

ADDENDUM No. 1
Terminal Solar PV Project
November 17, 2022

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 7, 2022. **Acknowledge receipt of this addendum in the space provided on the bid form**, failure to do so may subject the Bidder to disqualification.

General Items

1. Contractor Questions

Questions and answers received from the pre-bid meeting and thru e-mail or telephone correspondence are included with this Addendum.

2. Pre-Bid Presentation

The Pre-Bid meeting presentation and attendee list is attached to this addendum.

Specifications

3. Table of Contents

a. **REVISE** Attachment 2 – City of Dubuque Insurance Schedule G to “Attachment 2 – Airport Insurance Schedule F”

4. Section 1 Notices, Instructions to Bidders

a. Instructions to Bidders, Article 24.01: **REVISE** DBE contract goal from 0.65 percent to 0.94 percent.

5. Section 2 – Bid Forms

a. Proposal Form, Acknowledgements By Bidder J. **REVISE** Disadvantage Business Enterprise goal from 0.65% to 0.94%.

b. DBE Form, Utilization Statement is **REISSUED** with this addendum.

6. Section 5 Supplementary Provisions

a. **DELETE** Attachment 2 – City of Dubuque Insurance Schedule G and **REPLACE** with Attachment 2 – Airport Insurance Schedule F issued with this addendum.

b. **REVISE** Supplementary Provision C – Local Provisions, Item 2 Insurance Requirements to: “See Airport Insurance Schedule F.”

Specification Attachments

DBE Form – Utilization Statement

Attachment 2 – Airport Insurance Schedule F

Supplemental Drawings

None.

END OF ADDENDUM



RESPONSES TO QUESTIONS NO. 1

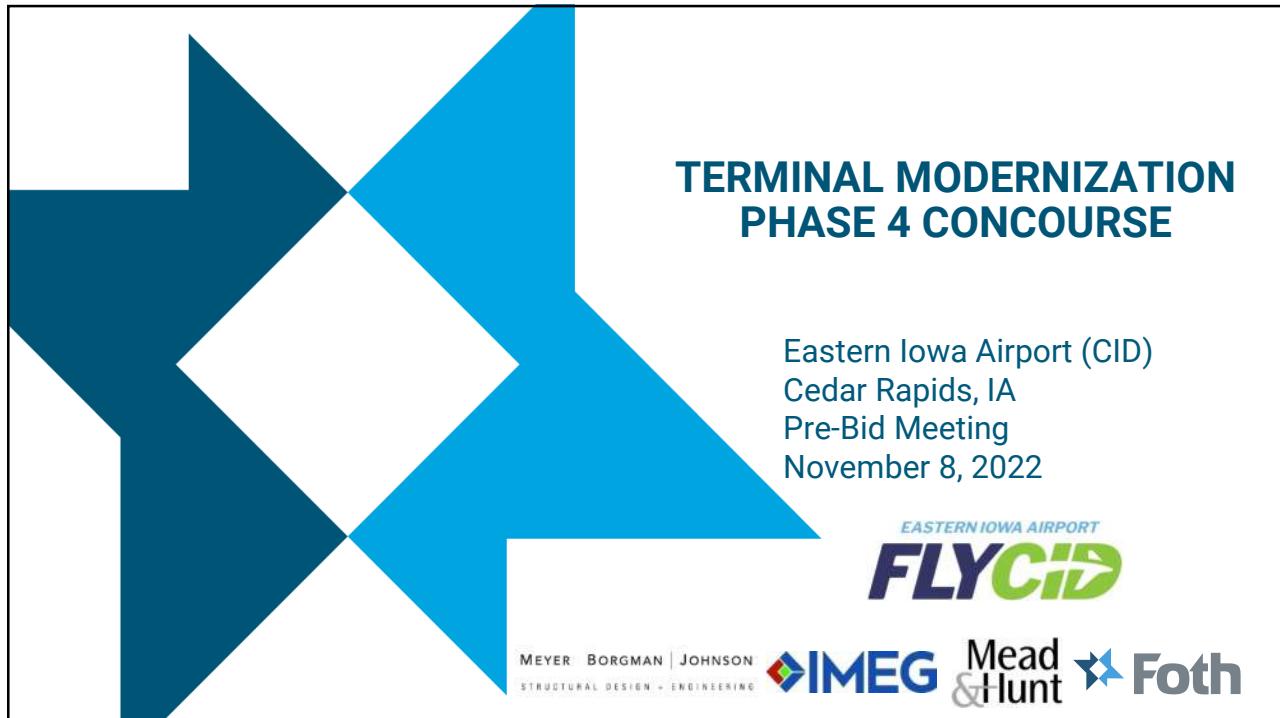
Project Name:	Terminal Solar PV Project
Project Number:	22D022.05
AIP Project Number:	3-19-0028-077
Date of Issuance:	November 17, 2022

The following information is for clarification purposes only, and does not materially affect the requirements listed in the contract documents. Modifications to requirements will be formally updated by addenda.

RESPONSES TO QUESTIONS			
	PLAN / SPEC ITEM	CONTRACTOR QUESTION	RESPONSE
1	263100	Prebid - Is the 300kW size AC or DC?	300 kW is the required DC size in the performance specification (26 31 00 1.1 A 1.).
2	General	Prebid - Does selection of the Alternate Bid 1 alter the construction schedule.	No.
3	General	Prebid - Who is responsible for submitting the glare analysis?	A glare study has been submitted to the FAA based on the parameters outlined in the documents. Alternates to these would require the contractor to submit an updated glare study.
4	C001	Prebid - Can you please clarify the requirements for the granular surfacing under the array?	Under the array and a 3-foot band around the array requires the contractor to excavate to a depth of 8" to then place engineering fabric and the granular material
5	Proposal Form	Prebid - Can bidders bid on only the solar array and not the battery storage system?	No. Bidders are required to bid on both the Base Bid and Alternate Bid 1 (all blanks on the bid form must be filled out for the bid to be considered responsive).
6	General	Prebid - Can pictures of the site be provided?	No. Bidders are encouraged to make a visit to the airport to review the site. The site of the array is very sloped approximately 25% (roughly 14-degrees). Site visits can be coordinated with the airport as noted in the documents.
7	General	Prebid - Who is the utility an interconnection agreement will be developed with?	Maquoketa Valley Cooperative.
8	263100	Prebid - Is there a capacity factor on the solar / production target?	300 kW is the required DC size in the performance specification (26 31 00 1.1 A 1.). The contractor may propose voluntary alternates as part of their bid (26 31 00 1.1 A 3.), but a bit of 300 kW DC is required for price comparison to other bids.
9	General	Prebid - Is the Bid Amount Gross or Net? Pertaining to the Inflation Reduction Act.	Bidders to provide Gross amount and do not account for any potential credits to the Owner as it is not known at this time if the Inflation Reduction Act applies to public entities. Other incentives (utility) are not to be factored into the contractors bid.
10	Buy American	Prebid - Is preference given to a bidder who certifies 100% Buy American products?	No. Low bid will be awarded the project, as long as the low bidder is responsive and can meet the Buy American waiver criteria.

11	263300	<p>The size of the battery they are asking for is a 300kW / 200 kWh BESS. That's a pretty unusual sizing. Most standard commercial BESS offerings are in the 2 hour to 4 hour variety (where "hours" is simply a specification of energy capacity divided by power and not necessarily how long the BESS is actually expected to last. You can of course get batteries in other configurations besides 2-hr and 4-hr, but 300 kW / 200 kWh is a <1hr configuration, which generally speaking, the inverter may not like very much due to charge rates. Do you know how the airport / owner's engineer sized this battery? Do you think they'd be open to a sizing analysis (perhaps once the project is awarded)?</p>	<p>Yes, understood on the unusual battery sizing request. The 300 kW inverter requirement was sized to match the solar and the maximum allowable power sent to the facility from the solar/battery subpanel. This is to future proof the battery in the case of increased energy capacity in the future.</p> <p>The 200 kWh energy requirement is where we feel the project budget will land at this time. Our original sizing intent was around a 1hr battery, but we do not feel this is practical given the battery costs. For the purposes of this project, we would like the bi-directional inverter supplied to be able to support power up to 300 kw, even though this may be battery size limited initially based on the allowable charge/discharge rates. This is likely battery manufacturer specific and can be part of the contractors design parameters.</p>
12	263300	<p>They have asked for a lump sum quote for the battery, but the battery will need to be operated to do anything, which typically in the industry (and definitely with muGrid) means paying an ongoing subscription fee for operation services. Do you know what benefits they hope to get from the battery (economic, resilience, or otherwise)? Do you get the feeling they are open to including ongoing software subscription in the bid package? Do you have any idea about their rate tariff so that we could calculate the economic benefit of the battery with muGrid Redcloud RealTime dispatching?</p>	<p>We are aware of muGrid's Redcloud RealTime dispatching and it may be a good controls fit for the project. The use cases for the battery control are listed in 26 33 00 and should match well with that control system. The battery system controls are required to meet those parameters, benefits and warranty as part of the alternate bid. A subscription service may be considered by the customer if the benefits (regular updated to the economic parameters, etc) are attractive after the project is awarded and the design is complete.</p>
13	Buy American	<p>If we submit components with a "Buy America Act Compliant Waiver", does that meet the Buy American requirements at 100%?</p>	<p>No. Only products that the FAA has issued a waiver for and are on the FAA Nationwide Buy American Waivers Issued listing meet the Buy American requirement at 100%</p>
14	Buy American	<p>Does the battery alternate also need to be Buy American Certified?</p>	<p>Yes, this would be included in the waiver calculations if not Buy American certified.</p>
15	Supplementary Provisions	<p>Please clarify the insurance requirements page 3 of this document it has nothing checked for the requirements.</p>	<p>See Addendum 1.</p>

16	E010	I don't see there any provisions called out on the plans for the shutdown or hold of the inverters under conditions of the generator running. Typically there needs to be a connection between the transfer switch and the inverters and or battery system.	Spec section 26 33 00 2.3 describes the requirements of the battery controller, item (C) refers to a device that interfaces with the ATS-1, similar to the question's description. The intent of the design is for the solar PV and Battery storage system to shut down when the building is running on generator power to avoid under loading the existing generator. The contractors design is required to have this monitoring connection with the transfer switch/generator to accomplish this.
17	E010	For the feeder size, if I use 5% for my voltage drop calculations and roughly 1500 feet, is the difference in what I am coming up with ((3) sets of #500s copper and (3) 4" conduits) and what is shown on the plan ((2) sets of #250s and (2) 3" conduits) on me to figure out and include in my bid? that is a significant cost increase.	The feeder size and location on the drawings is for basis of design purposes only. Contractor will need to complete sizing and design to meet performance specification requirements (and codes). If this differs from the basis of design, this cost needs to be included in your bid.
END.			



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Welcome and Introductions

- ◆ Airport Staff:
 - ◆ Don Swanson, Director of Finance & Administration
 - ◆ Todd Gibbs, Director of Operations
- ◆ Design Team:
 - ◆ Eric Scott, Foth - Civil
 - ◆ Jeff Gaard & Brett Barry, Mead & Hunt – Architect
 - ◆ Mindy Sorg & Jamie Craine, OPN – Architect (Airport Admin Offices)
 - ◆ Meghan Cronin & Daniel Swiatek, MBJ - Structural
 - ◆ Pete Courtney, Jeremy Vetting, Phil Nietfeldt, IMEG – Mechanical, Electrical, Technology
 - ◆ Alex Harris, HGA – Solar PV
 - ◆ Bobby Worthington, AERO – Aircraft Parking & Passenger Boarding Bridges
 - ◆ Justin Widdel, Terracon – Geotechnical



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Bidding

- ◆ Letting Date: Wednesday, December 7, 2022 @ 2:00 PM (*local time*)
- ◆ Bid Requirements (*checklist – noted on Proposal Form*):
 - ◆ Proposal Form, signed
 - ◆ Acknowledgement of Addenda (if applicable)
 - ◆ Utilization Statement and Letter of Intent – Disadvantage Business Enterprise
 - ◆ *If Goal Not Met: Iowa DOT Form 102115 (Evidence of Good Faith Efforts)*
 - ◆ Buy American Certification Form for Total Facility
 - ◆ *If Waiver requested: Within 15 Calendar Days, FAA Form 5100-143, Project Content Percentage Worksheet*
 - ◆ Bidder's List Form
 - ◆ Targeted Small Business (TSB) Pre-Bid Contact Information Form 730007WP 7-97
 - ◆ Bid Guarantee (Bid Bond): 5% of Bid
 - ◆ submitted in a separate envelope



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Bidding, Checklist

ATTACHMENTS TO THIS BID

The following documents are attached to and made a part of this Bid and are a condition of Bid responsiveness:

- Signed Proposal Form
- Acknowledgement of Addenda (if applicable)
- DOT Disadvantaged Business Enterprise Information Statement of DBE Commitment Form (102115 form) and/or FAA Disadvantage Business Enterprises "Utilization Statement" and "Letter of Intent" forms.
- Evidence of good faith efforts required by 49 CFR Part 26, Appendix A. If proposed DBE goal is met, submittal of evidence of good faith efforts is not required.
- Buy American Certification Form for Total Facility.
- Bidder's List Form.
- Targeted Small Business (TSB) Pre-Bid Contact Information Form 730007WP 7-97

ATTACHMENTS TO THIS BID IN SEPARATE ENVELOPE

The following document is submitted in a separate envelope and made a part of this Bid:

- Bid Guarantee (Bid Bond) in the form set forth in the Bidding Documents.

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Bidding, Proposal Attachment

UTILIZATION STATEMENT Disadvantage Business Enterprise

The undersigned bidder/offeror has satisfied the requirements of the bid specification in the following manner. (Please mark the appropriate box)

- The bidder/offeror is committed to a minimum of 0.87% DBE utilization on this contract.
- The bidder/offeror, while unable to meet the DBE goal of 0.87%, hereby commits to a minimum of _____ % DBE utilization on this contract and also submits documentation, as an attachment demonstrating good faith efforts (GFE).

Iowa DOT DBE Directory: <https://secure.iowadot.gov/DBE/Home/Index/>

Bidding, Proposal Attachment

LETTER OF INTENT Disadvantage Business Enterprise (This page shall be submitted for each DBE firm)

Bidder/Offer	Name: _____
	Address: _____
	City: _____ State: _____ Zip: _____
DBE Firm:	DBE Firm: _____
	Address: _____
	City: _____ State: _____ Zip: _____
DBE Contact Person:	Name: _____ Phone: (____) _____
DBE Certifying Agency:	_____ Expiration Date: _____

Each DBE Firm shall submit evidence (such as a photocopy) of their certification status.

Bidding, Proposal Attachment

Form 102115
08-00

Iowa Department of Transportation

DISADVANTAGED BUSINESS ENTERPRISE INFORMATION STATEMENT OF DBE COMMITMENTS

(To be completed in ink by All Bidders as per the current DBE Specification)

The submittal of this form with the signed proposal constitutes your DBE commitment.

The following work will be subcontracted to certified DBE firms.

1. DBE Firm* Date Contacted Person Contacted	2. Work or Items To Be Subcontracted	3. Submit Quote Yes/No	4. Use Quote Yes/No	5. Am
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Bidding, Proposal Attachment

Iowa DOT DBE Directory: <https://secure.iowadot.gov/DBE/Home/Index/>

IOWADOT
SHRINKER • FUMI • CIVIL RIGHTS HOME

DIRECTORY SEARCH PAGE

Search By ...

FIRM NAME

Firm Name
Enter Firm Name

Search Directory

NAICS CODE

WORK TYPE

Or View All Directory Listings

Full Directory

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Bidding, Proposal Attachment

BUY AMERICAN CERTIFICATION FORM FOR TOTAL FACILITY

(Building projects such as Terminal, SRE, ARFF, etc.)

As a matter of bid responsiveness, the Bidder or Offeror must complete, sign, date, and submit this certification statement with their proposal. The Bidder or Offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one of the following certification statements. These statements are mutually exclusive. **Bidder must select one or the other (i.e. not both) by inserting a checkmark (✓) or the letter "X".**

The Bidder or Offeror hereby certifies that it will comply with 49 USC. 50101 by:

- Only installing steel and manufactured products produced in the United States, or;
- Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing, or;
- Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the Bidder or Offeror agrees:

- To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
- To faithfully comply with providing US domestic products.
- To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

The Bidder or Offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent Bidder or Offeror with

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Bidding, Proposal Attachment

BIDDER'S LIST FORM

(Completed by each Bidder and submitted with Bid
Complete both sides and attach additional sheets as necessary)

The Cedar Rapids Airport Commission, (Owner/Commission) has established a Disadvantaged

BIDDER'S LIST FORM, continued

(Below is a list of Subcontractors providing bids and proposed for this project)
(attach additional sheets as necessary)

Firm Name	Firm Address/ Phone #	DBE or Non- DBE Status (verify via State's UCP Directory)	Age of Firm	Annual Gross Receipts

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Bidding, Proposal Attachment

Form 7300-07 rev
07-97

Contractor _____
Project # _____
County _____
City _____

Page #

TARGETED SMALL BUSINESS (TSB) PRE-BID CONTACT INFORMATION

(To Be Completed By All Bidders Per The Current Contract Provision)

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Bidding, Proposal Form – General Construction Items (1-6)

ITEM NO.	ITEM CODE	ITEM	QTY	UNIT	UNIT PRICE (Numbers)	EXTENSION
GENERAL CONSTRUCTION ITEMS						
1	CP-50	CONSTRUCTION SURVEY	1	LS		\$
2	SUPPL. PROV. C	INDEMNIFICATION INSURANCE	1	LS		\$
3	SUPPL. PROV. C	EXCESS UMBRELLA INSURANCE	1	LS		\$
4	C-105	MOBILIZATION AND MISCELLANEOUS	1	LS		\$
5	C-105	TRAFFIC CONTROL/SECURITY	1	LS		\$
6	C-105	CONSTRUCTION ACCESS	1	LS		\$

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Bidding, Proposal Form – Work Package #1 (Bid Items 7-87)

WORK PACKAGE #1 – SITE IMPROVEMENTS

7	P-101	AIRFIELD PAVEMENT REMOVAL, LESS THAN OR EQUAL TO 12-INCHES	16,250	SY		\$
8	P-101	AIRFIELD PAVEMENT REMOVAL, GREATER THAN 12-INCHES	13,855	SY		\$
9	P-101	PAVEMENT MARKING REMOVAL	12,450	SF		\$
10	P-101	DRAINAGE PIPE REMOVAL, SUBDRAIN	805	LF		\$
11	P-101	DRAINAGE PIPE REMOVAL, LESS THAN 24 INCH DIA.	755	LF		\$
12	P-101	DRAINAGE PIPE REMOVAL 24 INCH DIA. AND GREATER	440	LF		\$

83	L-110	1-WAY 2" SCHEDULE 40 PVC DUCT BANK, CONCRETE ENCASED	625	LF		\$
84	L-110	4-WAY 4" SCHEDULE 40 PVC DUCT BANK, CONCRETE ENCASED	690	LF		\$
85	L-110	6-WAY 4" SCHEDULE 80 PVC DUCT BANK, DIRECTIONALLY BORED	185	LF		\$
86	L-115	ELECTRICAL MANHOLE, REMOVAL	2	EA		\$
87	L-115	COMMUNICATIONS MANHOLE	2	EA		\$

Bidding, Proposal Form – Work Package #2 (Bid Items 88-97)

WORK PACKAGE #2 – BUILDING IMPROVEMENTS

88	DIVISION 02-312010	EAST CARGO BUILDING DEMOLITION	1	LS		\$
89	DIVISION 02-312010	CONSTRUCT TERMINAL EXPANSION – ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, & TECHNOLOGY	1	LS		\$
90	DIVISION 02-312010	CONSTRUCT TERMINAL POST-SECURITY (AREA A – D) RENOVATION – ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, & TECHNOLOGY	1	LS		\$
91	DIVISION 02-312010	CONSTRUCT TERMINAL PRE-SECURITY (AREA K) RENOVATION – ARCHITECTURAL	1	LS		\$
92	DIVISION 11	INSTALL PASSENGER BOARDING BRIDGE AND BAG BUDDY, NEW GATES	1	LS		\$
93	DIVISION 11	INSTALL PASSENGER BOARDING BRIDGE BAG BUDDY, ON EXISTING GATES	1	LS		\$
94	DIVISION 14	ELEVATOR	1	LS		\$
95	DIVISION 23	GEOTHERMAL – ADDITIONAL WELL	8	EA		\$
96	DIVISION 23	GEOTHERMAL WELL CASING	2,750	LF		\$
97	DIVISION 26	PHOTOVOLTAIC SYSTEM	1	LS		\$

Bidding, Proposal Form – Work Package #3 (Bid Items 98-99)

WORK PACKAGE #3 – OFFICE BUILDOUT

98	DIVISION 02-312010	CONSTRUCT ADMINISTRATION OFFICES BUILDOUT	I	LS		\$
99	DIVISION 02-312010	CONSTRUCT PRE-SECURITY BADGING OFFICE BUILDOUT (AREA L)	I	LS		\$

Bidding, Proposal Form – Allowances (Bid Items 100-101)

ALLOWANCES

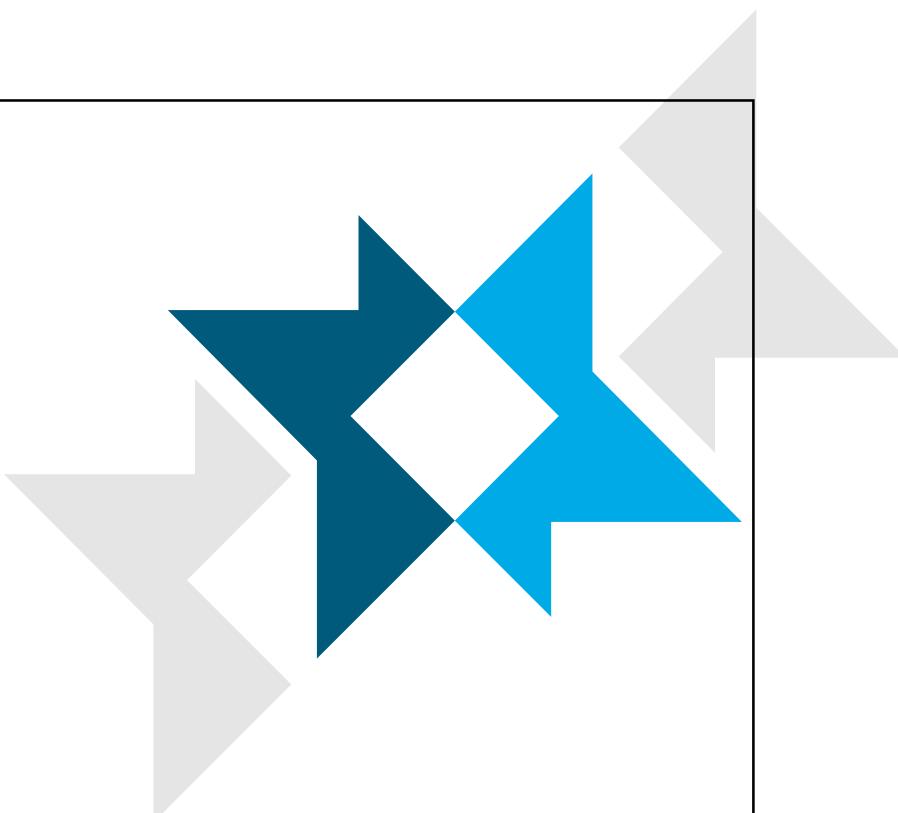
100	DIVISION 012100	ALLOWANCE #1 FURNITURE – BADGING OFFICE	I	ALLOW	\$50,000.00	\$ 50,000.00
101	DIVISION 012100	ALLOWANCE #2 FURNITURE - ADMINISTRATION	I	ALLOW	\$550,000.00	\$ 550,000.00

Frequently Asked Questions

- ◆ Can the Bid Date be pushed back? **No.**
- ◆ Can itemization of Proposal Form be submitted after the bid? **No.**
- ◆ What is the project estimate? **The advertised estimate is \$62M with a DBE goal of 0.87%.**
- ◆ What is the expectation for holding prices? **Bidders are required to hold their bid prices, price increases and/or escalation after bids are submitted and during construction will not be accepted by the Owner. The Owner intends to expeditiously execute a contract following issuance of the notice of intent to award to assist contractors in getting Purchase Orders issued to subcontractors and suppliers as soon as possible.**
- ◆ Who is responsible for obtaining the construction permits? **Contractor is responsible for obtaining all permits necessary for the project.**



General Project Overview



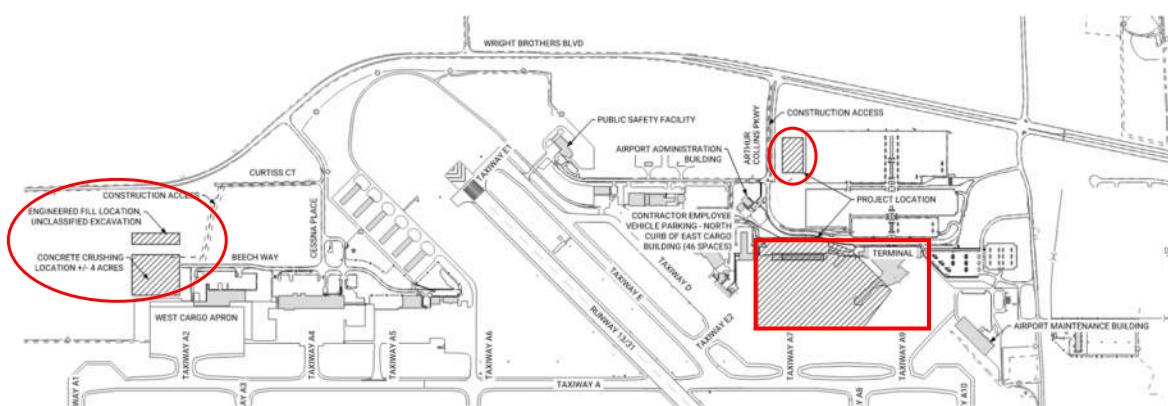
General Scope of Project

- Terminal Modernization – Phase 4 Concourse; Site Work Improvements & Building Construction including:
 - Approx. 48,000 SF Building Expansion; 16,000 SF Building Renovation; 26,000 SF Building Demolition
 - Associated Architectural, Structural, Mechanical, Plumbing, Electrical & Technology
 - Geothermal, Photovoltaic System (PV), Fire Protection(fully sprinklered)
 - Passenger Boarding Bridges, Elevator
 - Sitework
 - 30,000 SY Pavement Removal, Unclassified Excavation, Cement Treated Subgrade, Recycled Aggregate Base
 - Cement Treated Permeable Base, Storm Sewer, Pavement Markings
 - 12,000 SY of 14.5-15" PCC Paving, 18,000 SY of 8" PCC Paving

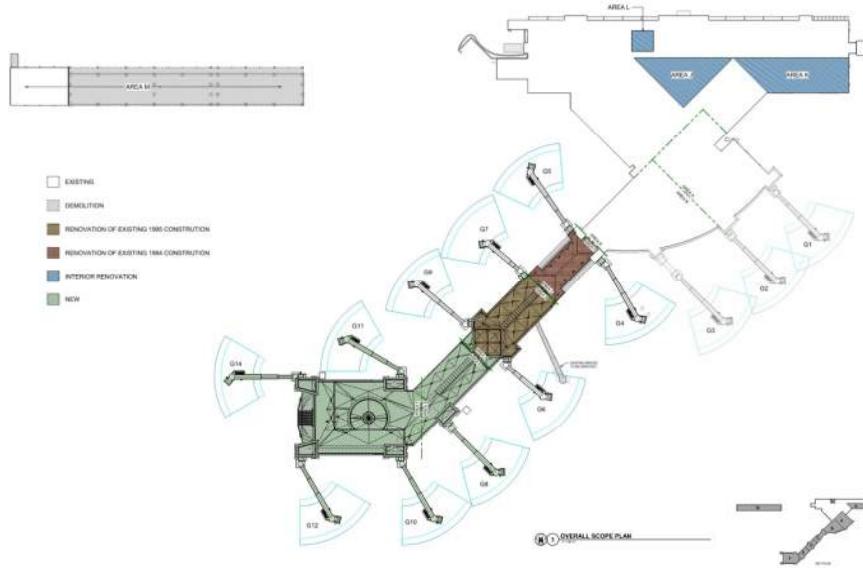


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Project Site Overview – Work Package #1, A.03



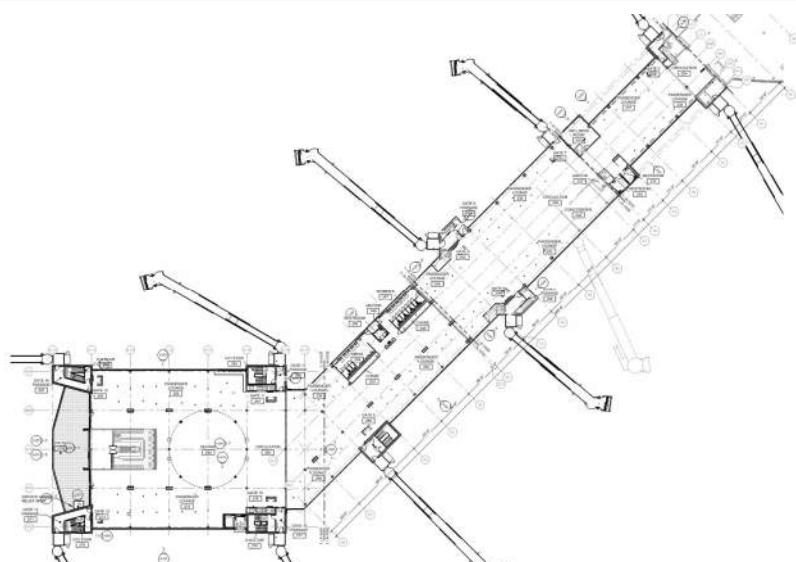
Facility Overview – Work Package #2 & #3, G-100



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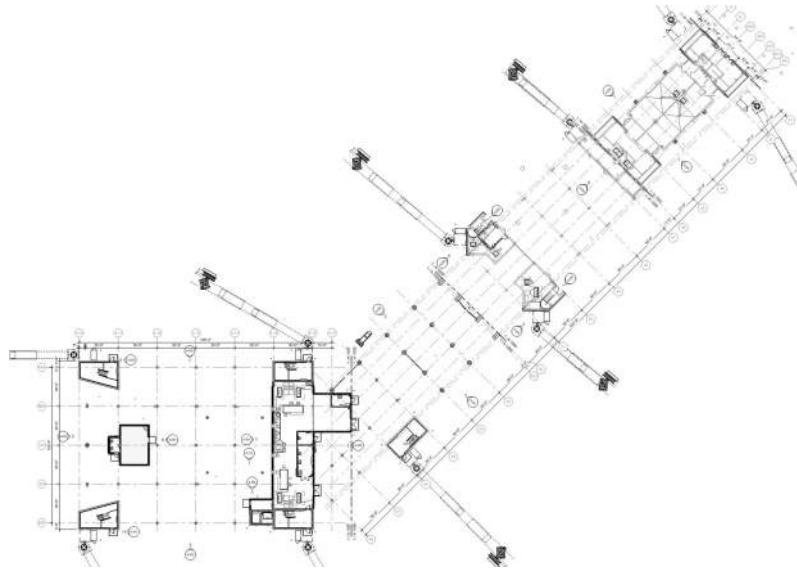
Facility Overview – Work Package #2, A-101



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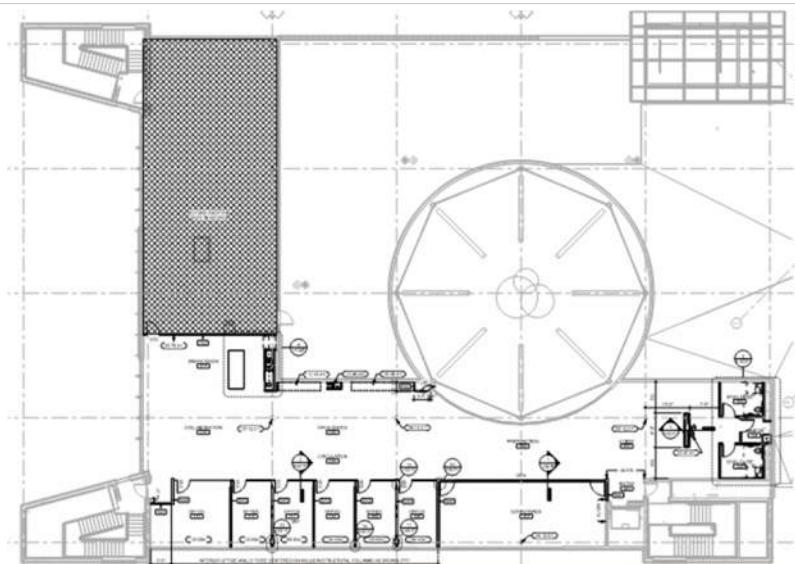
Facility Overview – Work Package #2, A-100



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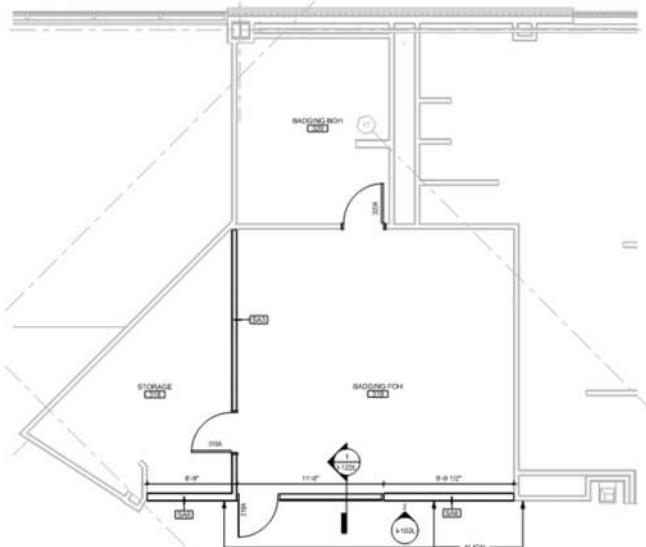
Facility Overview – Work Package #3, I-102F



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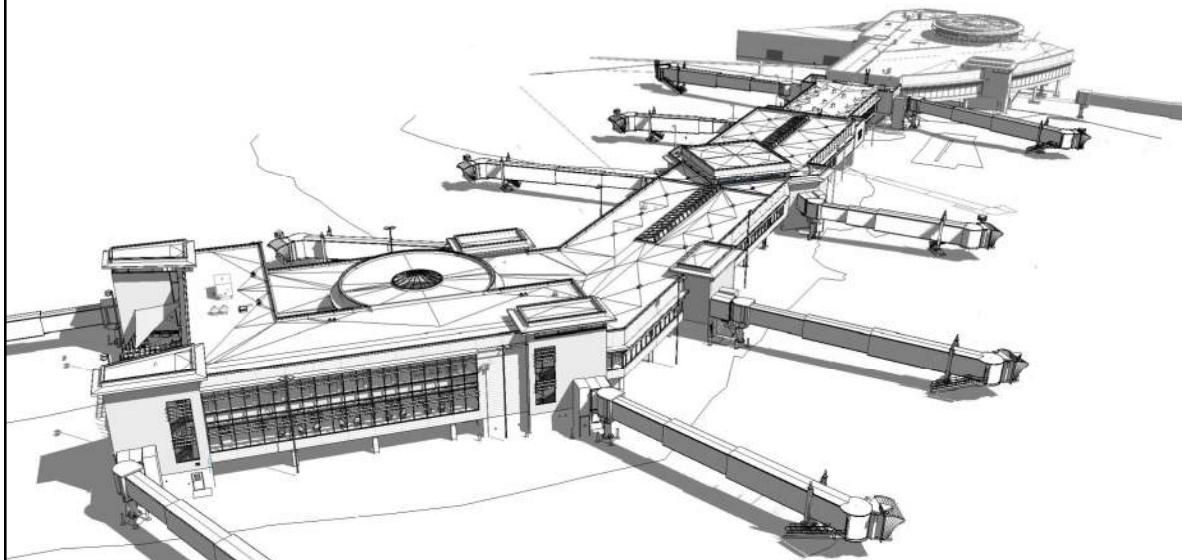
Facility Overview – Work Package #3, I-102L



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Facility Overview 3D View



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Scope of Project – Work Package #2

- ◆ Architectural Construction Includes:
 - ◆ 5 relocated/renovated and 5 new boarding bridges. All with new baggage lift systems.
 - ◆ New gate stair towers at new gates. Renovated stair towers at existing.
 - ◆ New & renovated passenger lounges
 - ◆ Converted existing restroom blocks into single user restrooms & Wellness Room.
 - ◆ New restroom block
 - ◆ Shell space for future restaurant and associated cold storage below concourse
 - ◆ Mechanical support spaces
 - ◆ New skylights
 - ◆ Modifying existing pyramid roof at end of concourse to flat roof w/ clerestory glazing



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Scope of Project - Work Package #2, cont'd.

- ◆ Architectural Construction Includes:
 - ◆ **Finishes:**
 - ◆ Exterior: Limestone masonry, Insulated metal panel corrugated metal panel.
 - ◆ Roof: TPO
 - ◆ Interior Finishes: Terrazzo, carpet tile, large format porcelain tile, wood grille ceiling system, acoustic ceiling tile system, veneer limestone.



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Scope of Project - Work Package #3

- ◆ Architectural Construction Includes:
 - ◆ Upper-level administration office
 - ◆ Pre-secure badging office area
 - ◆ **Finishes:**
 - ◆ Porcelain tile, carpet tile, interior glazed partitions. Exposed structure above.



Scope of Project – Work Package # 2, cont'd.

- ◆ Structural Construction Includes:
 - ◆ New construction: Steel frame with composite deck at concourse floor. Glued laminated decking and beams typical above concourse
 - ◆ Foundations: Rammed aggregate piers
 - ◆ Renovation: Existing structural to remain, with modification at some areas
- ◆ Mechanical / Plumbing Construction Includes:
 - ◆ Delegated Design - Fire Protection
 - ◆ Mechanical: Extend geothermal field, & heat pumps
 - ◆ Plumbing: Extend cold water, new water heater, restrooms/kitchen.
 - ◆ Geothermal Well Field Expansion
 - ◆ Snowmelt system @ patio



Scope of Project – Work Package # 2, cont'd.

- ◆ Electrical Construction Includes:
 - ◆ Extending existing electrical service
 - ◆ Extend PV system
 - ◆ Site Lighting – Apron lighting
 - ◆ New emergency generator
- ◆ Solar Construction:
 - ◆ PV System – performance-based specification
 - ◆ Roof mounted – Flat, ballast array



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Scope of Project – Work Package # 2, cont'd.

- ◆ Technology Construction Includes:
 - ◆ Access Control
 - ◆ Wireless Internet
 - ◆ Video security
 - ◆ Furniture & TV coordination
 - ◆ Fiber



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Scope of Project – Work Package #1

- ◆ Site Work Construction Includes:
 - ◆ Water and Sanitary Services
 - ◆ Storm Sewer, Subdrain, Trench Drain
 - ◆ Aircraft Rated Pavement & Vehicular Pavement
 - ◆ Taxilane and Aircraft Parking Pavement Markings
 - ◆ Communications Duct Bank



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Construction Schedule

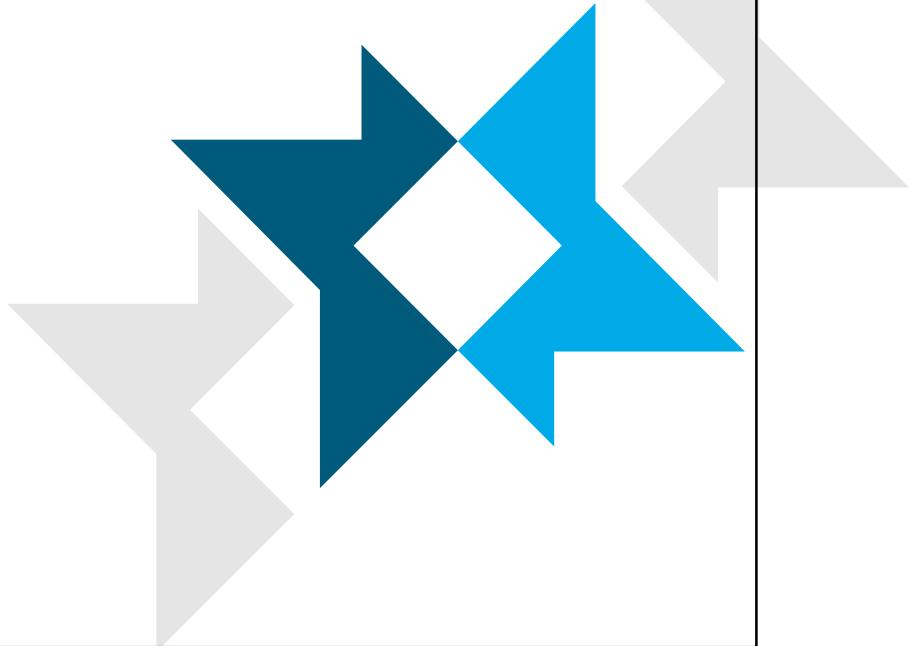
- ◆ Notice-of-Intent to Award – within 30 days of Bid Opening, anticipated by December 31, 2022
 - ◆ *Bonds, Insurance, Agreement submitted*
- ◆ Notice-to-Proceed
 - ◆ *No earlier than: following approval of properly executed contract documents*
 - ◆ *No later than: April 3, 2023*
- ◆ Work Area 1 – Phase 1: Start Date April 3, 2023; Complete within 90 Calendar Days
- ◆ Work Area 2 – Phase 1: Early Start Date December 18, 2023
- ◆ Work Area 2 – Phase 2, Terminal Delivery Drive: Limited to 14 Calendar Days
- ◆ Substantial Completion, All Work, by April 3, 2025
- ◆ Final Completion: 90 Calendar Days following Substantial Completion Date
 - ◆ *This project is subject to Liquidated Damages as prescribed within the Project Manual*



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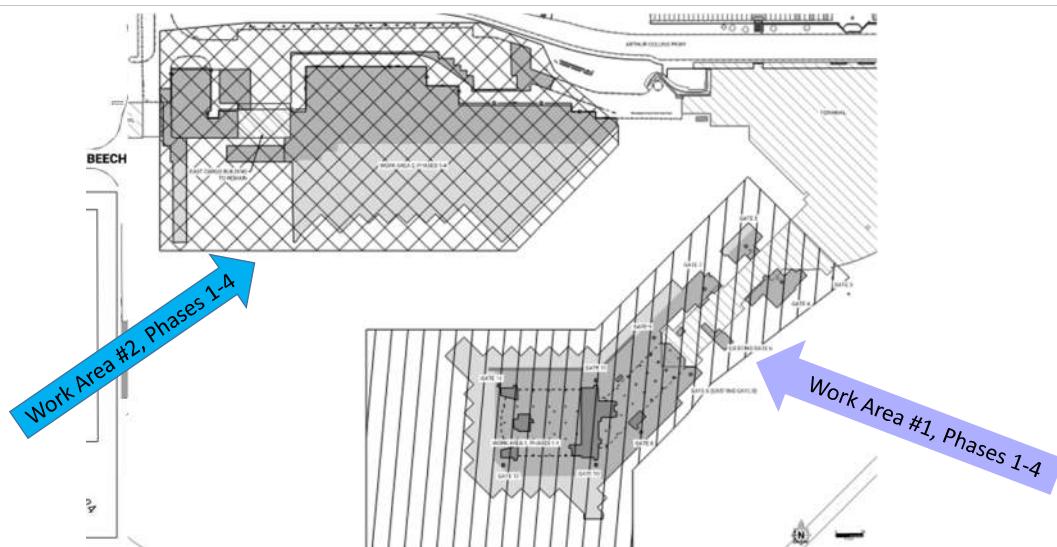


Construction Phasing, Staging, and Traffic Control (CSPP)



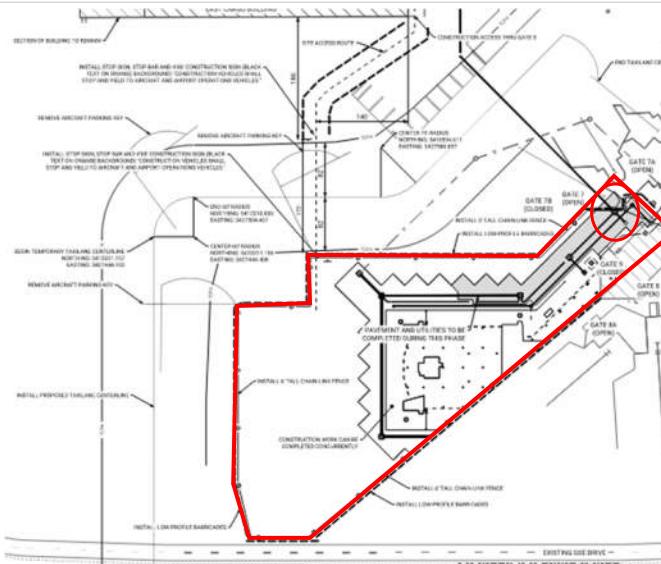
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General Phasing Overview – CSPP, J.03



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General Phasing Overview – Work Area 1 Phase 1, J.04



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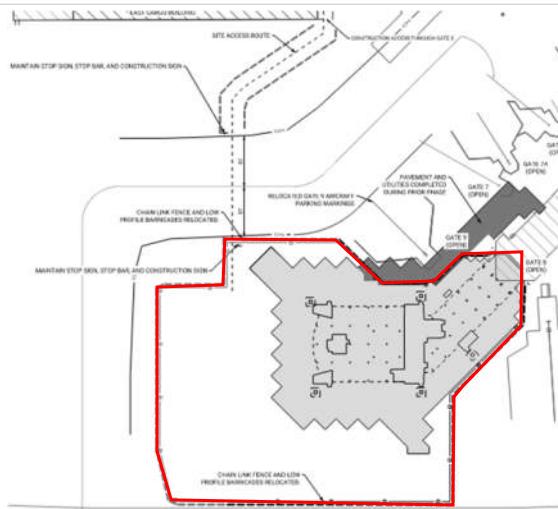
Construction Sequence – Work Area 1 Phase 1

- ◆ Gate 7B and Gate 9 Closed (Advance Notice Required)
- ◆ Barricade Placement
- ◆ Chain Link Construction Fence
- ◆ Work Package #1:
 - ◆ Pavement Marking Removal & Proposed Taxilane Markings
 - ◆ Complete Utility Extension – water, sanitary sewer, storm
 - ◆ Complete Paving
- ◆ Work Package #2 & #3:
 - ◆ Complete Gate 9 Relocation
 - ◆ Building Addition Construction within Phase limits

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General Phasing Overview – Work Area 1 Phase 2, J.05



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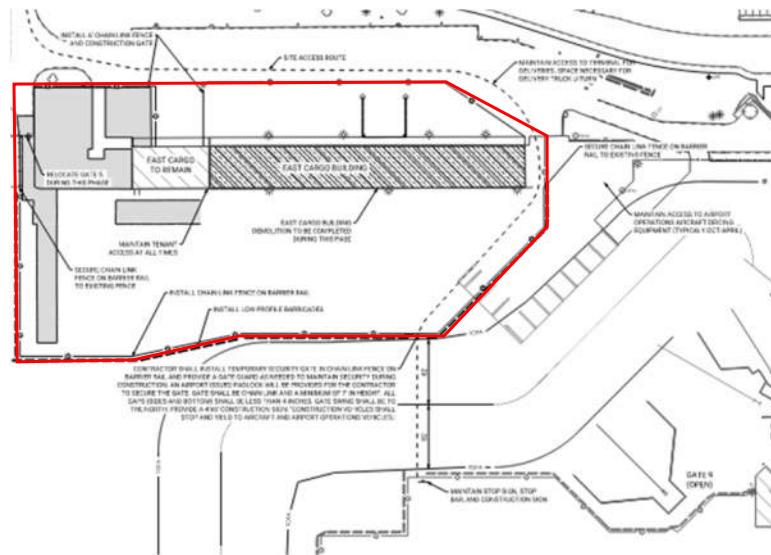
Construction Sequence – Work Area 1 Phase 2

- ◆ Gate 8A Closed (Advance Notice Required)
- ◆ Relocate Barricades and Chain Link Construction Fence
- ◆ Work Package #1:
 - ◆ Complete Sitework
- ◆ Work Package #2 & #3:
 - ◆ Complete Building Addition Construction

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General Phasing Overview – Work Area 2 Phase 1, J.06



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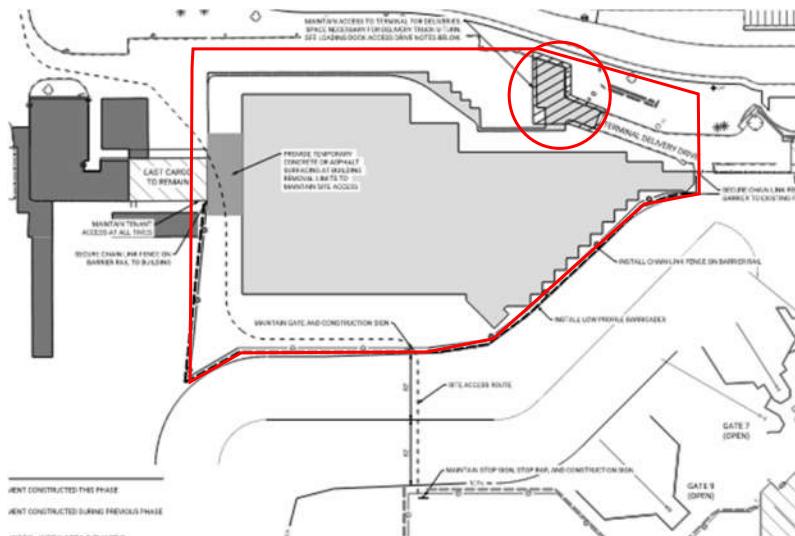
Construction Sequence – Work Area 2 Phase 1

- ◆ Barricade Placement
- ◆ Chain Link Fence on Barrier Rail Placement
- ◆ Work Package #1:
 - ◆ Complete Storm Sewer
 - ◆ Complete Duct Bank
 - ◆ Complete Paving
- ◆ Work Package #2 & #3:
 - ◆ Demolish East Cargo Building
 - ◆ Complete Building Addition Construction

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General Phasing Overview – Work Area 2 Phase 2, J.07



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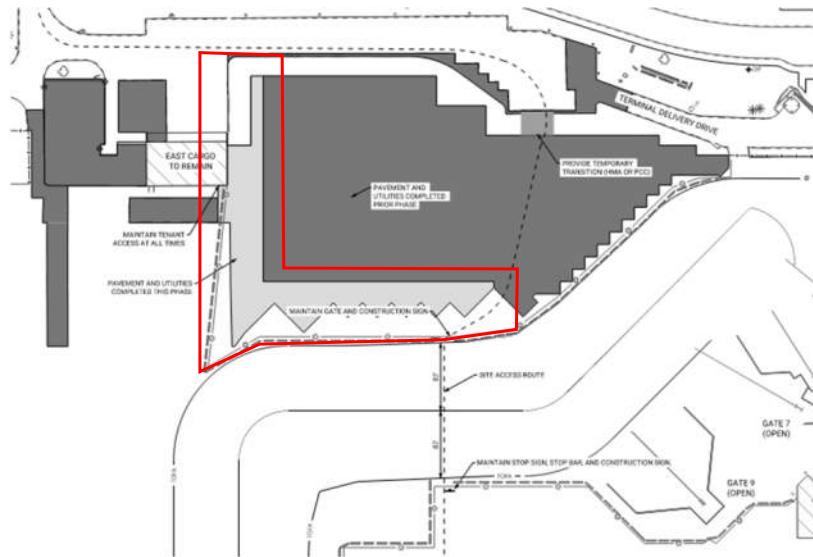
Construction Sequence – Work Area 2 Phase 2

- ◆ Barricades and Chain Link Fence on Barrier Rail Placement
- ◆ Work Package #1:
 - ◆ Complete Storm Sewer
 - ◆ Complete Duct Bank
 - ◆ Complete Paving
 - ◆ Terminal Loading Dock Access Drive – subphase
 - ◆ Advance Notice Required
 - ◆ Geothermal Piping
 - ◆ Storm Sewer Crossing
 - ◆ Paving
- ◆ Work Package #2 & #3:
 - ◆ Complete Building Addition Construction

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General Phasing Overview – Work Area 2 Phase 3, J.08



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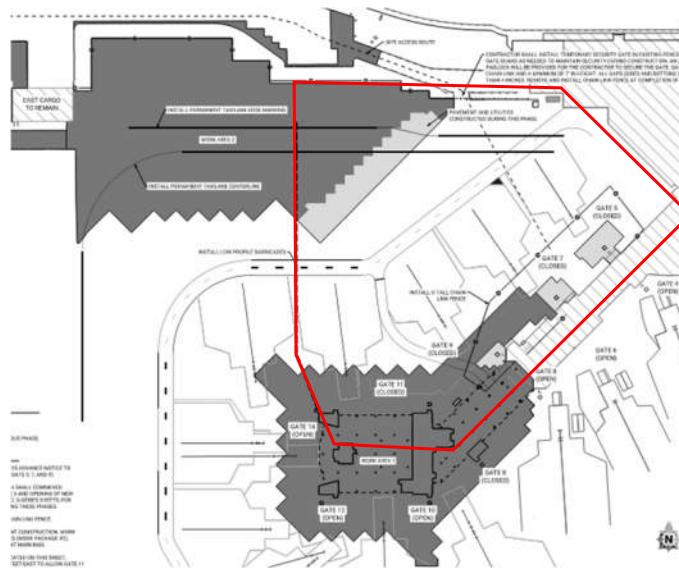
Construction Sequence – Work Area 2 Phase 3

- ◆ Work Package #1:
 - ◆ Complete Storm Sewer
 - ◆ Complete Duct Bank
 - ◆ Complete Paving
- ◆ Work Package #2 & #3:
 - ◆ Complete Building Addition Construction



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General Phasing Overview – Work Area 1 Phase 3 & Work Area 2, Phase 4, J.09



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Construction Sequence – Work Area 1 Phase 3 & Work Area 2, Phase 4

- ◆ Commence Following Completion of:
 - ◆ Work Area 2, Phase 3 AND
 - ◆ Opening of New Gates 10, 11, and 14
- ◆ Gate 5, Gate 7 and Gate 9 Closed (Advance Notice Required)
- ◆ Barricade and Chain Link Construction Fence Placement
- ◆ Work Package #1:
 - ◆ Pavement Marking Removal & Proposed Markings
 - ◆ Complete Utility Relocation – water
 - ◆ Complete Paving
- ◆ Work Package #2 & #3:
 - ◆ Complete Gate 5 and Gate 7 Relocation
 - ◆ Complete Building Renovation Construction
 - ◆ Refer to Work Package #2 & #3 Sheet G-031 for Interior Completion Requirements

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General Phasing Overview – Work Area 1 Phase 4, J.10



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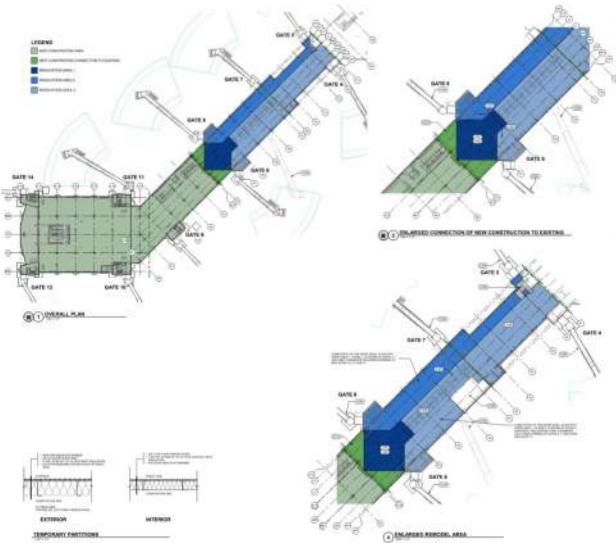
Construction Sequence – Work Area 1 Phase 4

- ◆ Commence Following Completion of:
 - ◆ Opening of Existing Gates 5, 7, and 9
 - ◆ Opening of New Gate 11
- ◆ Gate 4, Gate 6 and Gate 8 Closed (Advance Notice Required)
- ◆ Barricade and Chain Link Construction Fence Placement
- ◆ Work Package #1:
 - ◆ Pavement Marking Removal & Proposed Markings
 - ◆ Complete Utility Relocation – water
 - ◆ Complete Paving
- ◆ Work Package #2 & #3:
 - ◆ Complete Gate 4 and Gate 8 Relocation and Gate 6 Removal
 - ◆ Complete Building Renovation Construction
 - ◆ Refer to Work Package #2 & #3 Sheet G-031 for Interior Completion Requirements

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General Phasing Overview – Interior Renovation, G-031

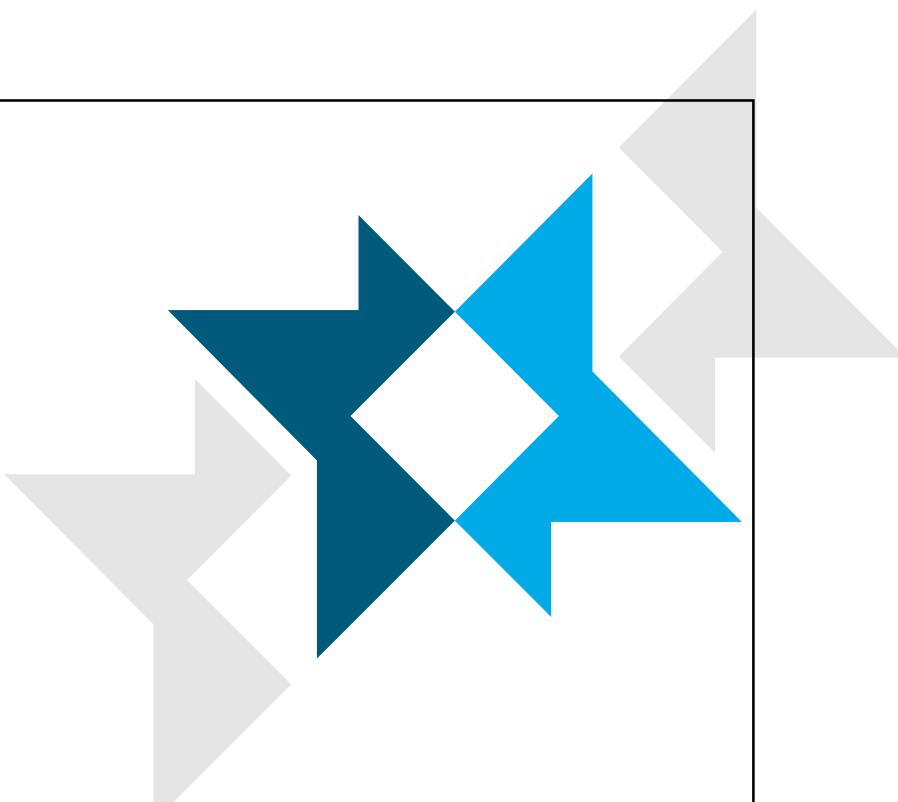


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Safety and Security



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Safety and Security

- ◆ Construction Safety and Phasing Plan:
 - ◆ Low Profile Barricades
 - ◆ Temporary Airfield Security Fence – chain link fence on TBRs
 - ◆ Security – Supplementary Provision C – Local Provisions & CSPP
 - ◆ Airport Issued Badge – All Workers
 - ◆ Escorting on an extremely limited basis
 - ◆ Vehicle & Equipment Marking
 - ◆ Gate Security
 - ◆ Tall Equipment Height Restrictions – noted on J.01
 - ◆ FOD (Foreign Object Debris)



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Miscellaneous

- ◆ Federal Contract Provisions – including Davis Bacon Wages
 - ◆ Construction Type – Building
 - ◆ Construction Types – Heavy and Highway
- ◆ Prime Contractor – shall perform at least 25% of total contract amount
- ◆ Mobilization Bid Item – limited to 10% of total contract amount
- ◆ Questions: received by 12:00 p.m. (local time) Tuesday, November 29, 2022
 - ◆ Questions received after this date may not be answered
 - ◆ Questions are preferably emailed to:
 - ◆ Work Package #1 and Bid Submittals: eric.scott@foth.com
 - ◆ Work Package #2: Jeff.Gaard@meadhunt.com
 - ◆ Work Package #3: msorg@opnarchitects.com
 - ◆ Questions will be formally answered by addendum
- ◆ Plan Holders List: Rapids Reproductions



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Addenda Items

- ◆ Addendum #1 - issued Tuesday, November 8, 2022
- ◆ Addendum #2 - anticipated issue date Friday, November 18, 2022
 - ◆ Pre-bid presentation
 - ◆ Responses to Contractor questions to date and questions received at Pre-Bid Meeting
 - ◆ Davis Bacon Wage Decision: Construction Types – Heavy and Highway
- ◆ Addendum #3 - anticipated issue date Wednesday, November 30, 2022 (if needed)
 - ◆ Responses to Contractor questions received prior to 12:00 p.m. Tuesday, November 29, 2022

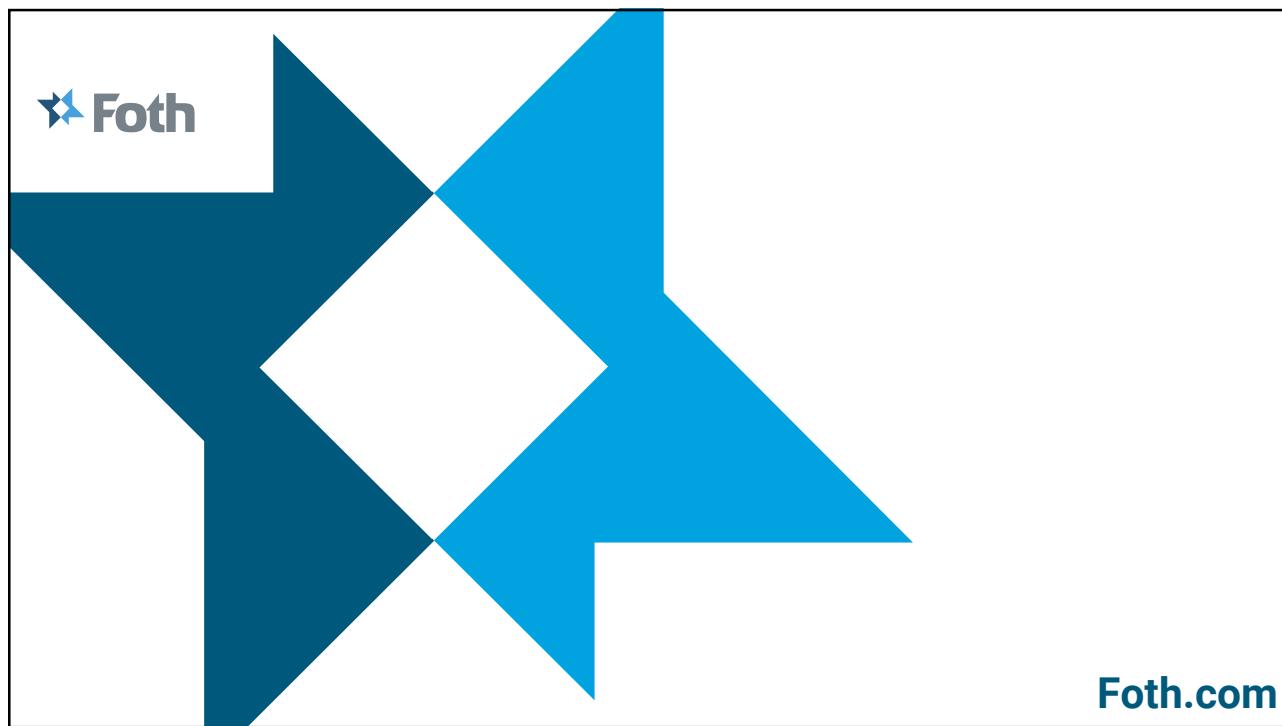


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Questions and Answers

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**Terminal Solar PV Project
Pre-Bid Meeting Via Microsoft Teams Conference Call
November 14, 2022, 1:00 PM
SIGN IN SHEET**

Names shown below joined the Microsoft Teams Conference Call

NAME	FIRM	PHONE NUMBER	EMAIL
Dan Klaas	DBQ	563.589.4232	dklaas@cityofdubuque.org
Todd Dalsing	DBQ	563.589.4232	dalsing@cityofdubuque.org
Cheryl Sheldon	DBQ	563.589.4232	CSheldon@cityofdubuque.org
Eric Scott	Foth	319.297.2069	Eric.Scott@foth.com
Dillon Schiltz	Foth	319.297.2076	Dillon.schiltz@foth.com
Alexander Harris	HGA		AHarris@hga.com
Chris Garcia	HGA		CGarcia@hga.com
Kevin Standlee	HGA		KStandlee@hga.com
Chloe Grice	Ideal Energy		chloe@idealenergyinc.com

Chuck Klapatauskas	Ideal Energy		chuck@idealenergyinc.com
Devin Hester	Solar Energy Solutions		devin@sesre.com
Erik Meyerhoffer	Solar Energy Solutions		erik@sesre.com
John Feltes	Acme Electric		jfeltes@acmeelectric.com
Kent Kraus	Eagle Point Solar		kkraus@eaglepointsolar.com
Marilyn Hardy	Blue Horizon Energy		marilyn.hardy@bluehorizonenergy.com
Ron Thielen	Westphal Electrical		rthielen@westphalec.com
Todd Lindquist	Eagle Point Solar		tlindquist@eaglepointsolar.com
Todd Miller	1 Source Solar		todd@1sourcesolar.com
Dale Ripp	Faith Technologies		Dale.Ripp@faithtechinc.com
Jeremy Snead	1 Source Solar		jeremy@1sourcesolar.com
Blue Sky Solar		563-542-5725	
A&G Electric		563-590-8214	

UTILIZATION STATEMENT
Disadvantage Business Enterprise

The undersigned bidder/offeror has satisfied the requirements of the bid specification in the following manner. (*Please mark the appropriate box*)

- The bidder/offeror is committed to a minimum of 0.94% DBE utilization on this contract.**
- The bidder/offeror, while unable to meet the DBE goal of 0.94%, hereby commits to a minimum of _____% DBE utilization on this contract and also submits documentation, as an attachment demonstrating good faith efforts (GFE).**

The undersigned hereby further assures that the information included herein is true and correct, and that the DBE firm(s) listed herein have agreed to perform a commercially useful function in the work items noted for each firm. The undersigned further understands that no changes to this statement may be made without prior approval from the Civil Right Staff of the Federal Aviation Administration.

Bidder's/Offeror's Firm Name

Signature

Date

DBE UTILIZATION SUMMARY

	<u>Contract Amount</u>	<u>DBE Amount</u>	<u>Contract Percentage</u>
DBE Prime Contractor	\$ _____ x 1.00 =	\$ _____	_____ %
DBE Subcontractor	\$ _____ x 1.00 =	\$ _____	_____ %
DBE Supplier	\$ _____ x 0.60 =	\$ _____	_____ %
DBE Manufacturer	\$ _____ x 1.00 =	\$ _____	_____ %
Total Amount DBE		\$ _____	_____ %
DBE Goal		\$ _____	_____ %

Note: If the total proposed DBE participation is less than the established DBE goal, Bidder must provide written documentation of the good faith efforts as required by 49 CFR Part 26.

LETTER OF INTENT
Disadvantage Business Enterprise
(This page shall be submitted for each DBE firm)

Bidder/Offer Name: _____
Address: _____
City: _____ State: _____ Zip: _____

DBE Firm: DBE Firm: _____
Address: _____
City: _____ State: _____ Zip: _____

DBE Contact Person: Name: _____ Phone: (____) _____

DBE Certifying Agency: _____ Expiration Date: _____

Each DBE Firm shall submit evidence (such as a photocopy) of their certification status.

Classification: Prime Contractor Subcontractor Joint Venture
 Manufacturer Supplier

Work item(s) to be performed by DBE	Description of Work Item	Quantity	Total

The bidder/offeror is committed to utilizing the above-named DBE firm for the work described above. The estimated participation is as follows:

DBE contract amount: \$ _____ Percent of total contract: _____ %

AFFIRMATION:

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

By: _____
(Signature) _____ (Title) _____

Note: In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.

SUPPLEMENTARY PROVISIONS

ATTACHMENT 2

Airport Insurance Schedule

Intentionally Left Blank

**Dubuque Regional Airport Insurance Requirements for General, Artisan or Trade Contractors,
Subcontractors or Sub-Subcontractors**

AIRPORT INSURANCE SCHEDULE F

Class A:

Asbestos Removal	Fiber Optics	Sanitary Sewers
Asphalt Paving	Fire Protection	Sheet Metal
Concrete	Fireproofing	Site Utilities
Construction Managers	General Contractors	Shoring
Cranes	HVAC	Special construction
Culverts	Mechanical	Steel
Decking	Paving & Surfacing	Storm sewers
Demolition	Piles & Caissons	Structural Steel
Deconstruction	Plumbing	Trails
Earthwork	Retaining Walls	Tunneling
Electrical	Reinforcement	Water main
Elevators	Roofing	

Class B:

Chemical Spraying	Landscaping	Rough Carpentry
Doors, Window &	Masonry	Stump Grinding
Glazing	Vehicular Snow Removal	Tank Coating
Drywall Systems	Painting & Wall Covering	Tree Removal
Fertilizer Application	Pest Control	Tree Trimming
Geotech Boring	Scaffolding	Tuckpointing
Insulation	Sidewalks	Waterproofing
Finish Carpentry	Plastering	Well Drilling

Class C:

Carpet Cleaning	General Cleaning	Power Washing
Carpet & Resilient	Grass Cutting	Tile & Terrazzo Flooring
Flooring	Janitorial	Window Washing
Caulking & Sealants	Non-Vehicular Snow &	
Acoustical Ceiling	Ice Removal	
Filter Cleaning	Office Furnishings	

**Dubuque Regional Airport Insurance Requirements for General, Artisan or Trade Contractors,
Subcontractors or Sub Subcontractors**

AIRPORT INSURANCE SCHEDULE F (continued)

1. Contractor shall furnish a signed certificate of insurance to the department responsible for the contract for the coverage required in Exhibit I prior to commencing work and at the end of the project if the term of work is longer than 60 days. Contractors presenting annual certificates shall present a certificate at the end of each project with the final billing. Each certificate shall be prepared on the most current ACORD form approved by the Iowa Department of Insurance or an equivalent approved by the Airport Director. The certificate must clearly indicate the project number, project name, or project description for which it is being provided i.e.: Project name: **Install Solar PV or Project Location at 10965 Aviation Dr, Dubuque IA.**
2. All policies of insurance required hereunder shall be with an insurer authorized to do business in Iowa and all insurers shall have a rating of A or better in the current A.M. Best's Rating Guide.
3. Each certificate shall be furnished to the Dubuque Regional Airport, 11000 Airport Rd, Dubuque IA 52003
4. Failure to provide the coverages described in this Insurance Schedule shall not be deemed a waiver of these requirements by the Dubuque Regional Airport. Failure to obtain or maintain the required insurance shall be considered a material breach of this contract.
5. Contractor shall require all subcontractors and sub-subcontractors to obtain and maintain during the performance of work insurance for the coverages described in this Insurance Schedule and shall obtain certificates of insurance from all such subcontractors and sub-subcontractors. Contractor agrees that it shall be liable for the failure of a subcontractor and sub-subcontractor to obtain and maintain such coverage. The Airport Director may request a copy of such certificates from the Contractor.
6. All required endorsements to various policies shall be attached to the certificate of insurance.
7. Whenever an ISO form is referenced the current edition must be provided.
8. Contractor shall be required to carry the minimum coverage/limit, or greater if required by law or other legal agreement, in Exhibit I - Insurance Schedule F. If the contractor's limits of liability are higher than the required minimum limit, then the contractor's limits shall be this agreement's required limits.
9. Contractor shall be responsible for deductibles and self-insured retention for payment of all policy premiums and other cost associated with the insurance policies required below.
10. All certificates of insurance must include agents name, phone number, and email address.
11. The City of Dubuque reserves the right to require complete, certified copies of all required insurance policies, including endorsements, required by this Schedule at any time.
12. The City of Dubuque reserves the right to modify these requirements, including limits, based on changes in the risk or other special circumstances during the term of the contract, subject to mutual agreement of the parties.

**Dubuque Regional Airport Insurance Requirements for General, Artisan or Trade Contractors,
Subcontractors or Sub Subcontractors**

AIRPORT INSURANCE SCHEDULE F (continued)

EXHIBIT I

A) COMMERCIAL GENERAL LIABILITY

General Aggregate Limit	\$2,000,000
Products-Completed Operations Aggregate Limit	\$2,000,000
Personal and Advertising Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000
Fire Damage Limit (any one occurrence)	\$50,000
Medical Payments	\$5,000

- 1) Coverage shall be written on an occurrence, not claims made, form. The general liability coverage shall be written in accord with ISO form CG0001 or business owners form BP0002. All deviations from the standard ISO commercial general liability form CG 0001 or business owners form BP 0002 shall be clearly identified.
- 2) Include ISO endorsement form CG 25 04 "Designated Location(s) General Aggregate Limit" or CG 25 03 "Designated Construction Project(s) General Aggregate Limit" as appropriate.
- 3) Include endorsement indicating that coverage is primary and non-contributory.
- 4) Include Preservation of Governmental Immunities Endorsement. (Sample attached).
- 5) Include additional insured endorsement for:
The City of Dubuque, the Dubuque Regional Airport and the Dubuque Regional Airport Commission, including all its elected and appointed officials, all its employees and volunteers, all its boards, commissions and/or authorities and their board members, employees and volunteers. Use ISO form CG 20 10 (Ongoing operations).
- 6) The additional insured endorsement shall include completed operations under ISO form CG 2037 during the project term and for a period of two years after the completion of the project.
- 7) Policy shall include Waiver of Right to Recover from Others endorsement.

B) WORKERS' COMPENSATION & EMPLOYERS LIABILITY

Statutory Benefits covering all employees injured on the job by accident or disease as prescribed by Iowa Code Chapter 85.

Coverage A	Statutory—State of Iowa
Coverage B	Employers Liability
	Each Accident \$100,000
	Each Employee-Disease \$100,000
	Policy Limit-Disease \$500,000

Policy shall include Waiver of Right to Recover from Others endorsement.

Coverage B limits shall be greater if required by the umbrella/excess insurer.

OR

If, by Iowa Code Section 85.1A, the Contractor is not required to purchase Workers' Compensation Insurance, the Contractor shall have a copy of the State's Nonelection of

Dubuque Regional Airport Insurance Requirements for General, Artisan or Trade Contractors, Subcontractors or Sub Subcontractors

AIRPORT INSURANCE SCHEDULE F (continued)

Workers' Compensation or Employers' Liability Coverage form on file with the Iowa Workers' Compensation Insurance Commissioner, as required by Iowa Code Section 87.22. Completed form must be attached.

C) AUTOMOBILE LIABILITY

Combined Single Limit \$1,000,000

Coverage shall include all owned, non-owned, and hired vehicles. If the Contractor's business does not own any vehicles, coverage is required on non-owned and hired vehicles.

1) Policy shall include Waiver of Right to Recover from Others endorsement.

D) UMBRELLA/EXCESS LIABILITY

Umbrella liability coverage must be at least following form with the underlying policies included herein.

All Class A contractors with contract values in excess of \$10,000,000 must have umbrella/excess liability coverage of \$10,000,000.

All Class A and Class B contractors with contract values between \$500,000 and \$10,000,000 must have umbrella/excess liability coverage of \$3,000,000.

All Class A and B contractors with contract values less than \$500,000 must have umbrella/excess liability coverage of \$1,000,000.

All Class C contractors are not required to have umbrella/excess liability coverage.

All contractors performing earth work must have a minimum of \$3,000,000 umbrella regardless of the contract value.

E) ENVIRONMENTAL IMPAIRMENT LIABILITY OR POLLUTION LIABILITY

Coverage required: Yes No

Pollution liability coverage shall be required if project involves any pollution exposure for hazardous or contaminated materials including, but not limited to, the removal of lead, asbestos, or PCB's. Pollution product and complete operations coverage shall also be covered.

Each Occurrence \$2,000,000
Policy Aggregate \$4,000,000

1. Policy to include job site and transportation coverage.
2. Include additional insured for:

The City of Dubuque, the Dubuque Regional Airport and Dubuque Regional Airport Commission, including all its elected and appointed officials, all its employees and volunteers, all its boards, commissions and/or authorities and

**Dubuque Regional Airport Insurance Requirements for General, Artisan or Trade Contractors,
Subcontractors or Sub Subcontractors**

AIRPORT INSURANCE SCHEDULE F (continued)

their board members, employees, and volunteers. Use ISO form CG 2010.
(Ongoing operations) as stated in A(6) above or its equivalent.

3. Include Preservation of Governmental Immunities Endorsement.
4. Provide evidence of coverage for 5 years after completion of project.

PRESERVATION OF GOVERNMENTAL IMMUNITIES ENDORSEMENT

1. Nonwaiver of Governmental Immunity. The insurer expressly agrees and states that the purchase of this policy and the including of the City of Dubuque, Iowa, the Dubuque Regional Airport and the Dubuque Regional Airport Commission as an Additional Insured does not waive any of the defenses of governmental immunity available to the City of Dubuque, Iowa, the Dubuque Regional Airport or the Dubuque Regional Airport Commission under Code of Iowa Section 670.4 as it is now exists and as it may be amended from time to time.
2. Claims Coverage. The insurer further agrees that this policy of insurance shall cover only those claims not subject to the defense of governmental immunity under the Code of Iowa Section 670.4 as it now exists and as it may be amended from time to time. Those claims not subject to Code of Iowa Section 670.4 shall be covered by the terms and conditions of this insurance policy.
3. Assertion of Government Immunity. The City of Dubuque, Iowa, the Dubuque Regional Airport and the Dubuque Regional Airport Commission shall be responsible for asserting any defense of governmental immunity, and may do so at any time and shall do so upon the timely written request of the insurer.
4. Non-Denial of Coverage. The insurer shall not deny coverage under this policy and the insurer shall not deny any of the rights and benefits accruing to the City of Dubuque, Iowa, the Dubuque Regional Airport and the Dubuque Regional Airport Commission under this policy for reasons of governmental immunity unless and until a court of competent jurisdiction has ruled in favor of the defense(s) of governmental immunity asserted by the City of Dubuque, Iowa and the Dubuque Regional Airport Commission.

No Other Change in Policy. The above preservation of governmental immunities shall not otherwise change or alter the coverage available under the policy.

SPECIMEN

(DEPARTMENT MANAGER: FILL IN ALL BLANKS AND CHECK BOXES)