coverages
 - CG 2010 (1001) and CG2037 (1001) basis of coverage
 - Primary and non-contributory to any coverages provided by owner
 - Completed ops coverage for 6 years or applicable statute of limitations
 - Additional Insured for Owner, Design Professionals, Program Manager

General Contract Requirements

Owner-Controlled Insurance Program (OCIP)

Insurance Provided by contractor of every tier – check with your agent!

- Insurers must be licensed to do business in TN
- Must meet minimum security requirements

Excess or Umbrella Liability

- Minimum limit required of prime
 - \$5,000,000 each occurrence and annual aggregate
- Minimum limit required of subcontractors
 - \$1,000,000 each occurrence and annual aggregate
- Coverages
 - Excess of Commercial Automobile, Employer's and Commercial General Liability policies
 - Follow form
 - Drop down

Professional Liability

- Not Applicable

General Contract Requirements

Owner-Controlled Insurance Program (OCIP)

Insurance Provided by contractor of every tier – check with your agent!

- Insurers must be licensed to do business in TN
- Must meet minimum security requirements

Contractor's Pollution Liability (*under review*)

- Minimum limit required of prime
 - \$1,000,000 each occurrence and annual aggregate
- Minimum limit required of subcontractors
 - \$1,000,000 each occurrence and annual aggregate
- Coverages
 - Include on-site and off-site transportation
 - Waiver of subrogation or Owner, Design Professional, Program Manager
 - Additional Insured for Owner

Contractor's Equipment Insurance

- Evidence of coverage required
- Coverages
 - Waiver of subrogation or Owner, Design Professional, Program Manager
 - If uninsured, hold harmless Owner, Design Professional, Program Manager

General Contract Requirements

Airport Construction Safety Requirements – Section 00801 and 00500-Exhibit D

Wes Shelby
Willis Towers Watson

Aaron Hascher, CM & ACE
MSCAA - Safety Program Manager

APRIL 6, 2023

MSCAA 18-1413-01

DIVISION 0 – SECTION 00801

AIRPORT CONSTRUCTION SAFETY REQUIREMENTS

PART 1 GENERAL

1.01 SUMMARY

- A. This section contains the minimum level of safety requirements for construction projects at Memphis International Airport.
- B. Related work:
 - 1. Other contract documents affecting construction safety include, but are not limited to, the DIVISION 0 AND DIVISION 1 specifications.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.01 CONTRACTOR PERSONNEL SAFETY ORIENTATION

- A. The Contractor shall be responsible for briefing all construction personnel on the requirements contained in this section prior to their working in the construction area and at periodic intervals throughout the course of the contract. These briefings will be documented in writing.

3.02 SCHEDULING WORK

- A. See Specification section 01100, SEQUENCE OF CONSTRUCTION & LIQUIDATED DAMAGES.
- B. See General Provision Section 80, Paragraph 80-04, Limitation of Operations.

3.03 CONSTRUCTION SECURITY

- A. See Specification section 00802, AIRPORT SECURITY REQUIREMENTS.

3.04 LIMITATION ON CONSTRUCTION

- A. The limits of construction, material storage areas, equipment parking and other areas defined as available for the contractor's exclusive use during construction shall be identified and defined by the contractor prior to starting work on the project. Temporary barricades, flagging and flashing caution lights may be required at access points, taxiway crossings and pavement tie-ins. The type markings, barricades and flashing caution lights are designated on the construction plans and must be inspected and approved by the Airport Authority.
- B. The Contractor shall store all materials and park construction equipment, when not in use only in the areas designated on the plans or during the pre-construction conference.
- C. Stockpiling of dirt and construction materials shall be constrained in a manner preventing movement resulting from jet blast or wind in excess of 10 knots.
- D. Construction debris, waste, wrappings or loose material capable of causing damage to aircraft engines, propellers, or landing gear shall not be allowed on active aircraft movement areas. Material meeting this criteria shall be contained and removed immediately from the AOA.

ISSUED FOR BID

00801
Page 1

EXHIBIT D
TO
UNIT PRICE CONSTRUCTION CONTRACT
FOR
TAXIWAY ALPHA WEST RECONSTRUCTION - CONSTRUCTION

BY AND BETWEEN
THE MEMPHIS-SHELBY COUNTY AIRPORT AUTHORITY
AND
(CONTRACTOR NAME)

CONSTRUCTION SAFETY AND HEALTH GUIDELINES

Memphis-Shelby County Airport Authority

Construction Safety and Health Guidelines



| Revision | Date |
|----------|------------|
| 1 | 11/30/2012 |
| 2 | 05/02/2016 |
| 3 | 02/06/2017 |

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Contract: Contractor Name
Taxiway Alpha West Reconstruction - Construction
MSCAA Project No. 18-1413-01



General Contract Requirements

Safety

- Contractors shall develop their own written site-specific safety and health plans for the Memphis-Shelby County Airport Authority
- Your Safety and Health Plan shall, at a minimum, meet the requirements of 29CFR1926 – Federal OSHA Construction regulations
- Each Contractor is responsible for protecting the health and safety of its employees and the employees of each subcontractor and sub-subcontractor while ensuring they have a safe and healthful place to work.
- The site-specific safety and health program shall be submitted for approval within fifteen (15) days after the Notice to Proceed for approval to the Project Safety Manager
- Impact of claims will affect the contractor's own experience mod.
- Communications/ Memphis Airport Police are to be contacted in case of emergency: 901-922-8298

General Contract Requirements

April 6, 2023

MSCAA 18-1413-01

Airport Security Requirements – Section 00802

- Airport SIDA Badging Required for all construction personnel (prime and subs).
- Construction will be in the secure/AOA areas.
- Project Specific Security Requirements.
 - Project is within Air Operations Area (AOA) and will require drivers to have appropriate MSCAA driving privileges/driving permit.
 - Class 3 driving privileges required for movement area (i.e. ATCT controlled) driving.

DIVISION 0 – SECTION 00802

AIRPORT SECURITY REQUIREMENTS

PART 1 GENERAL

1.01 CONTRACTORS SECURITY AND VEHICLE PROCEDURES OVERVIEW

- A. This overview outlines procedures concerning Airport security requirements, vehicle operation, and maintenance requirements for contractors at Memphis International Airport or any airport owned and operated by the Memphis-Shelby County Airport Authority. The sponsor Memphis-Shelby County Airport Authority (Airport Authority), airline, tenant, or concessionaire at the Airport who has hired the contractor is responsible for ensuring the contractor understands and complies with all the rules and regulations. This is a consolidated synopsis of the contractor requirements from the Airport Security Program and the Airport Rules and Regulations.

1.02 DEFINITIONS

- A. **Aircraft** - shall mean any contrivance known or hereinafter invented, used or designed for navigation of or flight in the air.
- B. **Air Operations Area (AOA)** - that part of the Airport used or intended to be used for landing, taking off, surface maneuvering, loading, unloading, or servicing the aircraft.
- C. **Airport** - shall mean the Memphis International Airport and/or the General DeWitt Spain Airport and/or the Charles W. Baker Airport – where applicable.
- D. **Airport Restricted Area** - area of Memphis International Airport that is not intended for public uses or access. These are areas designated by the Airport Authority as restricted areas and clearly identified with signs designating those areas as “**RESTRICTED AREA**.” The restricted area also includes the AOA.
- E. **AOA Driver's Permit** - permit issued by the Airport Authority for operating unescorted motor vehicles on the AOA.
- F. **Construction Restricted Area** - any area, inside or outside of the Airport Restricted Area, which is fenced, or in some like manner defined by the Contractor. The Contractor is responsible for the security of the Construction Restricted Area.
- G. **Director** - shall mean the Director of Operations and Public Safety or his duly authorized representatives.
- H. **Job Site** - a predetermined geographic area with specific boundaries established by the Airport Authority.
- I. **Movement Area** - runways, taxiways, and other areas of the Airport used for taxiing, takeoff, and landing of aircraft, except loading ramps and parking areas.
- J. **Personal Escort** - remaining within sight of the individual under escort at all times while in the Airport restricted areas at a distance not to exceed 20 feet.
- K. **Public Area** - any area within Airport facilities open to the general public.
- L. **SIDA** - Security Identification Display Area.

ISSUED FOR BID

00802
Page 1

General Contract Requirements

Contractor's Project Schedule – Section 01310 and 01320

- The Contractor will be required to utilize an integrated construction project management software platform for coordination, meeting, organization, submittals, payment applications, project records, drawings specification reports, punch-list, and schedules throughout the duration of the project.
- Project Management software platform utilized for this project will be Procore.
- * MSCAA will provide seats for the Contractor.

| | |
|---|---|
| APRIL 6, 2023 | MSCAA 18-1413-01 |
| DIVISION 1 – SECTION 01310 | |
| PRECONSTRUCTION CONFERENCE & PROGRESS MEETINGS | |
| PART 1 PRECONSTRUCTION CONFERENCE | |
| 1.01 SUMMARY | |
| A. | To help clarify construction contract administration procedures, the Engineer or Owner will schedule a Preconstruction Conference prior to start of the Work, as described in this Section. |
| B. | Related Work: |
| 1. | Documents affecting work of this Section include, but are not necessarily limited to, Division 0 and Division 1 Specification Sections. |
| 1.02 AGENDA AND MEETING SUMMARIES | |
| A. | To the maximum extent practicable, advise the Engineer or Owner at least 24 hours in advance of the Conference as to items to be added to the agenda. |
| B. | The Engineer or Owner will compile summaries of the Conference, and will furnish copies of the summaries to the Contractor. The Contractor may make and distribute such other copies as he wishes. |
| 1.03 QUALITY ASSURANCE | |
| A. | For those persons designated by the Contractor, his subcontractors, and suppliers to attend the Pre-Construction Conference, provide required authority to commit the entities they represent to schedules and solutions agreed upon in the Conference. |
| 1.04 PRECONSTRUCTION CONFERENCE | |
| A. | The Conference will be held at a time and date established by the Engineer or Owner. If requested by the Engineer or Owner, additional conferences will be held. |
| B. | Attendance: |
| 1. | Insure attendance by authorized representatives of the Contractor and major Subcontractors. |
| 2. | The Engineer or Owner will advise other interested parties, including the Owner, and request their attendance. |
| C. | Minimum agenda: |
| 1. | Organizational arrangement of Contractor's forces and personnel and those of subcontractors, material suppliers, and the Engineer or Owner; |
| 2. | Channels and procedures for communications; |
| 3. | Construction schedule, including sequence of critical work; |
| 4. | Contract Documents, including distribution of required copies of Drawings and revisions; |
| 5. | Processing of Shop Drawings and other data submitted to the Engineer or Owner for |
| ISSUED FOR BID | 01310 Page 1 |

| | |
|----------------------------------|--|
| APRIL 6, 2023 | MSCAA 18-1413-01 |
| DIVISION 1- SECTION 01320 | |
| SCHEDULES AND REPORTS | |
| PART 1 GENERAL | |
| 1.01 SUMMARY | |
| A. | The work under this Contract shall be planned, scheduled and reported using computerized precedence diagram format of the Critical Path Method in calendar days, unless otherwise specifically provided in the Contract Documents. The Detailed Construction Schedule shall be developed by using the latest revision of Microsoft Project, or approved equal computer software. |
| B. | Related Work: |
| 1. | Documents affecting work of this Section include, but are not necessarily limited to, other Sections of these Specifications. |
| 2. | Other provisions concerning Schedules and Reports are stated to Specification Sections: 01100 – Summary of Work, Sequence of Construction & Liquidated Damages General Provision Section 60 - Control of Materials General Provision Section 90 - Measurement and Payment |
| PART 2 PRODUCTS | |
| Not Used. | |
| PART 3 EXECUTION | |
| 3.01 GENERAL REQUIREMENTS | |
| A. | The Detailed Construction Schedule shall be developed by using the latest revision of Microsoft Project, or approved equal computer software that is compatible with Owner's scheduling software. |
| B. | The primary objectives of the requirements of this section are: |
| 1. | to insure adequate planning and execution of the Work by Contractor; |
| 2. | to assist Owner and Engineer in evaluating the progress of the Work; |
| 3. | to provide a mechanism or tool for use by the Owner, Engineer and Contractor in determining and monitoring any actions of the Contractor which may be required in order to comply with the requirements of the Contract relating to the timely completion of the various portions of the Work |
| C. | The Detailed Construction Schedule, defined in Paragraph 3.04, shall represent the Contractor's commitment and intended plan for completion of the Work in compliance with the Contract. The Contractor will not: |
| 1. | Misrepresent to the Owner its planning, scheduling, and coordination of the work; |
| 2. | Utilize schedules different from those provided to the Owner and Engineer for the direction, execution and coordination of the work; |
| 3. | Utilize schedules which are not feasible or realistic; or |
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General Contract Requirements

APRIL 6, 2023

MSCAA 18-1413-01

DIVISION 1 – SECTION 01741

CLEANING

PART 1 GENERAL

1.01 SUMMARY

- A. Throughout the construction period, maintain the site in a standard of cleanliness including mowing of grass as described in this Section. All demolition or construction debris (FOD) shall be confined within the work site at all times.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, Division 0, Division 1 and other Sections of these Specifications.
 - 2. In addition to the standards described in this Section, comply with requirements for cleaning as described in pertinent other Sections of these Specifications.
 - 3. In addition to the standards described in this Section, comply with pertinent requirements of governmental agencies having jurisdiction.

1.02 QUALITY ASSURANCE

- A. Conduct a daily inspection, and more often if necessary, to verify that cleanliness requirements are being met.
- B. In addition to the standards described in this Section, comply with pertinent requirements of governmental agencies having jurisdiction.

PART 2 PRODUCTS

2.01 CLEANING MATERIALS AND EQUIPMENT

- A. Provide required personnel, equipment, and materials needed to maintain the specified standard of cleanliness.
- B. In addition to the standards described in this Section, comply with pertinent requirements of governmental agencies having jurisdiction.

2.02 COMPATIBILITY

- A. Use only cleaning materials and equipment compatible with the surface being cleaned and as recommended by the manufacturer of the material.

PART 3 EXECUTION

3.01 PROGRESS CLEANING

- A. General:
 - 1. Retain stored items in an orderly arrangement allowing maximum access, not impeding traffic or drainage, and providing required protection of materials.

Environmental Considerations

Lori Morris, MSCAA – Manager of Environmental Services

- Cleaning (Section 01741)
- Dust
- Debris

NPDES Storm Water Construction Permit

- Sign the NOI – contractor
- Read the SWPPP – provided by Airport Authority
- 30-day Assessment – provided by Designer
- Bi-Weekly Inspections – contractor
 - Corrective action within 7 days or before next rain event

Project Scope, Phasing, and Technical Review



Project Scope of Work

Summary of the Work, Sequence of Construction & Liquidated Damages – Section 01100

Schedule:

Four Hundred Seventy-Five(475) calendar days for substantial completion) + Sixty (60) days (closeout/final completion)

Liquidated Damages:

Table 1

| <i>Milestone</i> | <i>Completion Date</i> | <i>Liquidated Damages</i> |
|---|------------------------|--|
| Substantial Completion | 475 days | \$3,000 per Day or any portion thereof |
| Phase 1A | 60 days | \$5,000 per Day or any portion thereof |
| Phase 2B | 60 days | \$5,000 per Day or any portion thereof |
| All Other Phases | See Phasing Plans | \$2,000 per Day or any portion thereof |
| Final Completion and Demobilization Phase | 60 days | \$1,000 per Day or any portion thereof |

APRIL 6, 2023 MSCAA 18-1413-01

DIVISION 1 – SECTION 01100

SUMMARY OF THE WORK, SEQUENCE OF CONSTRUCTION & LIQUIDATED DAMAGES

PART 1 GENERAL

Related Work:

1. Documents affecting work of this Section include, but are not necessarily limited to Division 0 and Division 1 and other Sections of these Specifications.

1.01 SUMMARY

SUMMARY OF WORK

A. The "Project," of which the "Work" of this Contract is a part, is titled Taxiway Alpha West Reconstruction - Construction MSCAA Project 18-1413-01.

B. The "Work" of this Contract is defined in the Contract Documents to include, but not limited to, demolition of existing pavement and associated infrastructure, grading and drainage, underdrains, Portland cement concrete pavement including subgrade preparation, cement treated base, soil cement subbase, joint sealing, bituminous pavement, airfield signage and markings, airfield electrical lighting and underground ducts, earthwork, erosion control, sodding, and other efforts normally required for taxiway reconstruction.

C. Airport Improvement Program Project: The work in this contract is included in an Airport Improvement Program Project (which project is subject to receipt of confirmation of federal funds) which is being undertaken and accomplished by the Owner in accordance with the terms and conditions of an agreement between the Memphis-Shelby County Airport Authority and the United States, under the provision of Title 49, United States Code, herein called Title 49, USC, pursuant to which the United States Government has agreed to pay a certain percentage of the costs of the project that are determined to be allowable project costs under that Act. The United States Government is not a party to this contract and no reference in this contract to the FAA or any representative thereof, or to any rights granted to the FAA or any representative thereof, or the United States Government, by the contract, makes the United States Government a party to this contract.

E. FAA Inspection and Review: The Contractor shall allow any authorized representative of the FAA to inspect and review any work or materials used in the performance of this contract.

F. Subcontracts: The Contractor shall insert in each of his subcontracts the provisions contained in paragraphs C. and D., of this section and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts which they may enter into, together with a clause requiring this insertion in any further subcontracts that may in turn be made.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

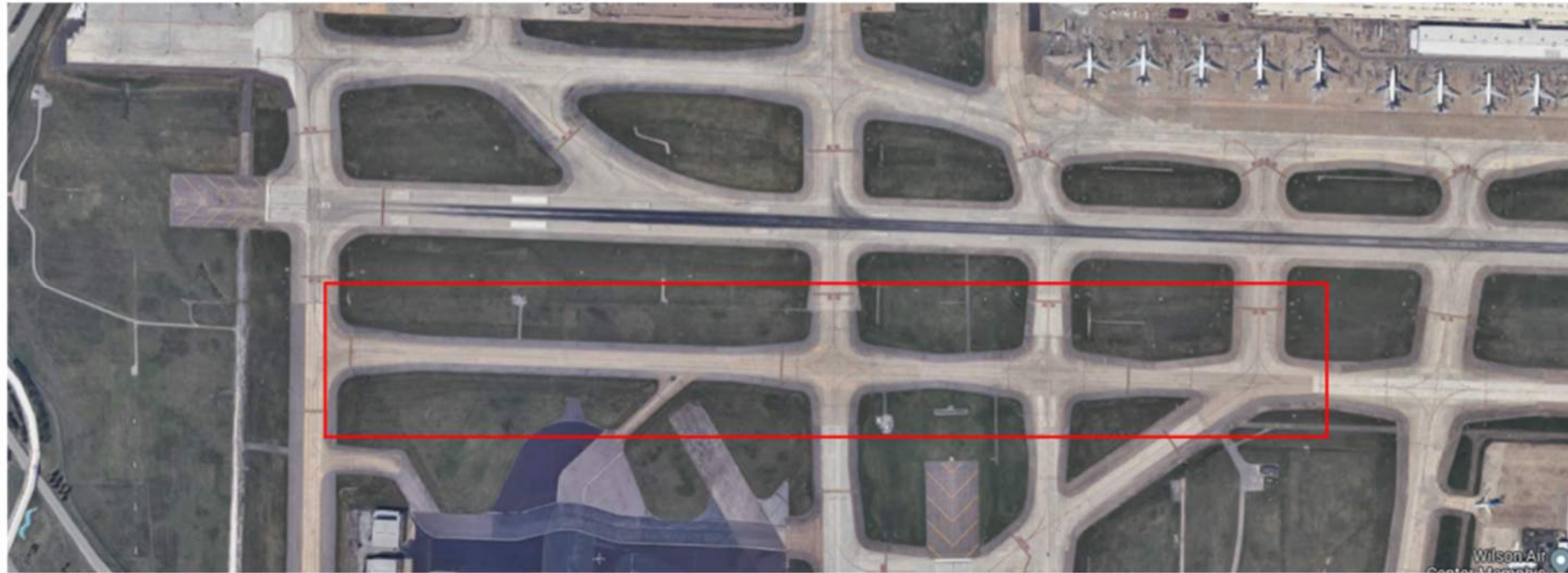
3.01 PROJECT PHASING AND COMPLETION

A. This is a fixed-duration Contract required to be substantially completed within 475 calendar days from the Notice to Proceed ("NTP") date. Furthermore, each phase has a required calendar day duration as

ISSUED FOR BID 01100
Page 1

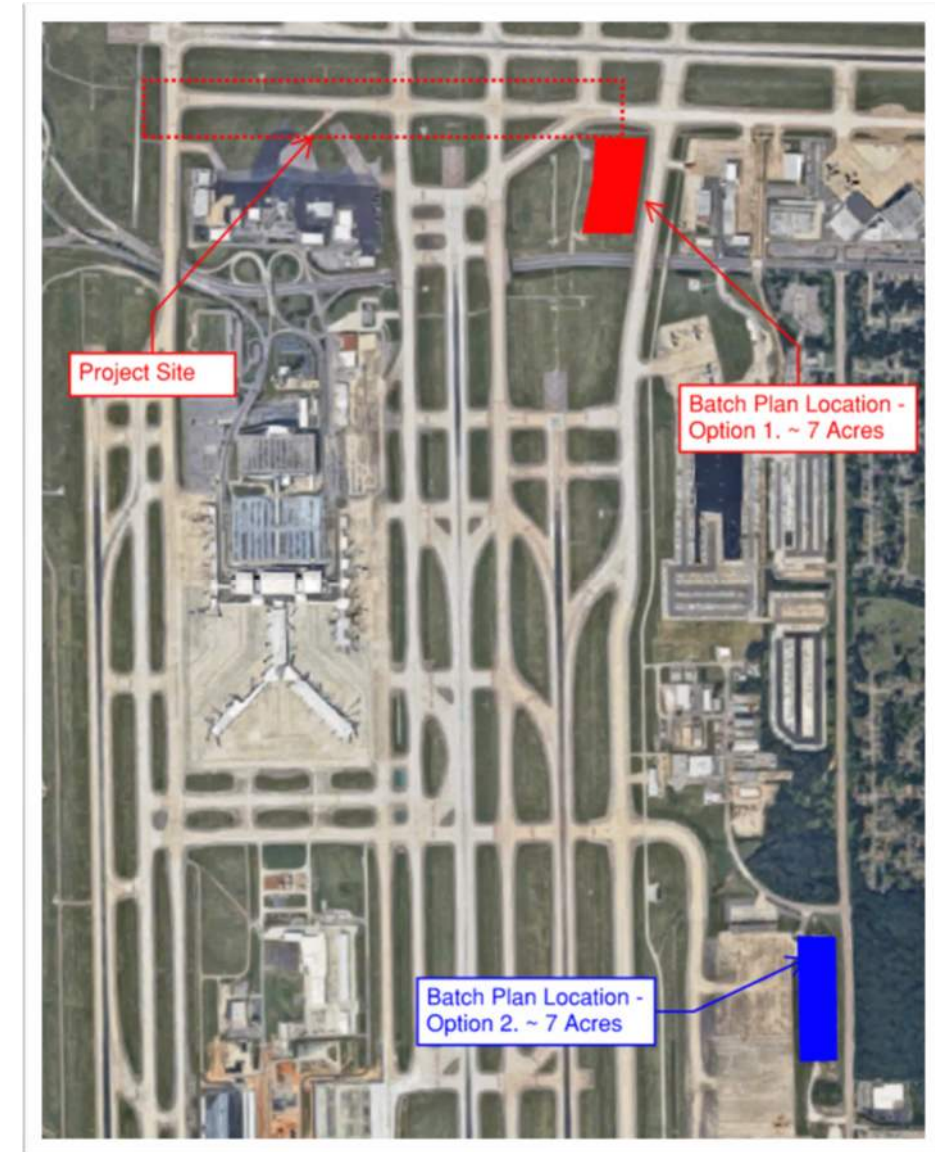
Project Scope of Work

- General scope of work is full-depth reconstruction of approximately 4,125 linear feet of Taxiway Alpha at Memphis International Airport. The work includes, but not limited to, demolition of existing pavement and associated infrastructure, grading and drainage, underdrains, Portland cement concrete pavement including subgrade preparation, cement treated base, soil cement subbase, joint sealing, bituminous pavement, airfield signage and markings, airfield electrical lighting and underground ducts, earthwork, erosion control, sodding, and other efforts normally required for taxiway reconstruction.
- Project will be phased to minimize disruptions to aircraft operations.



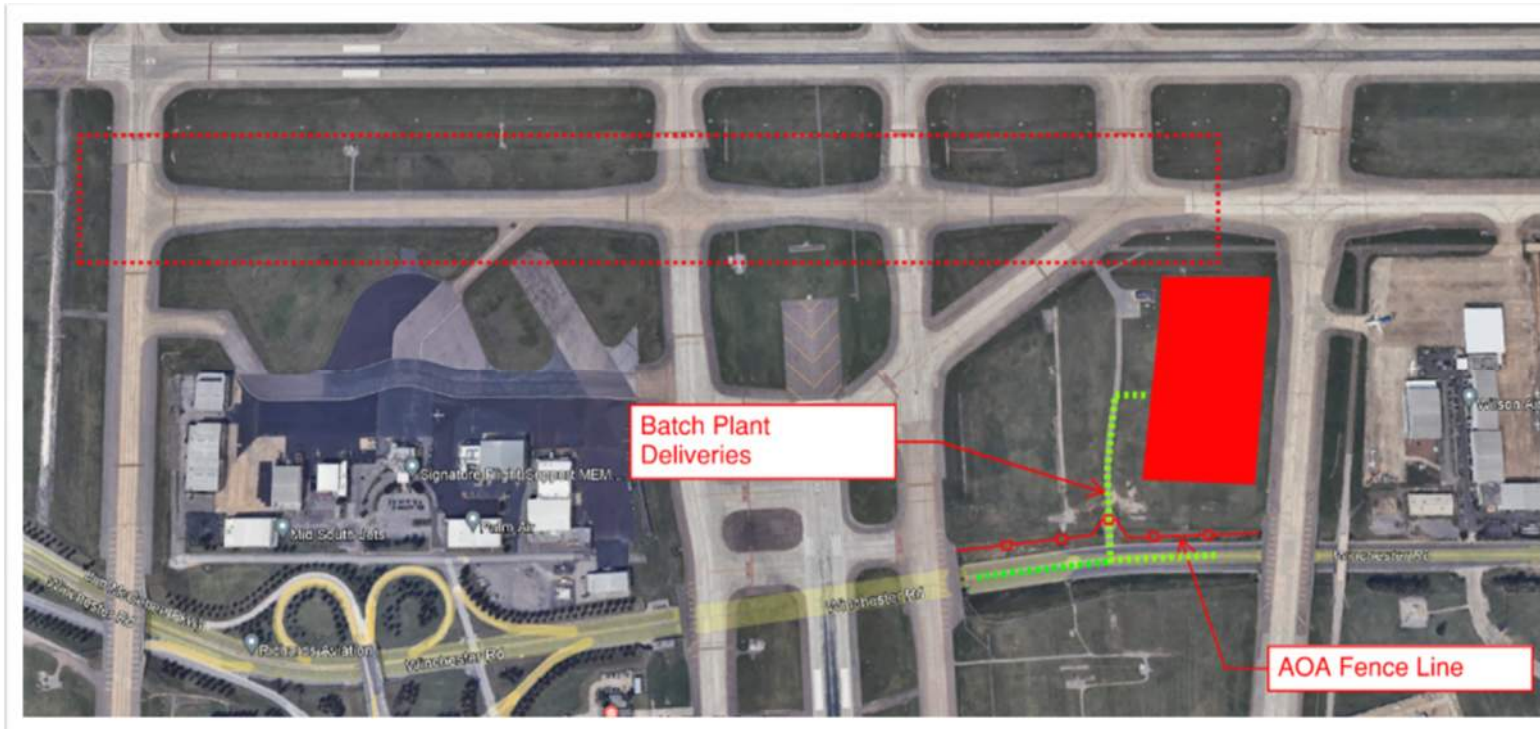
Project Scope of Work- Batch Plant

- We are currently studying two options for batch plant locations. At minimum, batch plant location “Option 2” will be made available. Batch plant location “Option 1” is also expected to be made available.
- Final direction with guidance on availability of both sites will be issued via Addendum.



Project Scope of Work- Batch Plant

- Option 1 provides closer location to project site.
- Contractor may have opportunity to “carve-out” site with fencing and make non-AOA.
- Access from Winchester, grade is approximately 12%
- Final direction with guidance on availability and restrictions on height will be issued via Addendum.

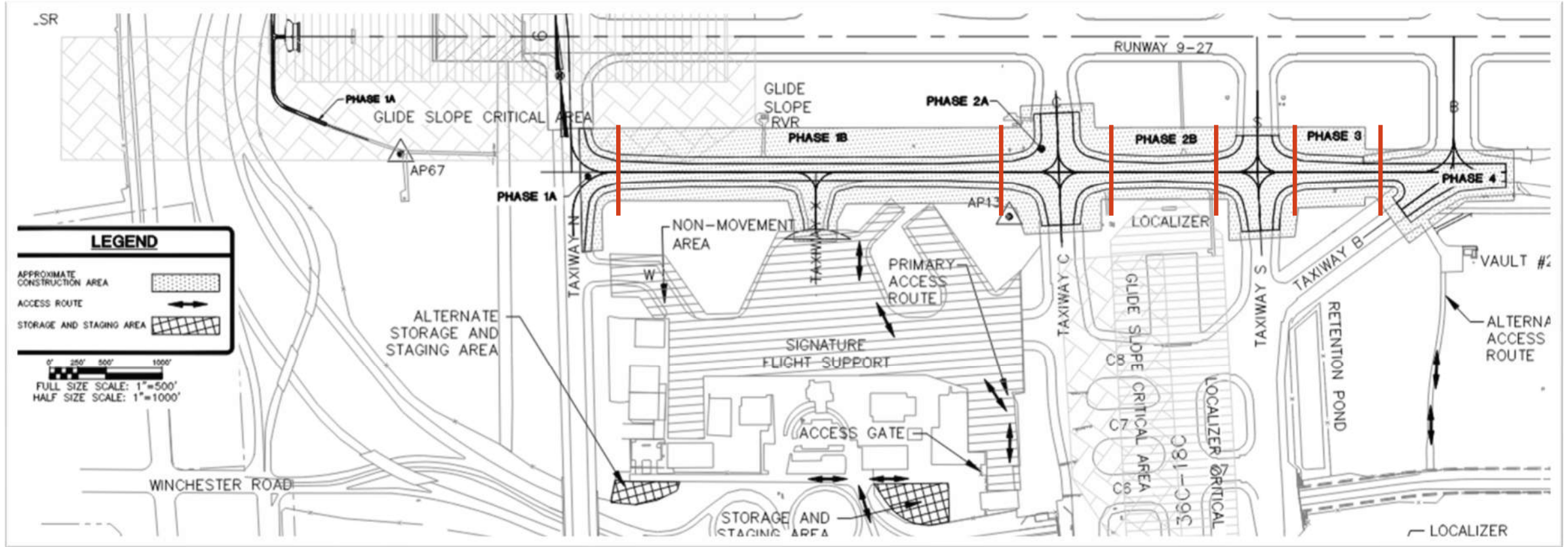


Project Scope of Work- Batch Plant

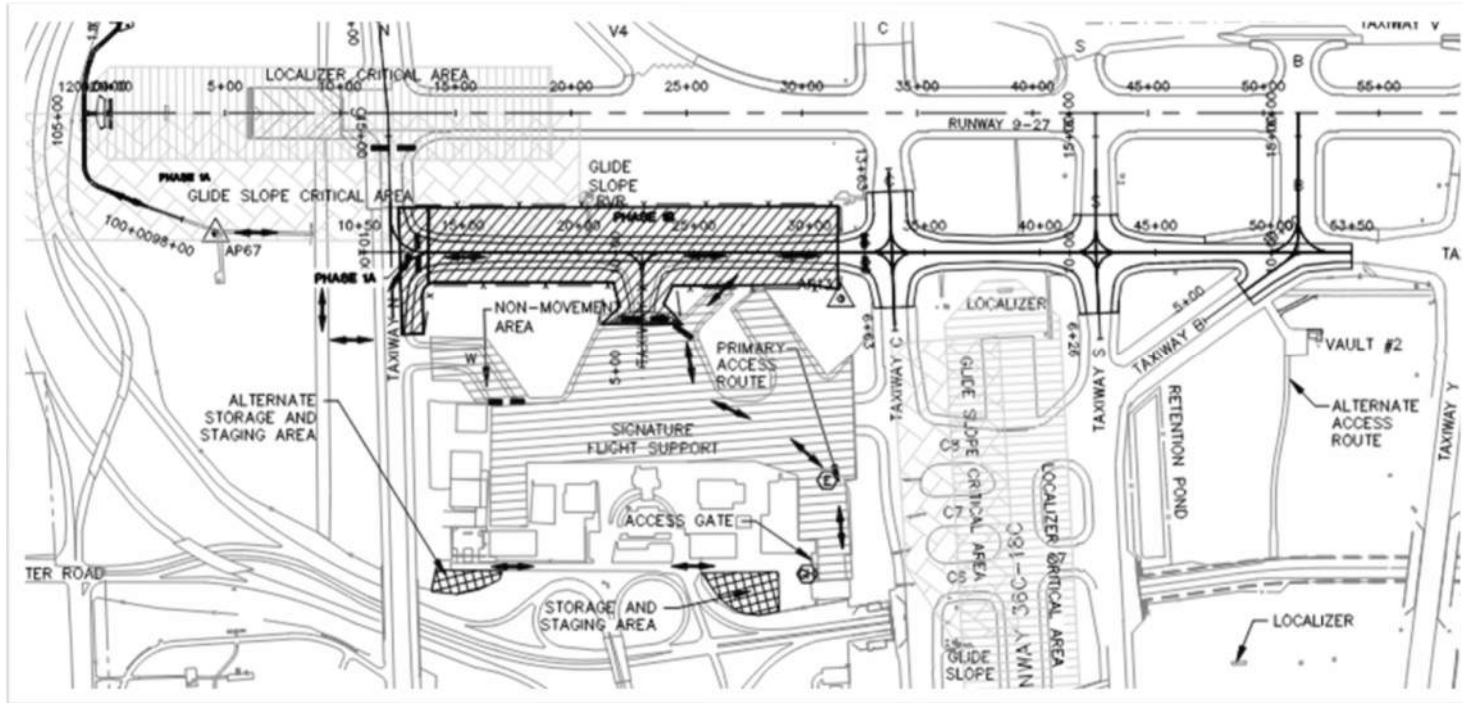


- Option 2 provides public access for material deliveries to batch plant.
- Access from Swinnea Rd
- Final direction with guidance on availability and restrictions on height will be issued via Addendum.

Project Phasing



Project Phasing – Phase 1

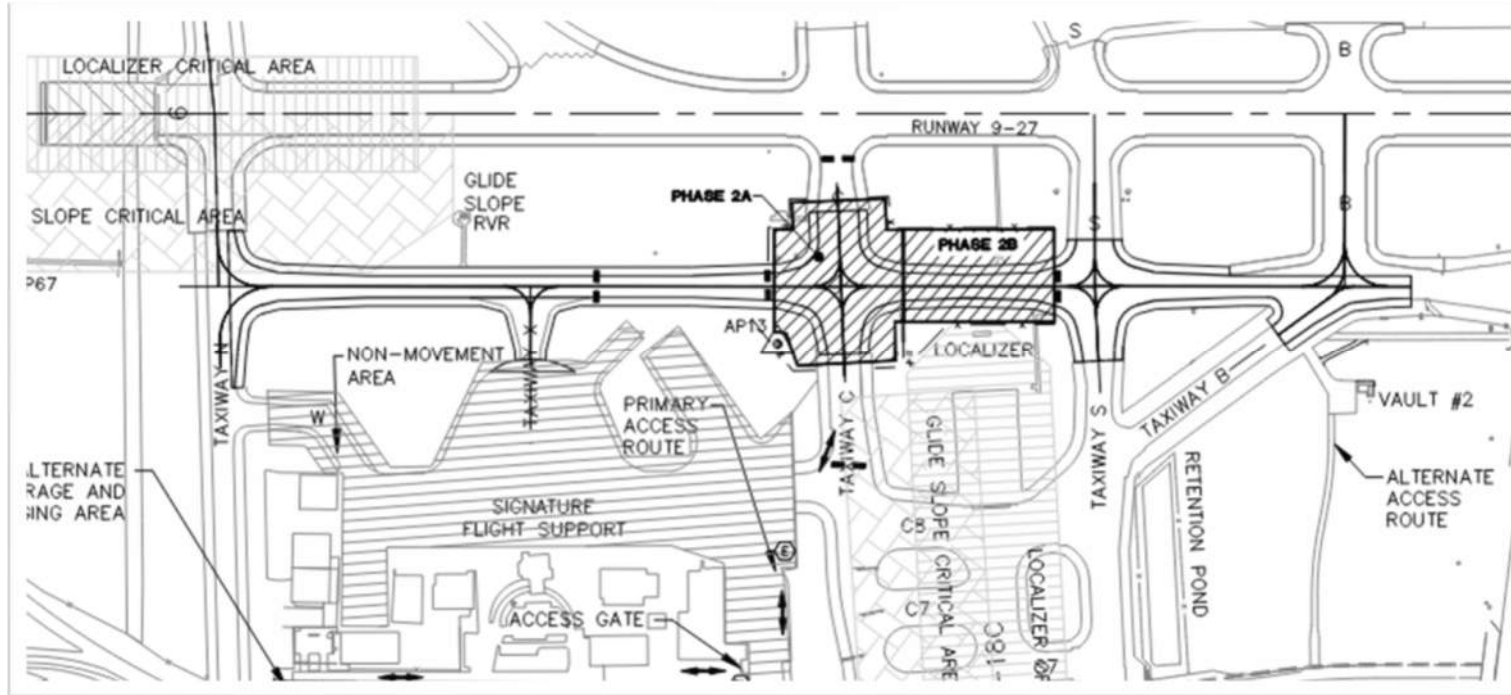


PHASE DURATIONS

PHASE 1A – NTP TO COMPLETION 60 CALENDAR DAYS.
WORK HOURS TO BE 0700 hrs. – 1400 hrs. TUESDAY THRU
SUNDAY AND UNRESTRICTED ON MONDAYS.

PHASE 1B – NTP TO COMPLETION 120 CALENDAR DAYS CAN BE
CONCURRENT WITH PHASE 1A DURATION BUT ONLY IF
CONSTRUCTION DOES NOT IMPACT THE COMPLETION OF PHASE 1A.

Project Phasing – Phase 2

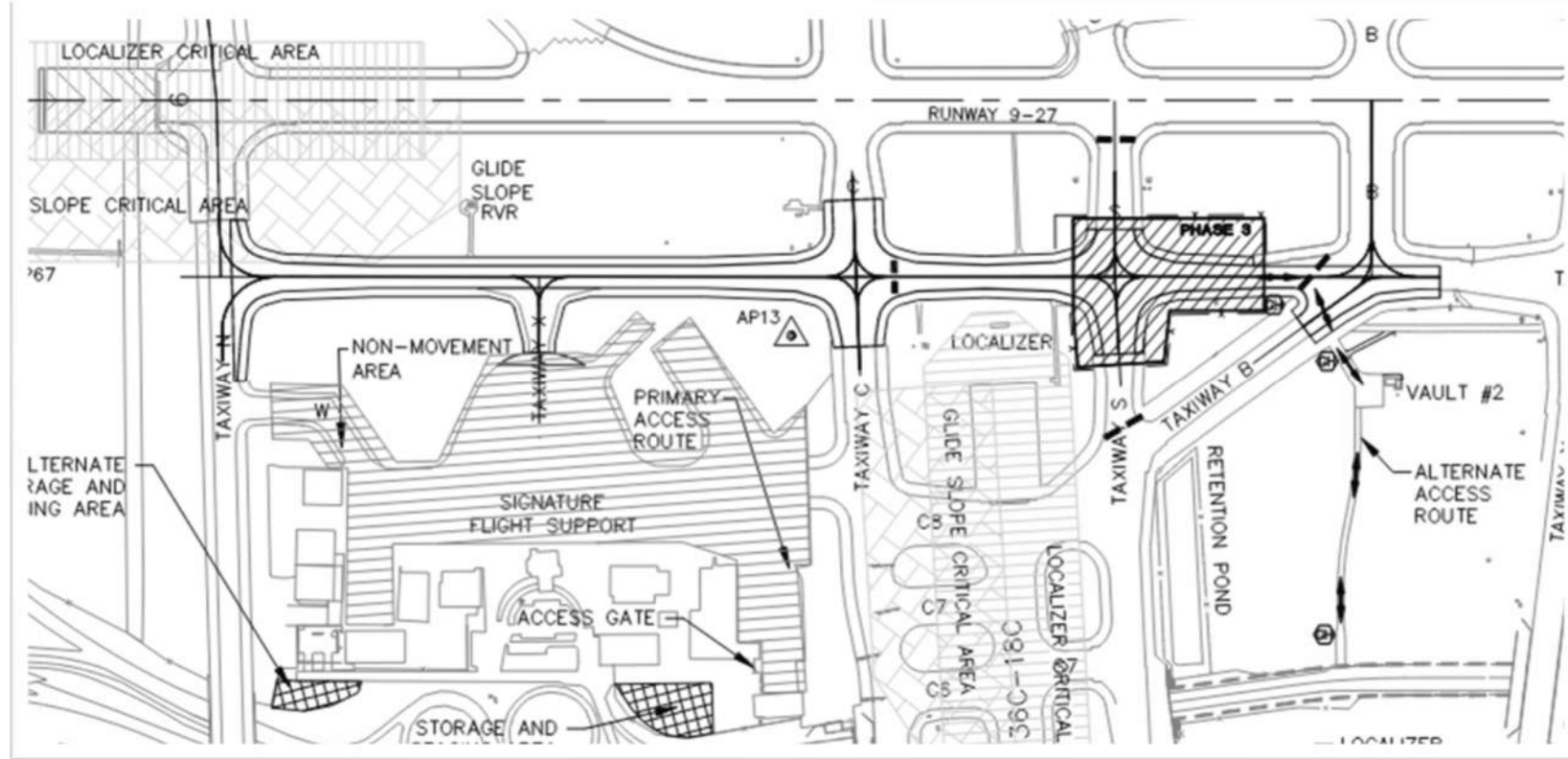


PHASE DURATIONS

PHASE 2A - NTP TO COMPLETION 90 CALENDAR DAYS
CONCURRENT WITH PHASE 2B

PHASE 2B - NTP TO COMPLETION 60 CALENDAR DAYS.
WORK HOURS TO BE 0700 hrs. - 1400 hrs. TUESDAY THRU
SUNDAY AND UNRESTRICTED ON MONDAYS.

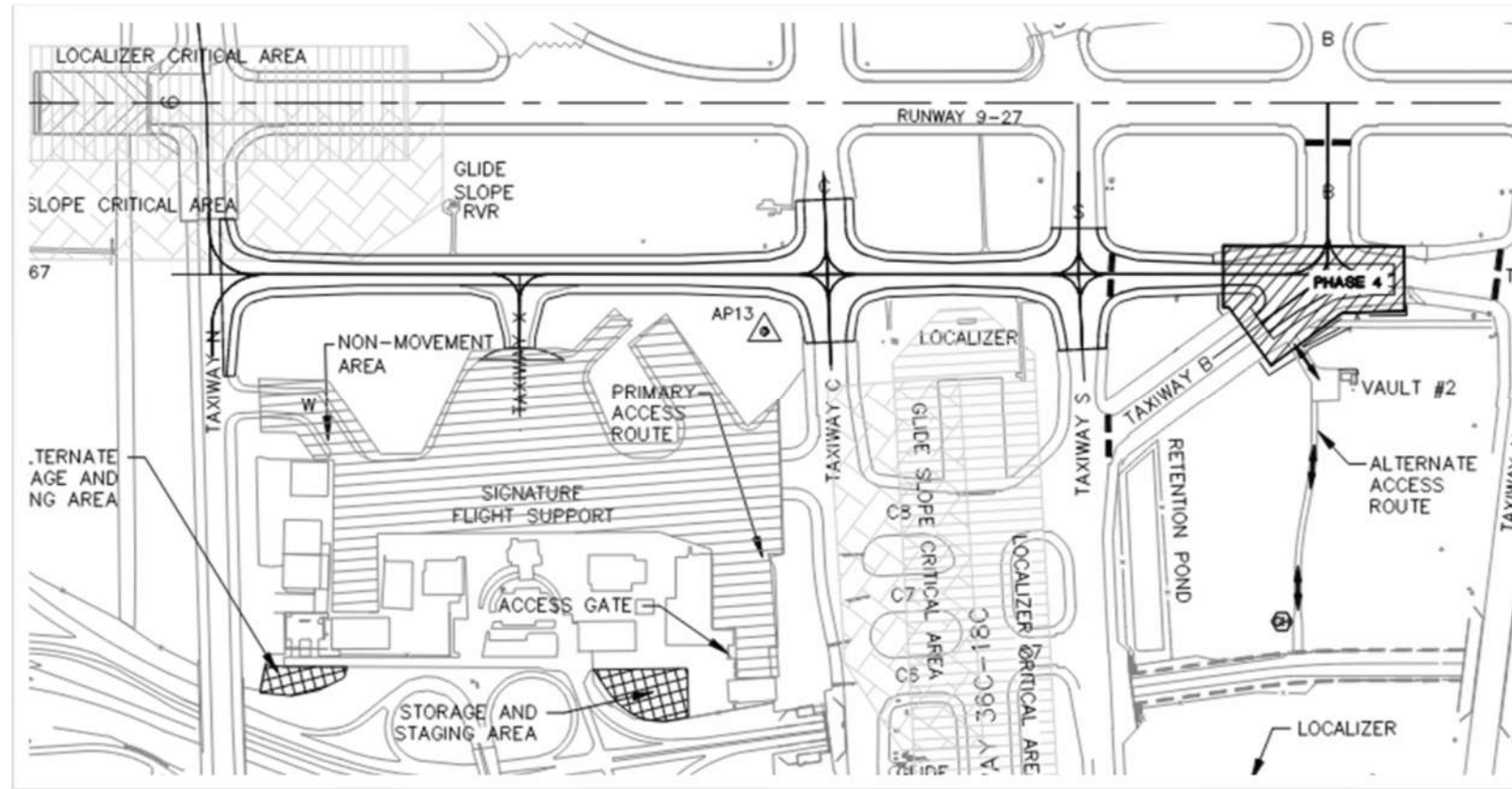
Project Phasing – Phase 3



PHASE DURATION

PHASE 3 - NTP TO COMPLETION 90 CALENDAR DAYS

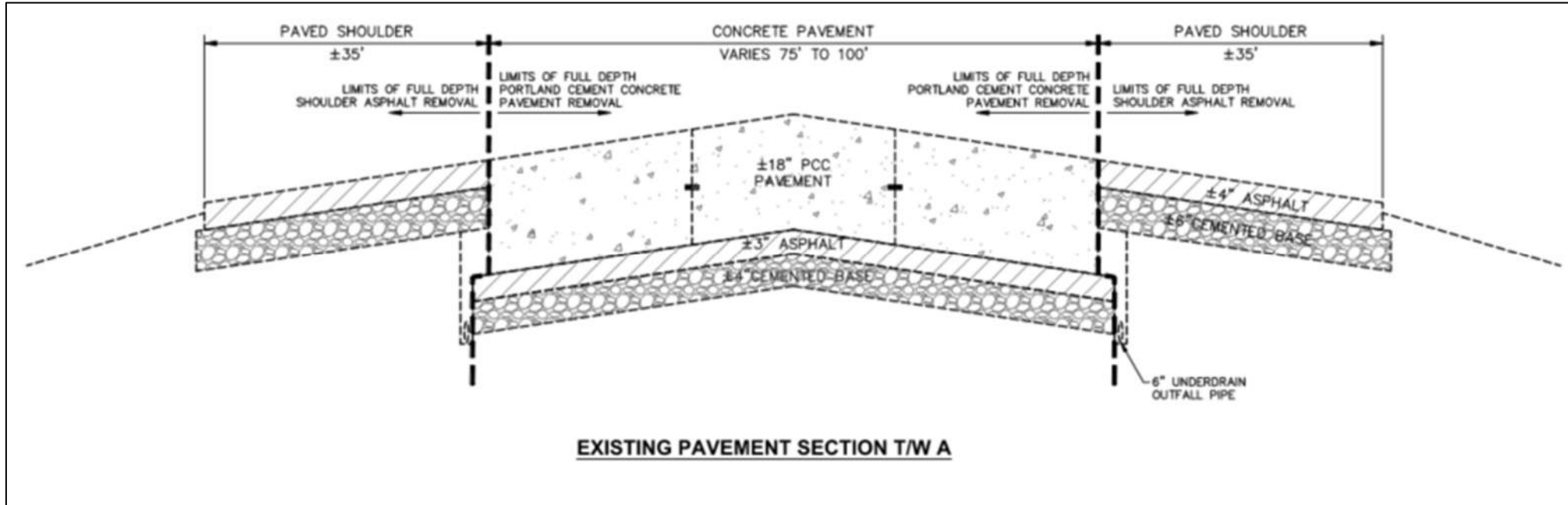
Project Phasing – Phase 4



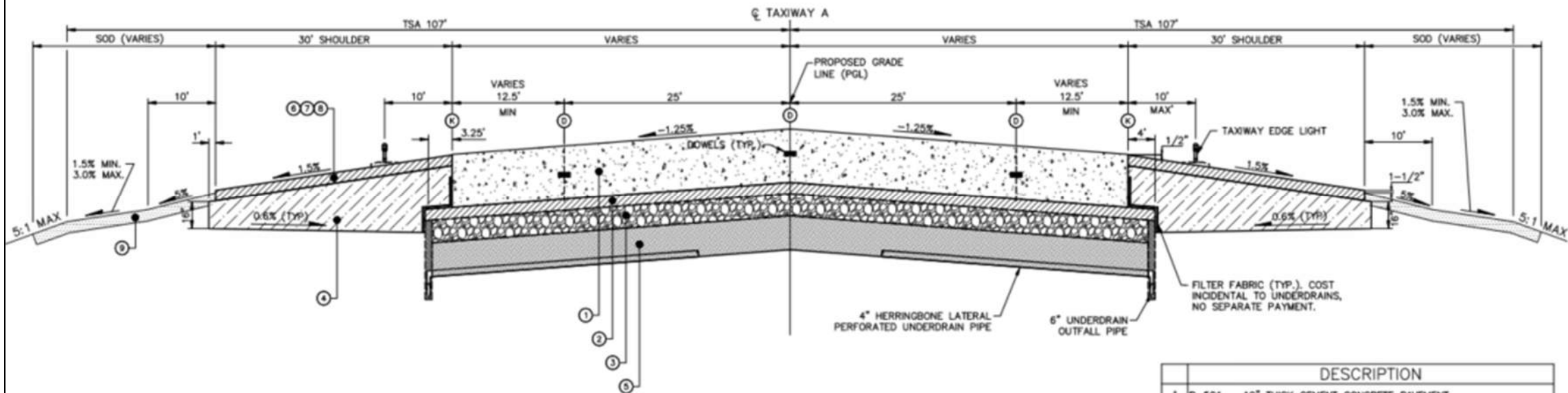
PHASE DURATION

PHASE 4 - NTP TO COMPLETION 60 CALENDAR DAYS

Scope of Work - Demo



Scope of Work – New Pavement

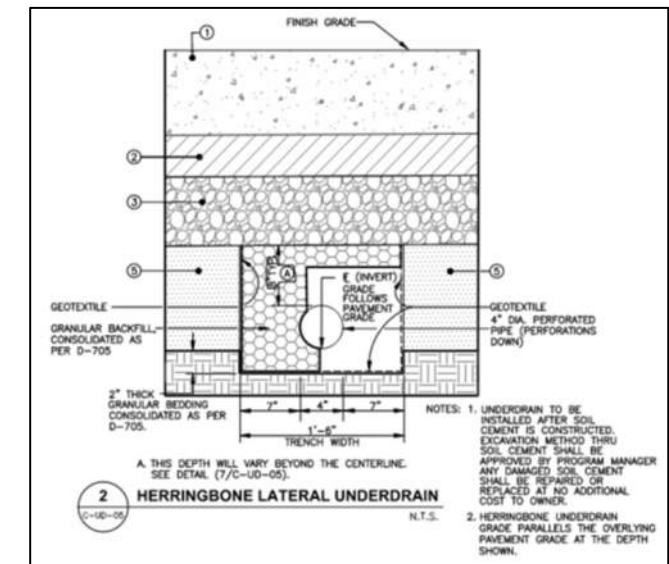
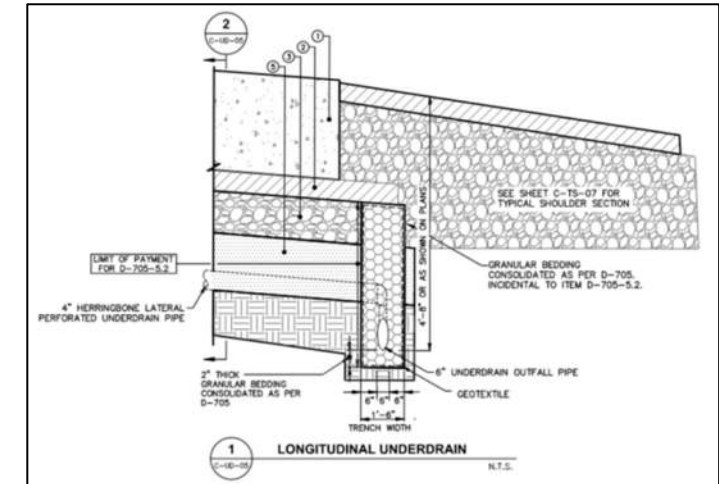
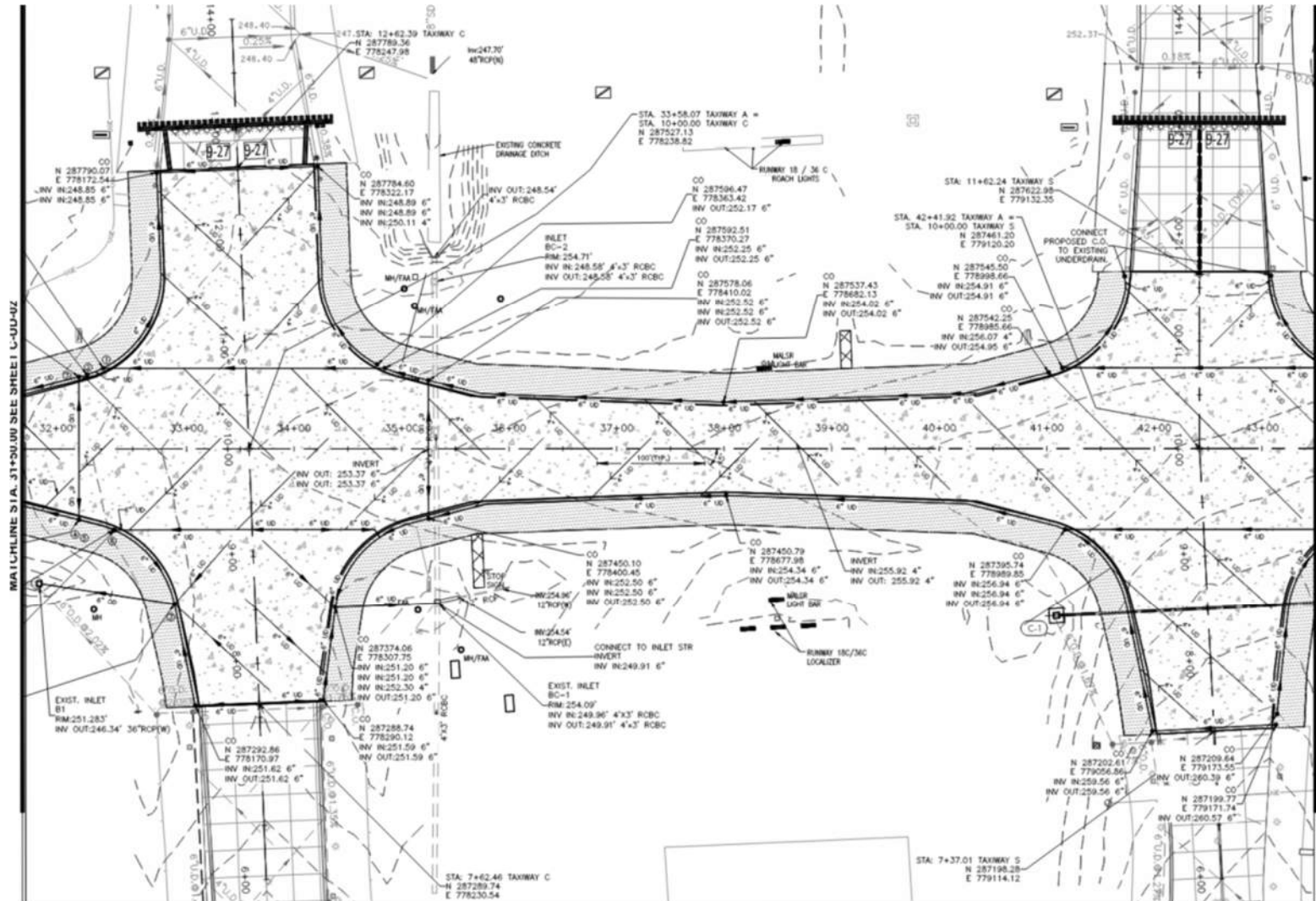


TYPICAL PAVEMENT SECTION T/W A

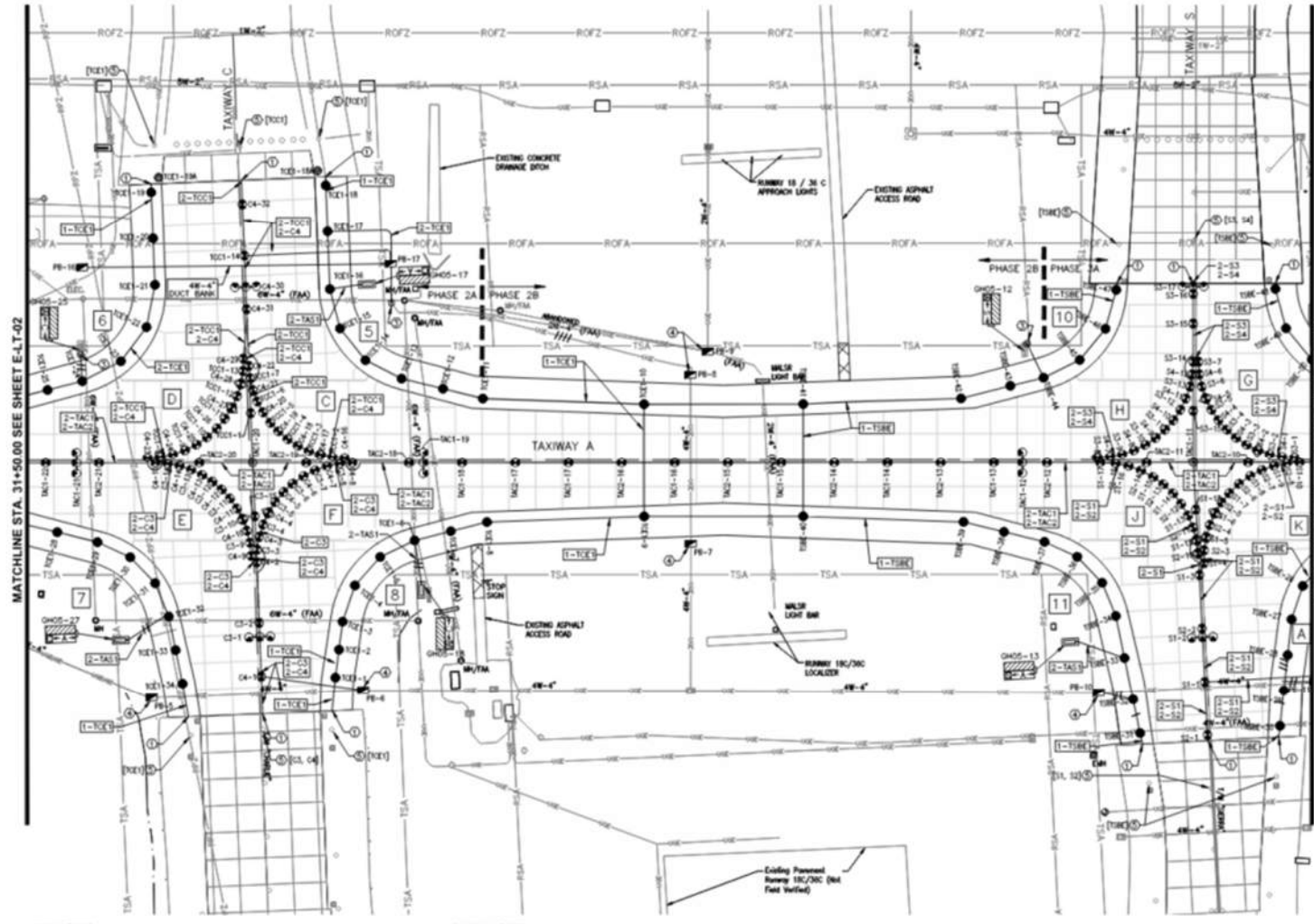
STA. 13+75 TO STA. 18+25
STA. 27+25 TO STA. 30+75
STA. 35+50 TO STA. 37+25

| | DESCRIPTION |
|---|---|
| 1 | P-501 - 19" THICK CEMENT CONCRETE PAVEMENT |
| 2 | P-407 - 4" THICK POROUS ASPHALT BASE COURSE WITH WHITE CURE COMPOUND |
| 3 | P-304 - 8" THICK CEMENT TREATED AGGREGATE BASE COURSE WITH BITUMINOUS CURING SEAL - PLACE IN ONE LIFT |
| 4 | P-209 - VARIABLE THICKNESS (16" MIN.) AGGREGATE BASE COURSE |
| 5 | P-220 - 12" THICK CEMENT TREATED SUBGRADE PLACED IN TWO (2) 6" LIFTS |
| 6 | P-403 - 2 1/2" THICK BITUMINOUS SURFACE COURSE, 2 1/2" THICK BITUMINOUS BASE COURSE |
| 7 | P-603 - BITUMINOUS TACK COAT, ESTIMATED AT 0.02-0.05 GAL/SY |
| 8 | P-602 - BITUMINOUS PRIME COAT, ESTIMATED AT 0.15-0.30 GAL/SY |
| 9 | T-904 - TURF TREATMENT CONSISTING OF ON-SITE TOP SOILING (4") |
| | T-905 - SODDING |

Scope of Work – Underdrains



Scope of Work – Electrical



| AIRFIELD LIGHT FIXTURE SCHEDULE | | | | | | | | |
|---------------------------------|--------------|-------|-----------------------|-------------|--------|---------|----------------------------------|--------------------|
| SYMBOL | FIXTURE TYPE | STYLE | FIXTURE USE | DESCRIPTION | COLOR | LAMP(S) | ISOLATION TRANSFORMER WATTS/AMPS | REFERENCE PAY ITEM |
| ● | L-852T | 3 | T/W EDGE LIGHT LED | SEMIFLUSH | BLUE | LED | 1-25/6.6 | L-125-5.6 |
| ⊕/⊗ | L-852C | 3 | T/W ⊕ BIDIRECTIONAL | SEMIFLUSH | */* | LED | 1-25/6.6 | L-125-5.1 |
| ⊕ | L-852D | 3 | T/W ⊕ BIDIRECTIONAL | SEMIFLUSH | */* | LED | 1-45/6.6 | L-125-5.3 |
| ⊙ | L-852D | 3 | T/W ⊙ UNIDIRECTIONAL | SEMIFLUSH | GREEN | LED | | L-125-5.4 |
| ⊕/⊙ | L-852C | 3 | T/W ⊕ CLEARANCE BAR | SEMIFLUSH | YELLOW | LED | 1-15/6.6 | L-125-5.2 |
| ⊗ | L-852F | 1 | T/W ⊙ OMNIDIRECTIONAL | SEMIFLUSH | YELLOW | | | L-125-5.5 |

* SEE LAYOUT SHEETS FOR FIXTURE COLOR

* = FILTER COLOR, GREEN UNLESS OTHERWISE SPECIFIED ON LIGHTING COORDINATE OR LAYOUT SHEETS

Q&A Session



Q&A Session

All questions must be submitted to MSCAA-QA.Parsons@parsons.com .
MSCAA will not warranty answers to questions outside this Q/A process.

Question deadline: To guarantee a response, questions must be submitted by **5:00pm local time, Friday, April 28, 2023.**



TAKE OFF WITH US

