TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

Jacobs DIBBLE CR engineers

NOTICE TO ALL BIDDERS

ADDENDUM NO. 3
TO
TUCSON AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT

DBB1 – End Around Taxiway
TAA Project No. 1011910210119102 AIRFIELD SAFETY ENHANCEMENT (ASE) PROGRAM
DESIGN BID BUILD 1 SERVICES

April 27, 2021

In accordance with the Bid Documents, Bidders on the above-referenced project are hereby notified that the following Addendum, dated April 27, 2021 shall be made a part of the Bid Documents. The Bidder shall acknowledge receipt of this addendum on the Bid Form.

GENERAL

1. Updated Bid Schedule corresponding to Addendum No. 3.
2. All references to **AIP Additive Alternate #2**: (22-Inch Steel Casing Pipe) are hereby deleted from the contract documents – including both plans and specifications. Line item included in Base Bid. An updated Bid Form is hereby provided.
3. Contractor to contact Reproductions Inc. for the exhibit identified in this addendum.
4. The Bid Form is due by 2:00 p.m. Local Tucson Time, Wednesday, **May 5, 2021** at the TAA Administration Building, 7250 S. Tucson Boulevard, Suite 300, Tucson, AZ 85756.
5. The last day for questions is Wednesday, April 28, 2021.
6. A final Addendum will be issued on Thursday, April 29, 2021, if necessary.

PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS

1. None

PROJECT PLANS

The following revised Volume 1 Contract Drawings are included in this Addendum.

1. Exhibit 1 – Waterline Realignment: This conceptual drawing supplements the proposed Tucson Water Plans by adding the permanent realignment of the 8" waterline as shown in Exhibit 1 and constructing three temporary vertical realignments of the existing 8" waterline to accommodate phasing. The successful bidder will be provided final (approved) Tucson Water Plans that will include realignment profiles and details for connecting to existing infrastructure. Exhibit 1 complements the proposed Tucson Water Plans and their associated quantities:
    a. Remove-replace PCCP and AC pavement identified for pipe trenching
    Remove 375 SY PCCP
    Remove 232 SY AC
    Install 236 CY Aggregate Base Course
    Install 132 Ton Asphalt Surface Course
    Install 165 Ton Asphalt Base Course

7250 S. Tucson Blvd, Suite 300, Tucson, Arizona 85756 TEL 520-573-8100 FAX 520-573-8008 www.flytucson.com

b. Protect in place the existing 8-Inch Asbestos Concrete Pipe until the completion of the realignment on Exhibit 1, when this line can be abandoned in place (or removed if conflicting with construction).

c. Install pipe casing for RW and TW D crossings using open-cut construction.
Install 789 LF 22-Inch Steel Pipe Casing

    i. Original line item quantified in **AIP Additive Alternate #2** to be removed. Line item included in **Base Bid**.

d. Install realigned waterline
Install 2,523 LF 8-Inch DIP Waterline
Install 4 EA 8-Inch Gate Valve, Box & Cover
Install 5 EA 1-Inch Air Release Valve (ARV)

The following revised Volume 2 Contract Drawings are included in this Addendum

2. None.

RESPONSES TO QUESTIONS

1. Question: Can you clarify if a bidder is proposing as a Joint Venture, and only one member of the Joint Venture team attended the mandatory pre-bid will that count, or is that sufficient to meet the attendance requirement for the mandatory pre-bid?

Answer: As the pre-bid meeting was not mandatory, there is no attendance requirement.

2. Question: In order for us to provide the best and most competitive bid for TAA we'd like to request the bid opening be extended to 5/19/2021.

Answer: TAA does not extend bids per contractor requests; if the bid is to be extended it will be at the sole discretion of TAA. The bid opening for the Tucson 10119102 ASE Program Design Bid Build 1 Services Project is **May 5, 2021** at 2:00 local time (No Change from Addendum No. 2). Sealed bids will be received until 2:00 p.m. Local Tucson Time, May 5, 2021 at the TAA Administration Building, 7250 S. Tucson Boulevard, Suite 300, Tucson, AZ 85756 in accordance with the requirements of the Bid Documents. Bids will then be publicly opened and read aloud. Bids received after the time designated for opening will not be considered.

3. Question: In regards to the 51% self-perform requirement in the General Conditions. Due to the significant amount of electrical work on this package, can the electrical portion be excluded from the 51% self-perform requirement?

Answer: Electrical work cannot be excluded from the 51% self-perform requirement.

4. Question: (Paraphrased by TAA for clarity) Reading through the requirements and noticed on the "Contractor's Qualification Statement" 1.1 States "1.1 How many years has your organization been in business as a Contractor? (Minimum of five years continuous operation is required.)" Would less than five years disqualify an organization?

Answer: No, it would not disqualify an organization from submitting a Bid. Discussions with the apparent low Bidder will include any concerns that TAA might have with the responses found in the Bid and accompanying documents.

MISCELLANEOUS

The following documents are hereby provided as part of the addendum:

1. TUS ASE Program DBB1 - Waterline Realignment Exhibit 1
2. Updated Bid Form

BID FORM
REVISED APRIL 27, 2021

PLACE: TUCSON AIRPORT AUTHORITY
Tucson International Airport Terminal
7250 S. Tucson Blvd., Suite 300
Tucson, Arizona 85756

DATE/TIME: 2:00 p.m. Local Tucson Time, Wednesday, May 5, 2021

BID OF: _____
(Hereinafter called the "Bidder")

DOING BUSINESS AS: _____
Corporation Partnership Individual

TO: Tucson Airport Authority ("TAA" or "Owner")

PROJECT: 10119102 Airfield Safety Enhancements (ASE) Program Design Bid Build 1 Services

I (We), the undersigned, propose to provide all construction and services required by the Bid Documents or reasonably inferable therefrom to produce the results intended, whether completed or partially completed, and including all other administration, supervision, labor, materials, equipment, supplies, incidentals, facilities, requirements, and services to be provided by Contractor to fulfill Contractor's obligations under the Contract Documents, hereinafter called the "Work."

I (We) further declare that we have carefully read and examined all Bid Documents and all portions of the Contract Documents, including the Drawings and Specifications, and that we have made personal examination of the property, and that we have a full understanding of the exact scope of the Work.

I (We) further declare that in case of a joint bid each party thereto certifies, as to his/her own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor. The Bid as stated herein includes the cost of insurance and bonds as required by the Contract Documents. I (We) agree to provide the bonds and insurance required under the Contract Documents.

I (We) further declare that we have not in the preparation or submission of this Bid, or with regard to any act of performance under the Contract Documents, entered into any contract, combination, conspiracy or other act in restraint of trade or commerce which is unlawful under the laws of the State of Arizona.

I (We) further acknowledge receipt of the following Addenda:

Addendum No.	Date
Addendum No.	Date
Addendum No.	Date
Addendum No.	Date

In submitting this Bid, I (we) agree to the following:

1. To execute the Construction Services Agreement for the Work for the price stated below, in the form submitted in the Bid Documents, as that form is supplemented and amended by the Contract Documents, within fourteen (14) Calendar Days of receipt of notification of acceptance of this Bid.
2. To accomplish the Work in strict accordance with the Contract Documents and all applicable laws, statutes, ordinances, codes and regulations, and to submit herewith the attached Non-Collusion Affidavit.
3. To commence Work on or before the date specified in the "Notice to Proceed," and to complete the Work within the time set forth in the Contract Documents.
4. To complete the Work for the price(s) shown below:

AIP BASE BID (10119102 Airfield Safety Enhancement (ASE) Program – Design Bid Build 1)

_____ ($_____)
In Words In numbers

MCCA BASE BID (Arm / De-Arm Pad)

_____ ($_____)
In Words In Numbers

MCCA BASE BID (BAK 14 Infrastructure)

_____ ($_____)
In Words In Numbers

TOTAL AGGREGATE BASE BIDS (AIP BASE BID, MCCA BASE BID (ARM/DE-ARM PAD), and MCCA BASE BID (BAK 14 INFRASTRUCTURE))

_____ ($_____)
In words In numbers

AIP Additive Alternate No. 1 (EAT Visual Screen)

_____ ($_____)
In Words In Numbers

MCCA Additive Alternate No. 1 (Jet Blast Wall)

_____ ($_____)
In Words In Numbers

MCCA Additive Alternate No. 2 (Gate B)

_____ ($_____)
In Words

MCCA Additive Alternate No. 3 (BAK 14 Access Roads)

_____ ($_____)
In Words In numbers

TOTAL AGGREGATE BIDS (AIP BASE BID, MCCA BASE BID (ARM/DE-ARM PAD), MCCA BASE BID (BAK 14 INFRASTRUCTURE), AIP ALTERNATE NO. 1 (EAT Visual Screen), AIP ALTERNATE NO. 2 (22-Inch Steel Casing Pipe), MCCA ALTERNATE NO. 1 (Jet Blast Wall), MCCA ALTERNATE NO. 2 (Gate B), and MCCA ALTERNATE NO. 3, (BAK 14 Access Roads))

_____ ($_____)
In words In numbers

Enclosed is a Bid Bond as required in the Instructions to Bidders consisting of a _____ in the amount of _____
dollars ($_____) which is not less than ten percent (10%) of the Total Aggregate Bid.

In accordance with the terms and conditions set forth in the Instruction to Bidders, the undersigned Bidder understands and agrees that the Bid Bond can be forfeited to TAA in the event the Bidder fails to deliver the required bonds and insurance and otherwise fails to execute the Construction Services Agreement for the Project within fourteen (14) Calendar Days of receipt of notification of TAA's acceptance of this Bid.

The undersigned Bidder represents to TAA the Bidder's Representations set forth in Section II of the Instructions to Bidders.

Bidder encloses with his/her/its Bid, the following documents: (1) Bid Form including Bid Schedules; (2) Noncollusion Affidavit; (3) Bid Bond; (4) Interest List Form; (5) Contractor's Qualification Statement, (6) Statement of Proposed DBE Utilization Form, (7) **Evidence of "good faith efforts" if DBE aspirational goal of 7% is not met**, (8) Certificate of Buy American Compliance, (9) Signed AIP Supplement to Instructions to Bidders, and (10) a written explanation setting forth the basis for an exemption from licensing requirements, if claimed. ANY EXCEPTIONS TO THE ABOVE LIST MUST BE IDENTIFIED IN WRITING: _____

_____

_____

_____

_____

_____ SEAL
(Official Name of Bidder) (If Bidder is a corporation)

Signature: _____

Printed Name: _____

Title: _____

Bidder's Telephone Number: _____

Bidder's Email Address: _____

Bidder's Business Address: _____
_____
_____
_____

STATE OF ARIZONA)
) ss.
County of Pima)

SUBSCRIBED AND SWORN TO before me this _____ day
of _____, by _____ in his/her capacity as _____.

Notary Public:

My commission expires:

_____

BID SCHEDULE I (AIP) - BASE BID

LINE No.	ITEM No.	DESCRIPTION	APPROX. QTY.	UNIT	UNIT PRICE	EXTENDED AMOUNT
		CIVIL				
1	C-100-14.1	Contractor Quality Control Program (CQCP) (3%)	1	LS		
2	C-102-5.1	Temporary Air and Water Pollution, Soil Erosion and Siltation Control (1%)	1	LS		
3	C-105-6.1	Mobilization (10%)	1	LS		
4	GTP-50.1	Location of Underground Utilities	1	LS		
5	GTP-60.01.1	Remove & Dispose 8-Inch Cement Asbestos Pipe	250	LF		
6	GTP-60.02.1	Remove & Relocate Existing FAA Survey Marker	1	LS		
7	GTP-60.03.1	8-Inch DIP Waterline	2,523	LF		
8	GTP-60.04.1	1-Inch Air Release Valve	5	EA		
9	GTP-60.05.1	8-Inch Gate Valve, Box & Cover	4	EA		
10	GTP-60.06.1	Riprap (D50 = 6", 12-Inch Depth) underlain w/ Erosion Control Geosynthetic Fabric	240	SY		
11	GTP-60-07.1	22-Inch Steel Pipe Casing, Plug Both Ends (Open Cut)	789	LF		
12	MC-001-9.1	Traffic Control and Airfield Safety and Security (5%)	1	LS		
13	MC-001-9.2	Additional Safety Measures	1	AL	$50,000.00	
14	P-101-5.1	Removal of Existing Concrete Pavement Full Depth (Approx. 7-9 inches) and Stockpile on Site	88,743	SQ.YD		
15	P-101-5.2	Removal of Existing Concrete Pavement Full Depth (Approx. 16 inches) and Stockpile on Site	8,380	SQ.YD		
16	P-101-5.3	Removal of Existing Asphalt Pavement Full Depth (Approx. 20-inches) and Stockpile on Site	57,164	SQ.YD		
17	P-101-5.4	Removal of Miscellaneous Pavement, Variable Depth and stockpile on Site	3,103	SQ.YD		
18	P-101-5.5	Allowance for Unforeseen Demolition	1	AL	$10,000.00	
19	P-101-5.6	Removal Temporary Asphalt	2,010	SQ. YD		
20	P-101-5.7	Removal of Pavement Markings	893	SQ.FT		
21	P-101-5.8	Allowance Joint and Crack Repair	1	AL	$25,000.00	
22	P-101-5.9	Cold Milling	2,032	SQ. YD		
23	P-149-5.1	Building Demolition	43,465	SQ.FT		
24	P-149-5.2	Shade Structure Demolition	810	SQ.FT		
25	P-149-5.3	Former Fire Station Site Removal	1	LS		
26	P-150-5.2	Removal of 24" Storm Drain	367	LF		
27	P-150-5.3	Removal of 36" Storm Drain	121	LF		
28	P-150-5.4	Removal of 54" Storm Drain	277	LF		
29	P-150-5.5	Removal of Catch Basin	4	EA		
30	P-150-5.6	Removal of Sewer Service	601	LF		
31	P-150-5.7	Removal of Water Service	603	LF		
32	P-150-5.8	Removal of Gas Service	687	LF		
33	P-150-5.9	Removal of Abandoned Vault	6	EA		
34	P-150-5.10	Chain Link Fence Removal	655	LF		
35	P-150-5.11	Tree Removal	3	EA		
36	P-150-5.12	Median Barrier Curb Removal	200	LF		
37	P-152-4.1	Unclassified Excavation	152,740	CY		
38	P-152-4.2	Offsite Disposal	129,390	CY		
39	P-152-4.3	Removal/Replacement of Unsuitable/Unstable Subgrade	30,590	CY		
40	P-209-5.1	Aggregate Base Course	37,404	CU. YD		
41	ADOT 303-5.1	Aggregate Base Course, Class 2 (4-inch)	260	CU. YD		
42	ADOT 409-5.1	Asphalt Access Road	441	TON		
43	P-401-8.1	Asphalt Surface Course	14,784	TON		
44	P-401-8.2	Bituminous Shoulder Repair	1	AL	$25,000.00	
45	P-403-8.1	Asphalt Base Course	10,484	TON		
46	P-403-8.2	Asphalt Surface Course (Shoulder Only)	7,666	TON		
47	P-501-8.2	PCC Pavement (7.0 inches)	187	SQ YD		
48	P-501-8.3	PCC Pavement (8.0 inches)	84	SQ YD		
49	P-501-8.7	PCC Pavement - Reinforced (8.0 inches)	212	SQ YD		
50	P-602-5.1	Emulsified Asphalt Prime Coat (Temporary Ascent)	51,200	GAL		
51	P-603-5.1	Emulsified Asphalt Tack Coat	6,003	GAL		
52	P-608-8.1	Asphalt Surface Treatment – 2:1 dilution rate	11,960	SY		
53	P-620-5.1	Permanent Pavement Marking, Reflective	32,305	SQ. FT.		
54	P-620-5.2	Permanent Pavement Marking, Non-Reflective	38,653	SQ. FT.		
55	P-620-5.3	Temporary Pavement Marking	5,661	SQ. FT.		

56	F-162-5.1	8' Chain-Link Fence with Barbed Wire	578	LF		
57	F-162-5.2	Pedestrian Gate	2	EA		
58	F-162-5.3	Vehicle Gate (26')	1	EA		
59	F-162-5.4	Relocate Rolling Gate (158') for Temporary Ascent Taxilane	1	LS		
60	F-162-5.5	Relocate Rolling Gate (158') for Permanent Ascent Taxilane	1	LS		
61	D-701-5.1	18-inch RGRCP Cl. V Storm Drain	600	LF		
62	D-701-5.2	24-inch RGRCP Cl. V Storm Drain	1,160	LF		
63	D-701-5.3	36-inch RGRCP Cl. V Storm Drain	1,208	LF		
64	D-701-5.4	42-inch RGRCP Cl. V Storm Drain	1,146	LF		
65	D-701-5.5	54-inch RGRCP Cl. V Storm Drain	162	LF		
66	D-751-5.1	Catch Basin, ADOT Std Det C-15.80 MOD	6	EA		
67	D-751-5.2	In-Line Catch Basin	2	EA		
68	D-751-5.3	Aircraft Rated Storm Drain Manhole	3	EA		
69	D-751-5.4	Aircraft Rated Storm Drain Manhole Cap	2	EA		
70	D-752-5.1	Prefabricated Concrete End Section	22	EA		
71	T-901-5.1	Seeding	66	Acre		
				CIVIL SUBTOTAL		
		ELECTRICAL				
72	L-100-5.1	Remove and Salvage Existing Edge Light and Isolation Transformer. Demolish Fixture Base	45	EA		
73	L-100-5.2	Excavate and Remove Existing Conduit and Conductor	10,155	LF		
74	L-100-5.3	Remove Existing Conductors Back to Next Adjacent Light Fixture or Handhole, Conduit to Remain.	2,935	LF		
75	L-100-5.4	Remove and Salvage Airfield Guidance Sign and Isolation Transformer. Remove Sign Base.	3	EA		
76	L-100-5.5	Remove and Salvage Airfield Guidance Sign and Isolation Transformer. Sign Base to Remain.	2	EA		
77	L-100-5.6	Temporary Airfield Lighting Cable Jumpers	3,000	LF		
78	L-100-5.7	Remove and Salvage Existing Taxiway/Runway Edge Light and Transformer. Install Temporary Blank Cover on Fixture Base.	20	EA		
79	L-100-5.8	Remove and Salvage Existing Base Can Cover. Demolish Fixture Base.	10	EA		
80	L-100-5.9	Demolish MALSR Fixture Base Can after FAA has Removed Existing MALSR Light Fixture and Isolation Transformer. Provide Storage Container for Salvaged FAA MALSR Equipment.	1	EA		
81	L-100-5.10	Remove and Salvage Existing MALSR Splice Box and Control Cabinet. Remove Existing Concrete Structure.	1	EA		
82	L-100-5.11	Excavate and Remove Existing FAA Concrete Manhole Structure	3	EA		
83	L-100-5.12	3500W, 240VAC Outdoor Rated Portable Generator, Accessories and Connections, Complete for ASOS Temporary Power.	1	EA		
84	L-100-5.13	Remove and Salvage Existing Sign Panels	11	EA		
85	L-100-5.14	Remove and Salvage Existing Runway Guard Light and Isolation Transformer. Demolish Base Can	1	EA		
86	L-108-5.1	L-824, Type C, 2/C #8AWG, 5kV Cable	19,075	LF		
87	L-108-5.2	L-824, Type C, 1/C #8AWG, 5kV Cable	13,695	LF		
88	L-108-5.3	(1) 15KV 1-1/C #2 Cu Type MV 90 Concentric Neutral Cable	2,760	LF		
89	L-108-5.4	#10 AWG Copper Clad Steel Pull Wire (Tensil Strength 400lbs. Min.)	2,760	LF		
90	L-108-5.5	3-1/C #4 , 12 PR #19, #6 GND	460	LF		
91	L-108-5.6	1-#10 3KV Trigger, 1-#12 White Neutral (THWN CU), 2-#12 Black Interlock Switch (THWN CU)	230	LF		
92	L-110-5.1	Single-way (1) - 2" Conduit, Slurry Encased	17,045	LF		
93	L-110-5.2	Single-way (1) - 2" Conduit, Concrete Encased	690	LF		
94	L-110-5.3	Multiple-way (2) - 4" Conduit, Slurry Encased	1,185	LF		
95	L-110-5.4	Multiple-way (2) - 4" Conduit, Concrete Encased	1,925	LF		
96	L-110-5.5	Single-way, (1) - 2" Conduit, Slurry Encased - Retro-fit In Existing Asphalt Shoulder Pavement	185	LF		
97	L-110-5.6	Single-way (1) - 3" Conduit, Concrete Encased	165	LF		
98	L-110-5.7	Single-way (1) - 3" Conduit, Direct Buried	500	LF		
99	L-110-5.8	Multiple-way (2) - 4" Conduit, Directional Bore	295	LF		
100	L-110-5.9	Multiple-way (2) - 4" Conduit, Slurry Encased at 48" BFG	2,115	LF		
101	L-110-5.10	Multiple-way (2) - 4" Conduit, Concrete Encased at 48" BFG	130	LF		
102	L-115-5.1	New Handhole, Prefabricated Concrete 2'x3'x3' with Owner Provided Aircraft Rated Lid, Furnished and Installed	12	EA		
103	L-115-5.2	New FAA Manhole, Type I, Air Craft Rated (5'x5'x3') Furnished and Installed with Aircraft Rated Lid	7	EA		
104	L-115-5.3	Provide and Install Cable Racks and Tag all Existing Circuits in Existing Handhole	1	EA		

105	L-125-5.1	New Elevated L-804(L) LED Runway Guard Light w/ On/Off Switch and Isolation Transformer on New L-867 Base Can	4	EA		
106	L-125-5.2	New In-Pavement L-852D(L) MIRL LED Runway Edge Light (Bi-Directional W/W) and Isolation Transformer on New L-868 Base Can w/ Multi-Hole Adapter Rings	3	EA		
107	L-125-5.3	New Size 3 L-858(L) LED 2-Module Guidance Sign and Isolation Transformer, on New Concrete Sign Base	8	EA		
108	L-125-5.4	New Size 3 L-858(L) LED 3-Module Guidance Sign and Isolation Transformer, on New Concrete Sign Base	9	EA		
109	L-125-5.5	New Size 3 L-858(L) LED 4-Module Guidance Sign and Isolation Transformer, on New Concrete Sign Base	4	EA		
110	L-125-5.6	New Elevated L-861T(L) LED Taxiway Edge Light and Isolation Transformer on New L-867 Base Can	162	EA		
111	L-125-5.7	New Elevated L-861T(L) LED Taxiway Edge Light and Isolation Transformer on New L-867 Base Can - Retrofit in Existing Asphalt	6	EA		
112	L-125-5.8	Elevated L-861T(L) LED Taxiway Edge Light (with Stem and Frangible Coupling) and Isolation Transformer - Spares	12	EA		
113	L-125-5.9	Enlarged Gravel Sump for Base Cans	17	EA		
114	L-125-5.10	New In-Pavement L-852T(L) LED Taxiway Edge Light and Isolation Transformer on New L-868 Base Can	3	EA		
115	L-125-5.11	Install New 15" L-868C Base Can with 2" Extension for Reinstallation (by FAA) of Salvaged MALSR Approach Light. Activities Required for Testing and Commissioning Included.	1	EA		
116	L-125-5.12	Relocate Existing MALSR Splice Box and Control Cabinet to New Concrete Foundation	1	EA		
117	L-125-5.13	Splice New MALSR Light Fixture Power and Trigger Cables in Existing Junction Box	2	EA		
118	L-125-5.14	New Size 3 Sign Panel in Existing Sign	11	EA		
119	L-125-5.15	New Size 3 L-858(L) LED 2-Module Guidance Sign and Isolation Transformer, on New Concrete Base - Retrofit in Existing Asphalt	1	EA		
120	L-125-5.16	New Size 3 L-858(L) LED 8-Module (4-Mod + 4-Mod), Airfield Guidance Sign and Isolation Transformer, on New Concrete Sign Base	3	EA		
121	L-125-5.17	Install Salvaged Runway Guard Light and Isolation Transformer on New L-867 Base Can, Extend Conduit and Conductor from Previous Location.	1	EA		
122	L-125-5.18	New L-867B Base Can with Blank Cover	3	EA		
123	L-125-5.19	New Cast-In-Place Concrete sign Base for Future 2 Module, Size 3 Sign	1	EA		
124	L-125-5.20	L-868 Spacer Rings/Base Can Extension Package	1	LS		
125	Sec 27000-1	Pull String and 24-Strand Single-Mode Armored Fiber Optic Cable	13,225	LF		
126	Sec 27000-2	1" 3 Cell Innerduct	12,750	LF		
				ELECTRICAL SUBTOTAL		
				SCHEDULE I - BASE BID TOTAL		

Bid Schedule I - AIP Additive Alternative # 1						
127	F-165-5.1	EAT Visual Screen	714	LF		
				SCHEDULE I - BID ADDITIVE ALTERNATIVE #1 TOTAL		

BID SCHEDULE II (MCCA) - BASE BID (Arm/De-Arm Pad)

LINE No.	ITEM No.	DESCRIPTION	APPROX. QTY.	UNIT	UNIT PRICE	EXTENDED AMOUNT
1	C-100-14.1	Contractor Quality Control Program (CQCP) (3%)	1	LS		
2	C-102-5.1	Erosion Control (1%)	1	LS		
3	C-105-6.1	Mobilization (10%)	1	LS		
4	GTP-50.1	Location of Underground Utilities	1	LS		
5	MC-001-9.1	Traffic Control and Airfield Safety and Security (5%)	1	LS		
6	02 41 00-01	Asphalt Pavement Demolition and Stockpile on Site	12,910	SQ.YD		
7	02 41 00-02	Removal of Existing Bollard	13	EA		
8	02 41 00-03	Removal of 6"x6" Concrete Curb	948	LF		
9	02 41 00-04	Removal of Existing Cattle Guard Structure	2	EA		
10	02 41 00-05	Removal of Existing Edge Light	27	EA		
11	02 41 00-06	Demolish Existing Concrete Pavement	7,356	SQ.YD		
12	02 41 00-07	Demolish Existing BAK Systems	1	LS		
13	34 73 19-01	Jet Blast Deflector Foundation	321	CU. YD.		
14	26 56 20-1	L-824, Type C, 1/C #8 AWG, 5kV Cable	3,400	LF		
15	26 56 20-8	New Elevated L-861T(L) LED Taxiway Edge Light and Isolation Transformer on New L-867 Base Can	35	EA		
16	32 01 11.51-01	Removal of Pavement Markings	4,304	SQ.FT		
17	32 01 19.61-01	Joint Sealing	7,975	LF		
18	32 01 19.61-02	Sealing for Joint or Crack Repairs	250	LF		
19	32 01 29.61 -01	Partial Depth Patching of Rigid Paving	800	SQ.FT		
20	32 11 20	Aggregate Base Course	650	CU. YD		
21	32 11 23	Aggregate Base Course	509	CU. YD		
22	32 12 13	Emulsified Asphalt Prime Coat	3,427	GAL		
23	32 12 15.13	Shoulder Asphalt Pavement	664	TON		
24	32 13 14.13-01	Concrete Pavement (13 inches)	5,400	SQ. YD.		
25	32 13 14.13-02	Concrete Pavement (13 inches) - Reinforced	451	SQ. YD.		
26	32 13 14.13-03	Replacement of Existing Concrete Pavement (12-inch)	36	SQ. YD		
27	32 17 23-01	Permanent Pavement Marking, Reflective	7,037	SQ.FT		
28	32 17 23-02	Permanent Pavement Marking, Non-Reflective	10,509	SQ.FT		
29	33 71 02-1	Single-way (1) - 2" Conduit, Slurry Encased	2,500	LF		
30	ADOT 303-5.1	Aggregate Base Course, Class 2	805	CU. YD		
31	ADOT 409-5.1	Asphalt Access Road	1,574	TON		
32	F-162-5.1	8' Chain-Link Fence with Barbed Wire	717	LF		
33	F-162-5.2	Pedestrian Gate	1	EA		
34	P-101-5.9	Cold Milling	32	SQ. YD		
35	P-150-5.1	Removal of 8" Storm Drain	159	LF		
36	P-150-5.10	Removal of Chain Link Fence	731	LF		
37	31 00 00 - 01	Unclassified Excavation	9790	CU.YD		
38	31 00 00 - 02	Offsite Disposal	6,600	CU.YD		
39	31 00 00 - 03	Removal/Replacement of Unsuitable/Unstable Subgrade	1,960	CU.YD		
40	P-209-5.1	Aggregate Base Course	1,888	CU. YD		
41	P-401-8.1	Asphalt Surface Course	724	TON		
42	P-403-8.1	Asphalt Base Course	905	TON		
43	P-403-8.2	Asphalt Surface Course (Shoulder Only)	316	TON		
44	P-501-8.4	PCC Pavement (13.0 inches)	40	SQ. YD.		
45	P-501-8.5	PCC Pavement (14.5 inches)	94	SQ. YD.		
46	P-501-8.6	PCC Pavement (16.5 inches)	102	SQ. YD.		
47	P-501-8.8	PCC Pavement - Reinforced (13.0 inches)	11	SQ. YD.		
48	P-501-8.9	PCC Pavement - Reinforced (14.5 inches)	16	SQ. YD.		
49	P-501-8.10	PCC Pavement - Reinforced (16.5 inches)	19	SQ. YD.		
50	P-602-5.1	Emulsified Asphalt Prime Coat	4,107	GAL		
51	P-603-5.1	Emulsified Asphalt Tack Coat	500	GAL		
52	P-605-5.1	Joint Sealing Filler	1,843	LF		
53	P-620-5.1	Permanent Pavement Marking, Reflective	3,157	SQ. FT		
54	P-620-5.2	Permanent Pavement Marking, Non-Reflective	1,884	SQ. FT		
55	T-901-5.1	Seeding	6	Acre		
				SUBTOTAL ARM/DE-ARM PAD		
				SCHEDULE II - MCCA BASE BID ARM / DE-ARM PAD TOTAL		

BID SCHEDULE II (MCCA) - BASE BID (BAK 14 INFRASTRUCTURE)

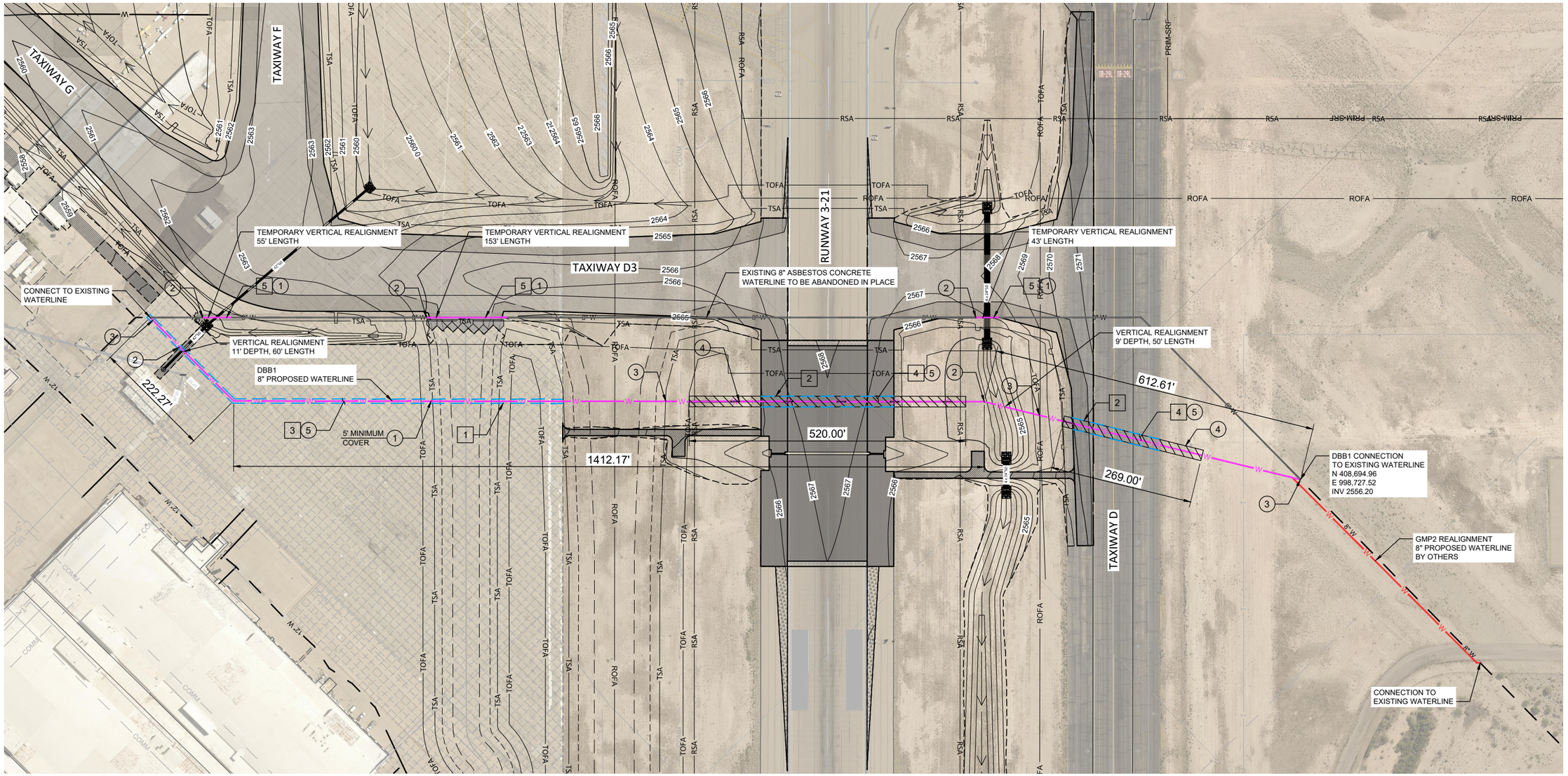
56	C-100-14.1	Contractor Quality Control Program (CQCP) (3%)	1	LS		
57	C-102-5.1	Erosion Control (1%)	1	LS		
58	C-105-6.1	Mobilization (10%)	1	LS		
59	GTP-50.1	Location of Underground Utilities	1	LS		
60	MC-001-9.1	Traffic Control and Airfield Safety and Security (5%)	1	LS		
61	26 05 00.00 40-1	Safety Switch 100A Rated, 600V, including FRN-R-70 Fuses	1	EA		
62	26 05 00.00 40-2	Stepdown Transformer, 15kVA, 480V-208Y/120V	1	EA		
63	26 05 00.00 40-3	Install lighting conduit and cable	1	LS		
64	26 05 00.00 40-4	Install receptacles, conduit and cable	1	LS		
65	26 05 00.00 40-5	Install power distribution conduit and cable	1	LS		
66	26 05 00.00 40-6	Install New 480V, 3 phase metered section with service disconnect (braced at 14KAIC, Nema 3R) and grounding	1	EA		
67	26 05 00.00 40-7	Portable generator for shut down at TEP Connection for the BAK	1	AL	$6,000.00	
68	02 41 00-05	Removal of Existing Edge Light	6	EA		
69	26 51 00-1	Wall Mounted LED Fixture, 4' Length	6	EA		
70	26 51 00-2	Wall Mounted LED Fixture, 2' Length	4	EA		
71	26 52 00.00 40-1	Wall Mounted Emergency Light	2	EA		
72	26 56 20-2	L-824, Type C, 2/C #8 AWG, 5kV Cable	200	LF		
73	26 56 20-3	3-1/C #250kcmil, 600V, XHHW-2, #1/0 GND	2600	LF		
74	26 56 20-4	L-810(L) Dual, LED, Obstruction Light	2	EA		
75	26 56 20-5	New In-Pavement L-852D(L) LED Runway Edge and Isolation Transformer on New L-868 Base Can w/ Multi-Hole Adapter Rings	4	EA		
76	26 56 20-6	New In-Pavement L-852D(L) LED Runway Edge and Isolation Transformer on New L-868 Base Can w/ Multi-Hole Adapter Rings - Retrofit in Existing Asphalt	6	EA		
77	26 56 20-7	New In-Pavement L-852T(L) LED Taxiway Edge and Isolation Transformer on New L-868 Base Can w/ Multi-Hole Adapter Rings - Retrofit in Existing Asphalt	1	EA		
78	26 56 20-9	New Elevated L-861T(L) LED Taxiway Edge Light and Isolation Transformer on New L-867 Base Can - Retrofit in Existing Asphalt	1	EA		
79	26 56 20-10	New Size 4 L-858T(L) LED 1-Module Arresting Gear Marker Sign and Isolation Transformer, on New Concrete Base	2	EA		
80	33 05 23.13-1	Multiple - way, (2)-3" Conduit, Directional Bore	730	LF		
81	33 71 02-1	Single-way (1) - 2" Conduit, Slurry Encased	800	LF		
82	33 71 02-2	Single-way, (1)-2" Conduit, Concrete Encased	675	LF		
83	33 71 02-3	Single-way, (1)-2" Conduit, Slurry Encased - Retro-fit in Existing Asphalt Shoulder Pavement	800	LF		
84	33 71 02-4	Multiple-way, (2)-3" Conduit, Slurry Encased	1670	LF		
85	33 71 02-5	Multiple-way, (1)-2" Conduit, (1)-4" Conduit, Slurry Encased	250	LF		
86	33 71 02-6	New Handhole, Prefabricated Concrete 2'x3'x3' Aircraft Rated, Furnished and Installed with Aircraft Rated Lid	7	EA		
87	33 71 02-7	Multiple-way, (2)-4" Conduit, Slurry Encased	190	LF		
88	33 71 02-8	Multiple-way, (2)-4" Conduit, Concrete Encased	360	LF		
89	33 71 02-9	TEP Utility Service Coordination	1	LS		
90	34 70 20-01	BAK-12/14M System Installation	1	LS		
91	P-101-5.2	Removal Existing Asphalt Pavement Full Depth (Approx. 7 inches) and Stockpile on Site	4729	SQ.YD		
92	P-101-5.3	Remove Existing Asphalt Pavement Full Depth (Approx. 20-inch) and Stockpile on Site	8176	SQ.YD		
93	P-101-5.8	Allowance for Joint and Crack Repair	1	AL	$10,000.00	
94	P-101-5.9	Cold Milling	1092	SQ.YD		
95	P-152-4.1	Unclassified Excavation	720	CU. YD.		
96	P-152-4.3	Removal/Replacement of Unsuitable/Unstable Subgrade	150	CU. YD.		
97	P-209-5.1	Aggregate Base Course	2734	CU. YD		
98	P-401-8.1	Asphalt Surface Course	73	TON		
99	P-401-8.2	Bituminous Shoulder Repair	1	AL	$32,000.00	
100	P-403-8.1	Asphalt Base Course	1903	TON		
101	P-403-8.2	Asphalt Surface Course (Shoulder Only)	974	TON		
102	P-501-8.1	Full Strength Runway Pavement - PCC (15.5-inch)	6669	SQ. YD		

103	P-602-5.1	Emulsified Asphalt Prime Coat	5739	GAL		
104	P-603-5.1	Emulsified Asphalt Tack Coat	596	GAL		
105	P-605-5.1	Joint Sealing Filler	6900	LF		
106	P-620-5.1	Permanent Pavement Marking, Reflective	3741	SQ. FT.		
107	P-620-5.2	Permanent Pavement Marking, Non-Reflective	1143	SQ. FT.		
108	P-621-5.1	Sawcut Grooves	5447	SQ. YD		
109	T-901-5.1	Seeding	3	Acre		
SUBTOTAL BAK 14 INFRASTRUCTURE						
SCHEDULE II - MCCA BASE BID BAK 14 INFRASTRUCTURE TOTAL						

Bid Schedule II - MCCA Additive Alternative # 1 - Jet Blast Wall						
110	C-100-14.1	Contractor Quality Control Program (CQCP) (3%)	1	LS		
111	34 73 19-02	Jet Blast Deflector	892	LF		
		SCHEDULE II - MCCA BID ADDITIVE ALTERNATIVE #1 TOTAL				

Bid Schedule II - MCCA Additive Alternative # 2 - Gate B						
112	C-100-14.1	Contractor Quality Control Program (CQCP) (3%)	1	LS		
113	C-102-5.1	Erosion Control (1%)	1	LS		
114	C-105-6.1	Mobilization (10%)	1	LS		
115	GTP-50.1	Location of Underground Utilities	1	LS		
116	MC-001-9.1	Traffic Control and Airfield Safety and Security (5%)	1	LS		
117	02 41 00-01	Asphalt Pavement Demolition and Stockpile on Site	5435	SQ.YD		
118	26 56 20-1	L-824, Type C, 1/C #8 AWG, 5kV Cable	600	LF		
119	26 56 20-2	L-824, Type C, 2/C #8 AWG, 5kV Cable	160	LF		
120	26 56 20-8	New Elevated L-861T(L) LED Taxiway Edge Light and Isolation Transformer on New L-867 Base Can	15	EA		
121	26 56 20-11	New In-Pavement L-852T(L) LED Taxiway Edge and Isolation Transformer on New L-868 Base Can w/ Multi-Hole Adapter Rings	2	EA		
122	32 01 11.51-01	Removal of Pavement Markings	241	SQ.FT		
123	32 01 19.61-01	Joint Sealing	2322	LF		
124	32 11 20	Aggregate Base Course	191	CU. YD		
125	32 11 23	Aggregate Base Course	125	CU. YD		
126	32 12 13	Emulsified Asphalt Prime Coat	1882	GAL		
127	32 13 14.13-01	Concrete Pavement (13-inch)	1211	SQ. YD.		
128	32 13 14.13-02	Concrete Pavement (13-inch) - Reinforced	505	SQ. YD.		
129	32 12 15.13	Shoulder Asphalt	163	TON		
130	33 71 02-1	Single-way, (1)-2" Conduit, Slurry Encased	490	LF		
131	33 71 02-2	Single-way, (1)-2" Conduit, Concrete Encased	145	LF		
132	33 71 02-3	Single-way, (1)-2" Conduit, Slurry Encased - Retro-fit in Existing Asphalt Shoulder Pavement	120	LF		
133	ADOT 409-5.1	Asphalt Access Road	536	TON		
134	ADOT 303-5.1	Aggregate Base Course, Class 2	274	CU. YD		
135	31 00 00 - 01	Unclassified Excavation	160	CU. YD		
136	31 00 00 - 03	Removal/Replacement of Unsuitable/Unstable Subgrade	40	CU. YD		
137	P-209-5.1	Aggregate Base Course	183	CU. YD		
138	P-403-8.2	Asphalt Surface Course (Shoulder Only)	119	TON		
139	P-620-5.1	Permanent Pavement Marking, Reflective	2007	SQ. FT.		
140	P-620-5.2	Permanent Pavement Marking, Non-Reflective	2652	SQ. FT.		
		SCHEDULE II - MCCA BID ADDITIVE ALTERNATIVE #2 TOTAL				

Bid Schedule II - MCCA Additive Alternative #3 - BAK 14 ACCESS ROADS						
141	C-100-14.1	Contractor Quality Control Program (CQCP) (3%)	1	LS		
142	C-102-5.1	Erosion Control (1%)	1	LS		
143	ADOT 303-5.1	Roadway Aggregate Base Course	132	CU. YD		
144	ADOT 409-5.1	Roadway Asphaltic Concrete	258	TON		
145	P-602-5.1	Emulsified Asphalt Prime Coat	593	GAL		
146	P-620-5.1	Roadway Pavement Marking	72	SQ. FT.		
		SCHEDULE II - MCCA BID ADDITIVE ALTERNATIVE #3 TOTAL				



REMOVAL NOTES			CONSTRUCTION NOTES		
1	4' SAWCUT PCCP (WEST RAMP)	1,691 LF	1	8" WATER LINE	2,523 LF
2	5' SAWCUT AC PAVEMENT (RUNWAY 3-21 & TAXIWAY D)	835 LF	2	1" ARV PER SD-330	5 EA
3	PCCP REMOVAL	375 SY	3	8" GATE VALVE PER SD-300	4 EA
4	AC PAVEMENT REMOVAL	232 SY	4	22" STEEL CASING PIPE	789 LF
5	REMOVE & DISPOSE 8-INCH CEMENT ASBESTOS PIPE	250 LF	5	AC PAVEMENT REPLACEMENT	607 SY

TRUE NORTH

0 100' 200' 300'

SCALE IN FEET

Contact Arizona811 at least two full working days before you begin excavation.
ARIZONA811
Call 811 or click Arizona811.com

PLANS PREPARED BY: DIBBLE Jacobs

PRELIMINARY
NOT FOR
CONSTRUCTION

NO.	REVISIONS / SUBMISSIONS	DATE
1	ISSUED FOR BID ADDENDUM 3	03/29/21
		04/27/21

TUCSON AIRPORT AUTHORITY

DBB1 - END AROUND TAXIWAY

DESIGNED BY: DHD
DRAWN BY: DSO
CHECKED BY: RWT
DATE: 04/22/21
SCALE: AS SHOWN
TAA PROJ# 10119102

SHEET OVERVIEW TITLE

WATERLINE REALIGNMENT

SHEET REFERENCE NUMBER:

EXHIBIT 1

SHEET 1 OF 1