



A WOOLPERT COMPANY

April 6, 2023

To: Plan Holders for Improvements to the
St. George Regional Airport
St. George, Utah
AIP Project No. 3-49-0060-045-2023, Inquiry #23-116

Transmitted herewith is Addendum No. 2 to the Issued for Bid Contract Documents, Specifications and Plans dated March 2, 2023, for Improvements to the St. George Regional Airport.

Schedule I (Federal)
Reconstruct Terminal Apron

Schedule II (Federal)
Expand Terminal Apron – North

Schedule III (Federal)
Expand Terminal Apron – South

Schedule IV (Non-Federal)
Reconstruct Terminal Apron

Sincerely,

Jviation, a Woolpert Company

Kirt McDaniel, P.E.
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**ADDENDUM NO. 2
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
ST. GEORGE REGIONAL AIRPORT
ST. GEORGE, UTAH
AIP PROJECT NO. 3-49-0060-045-2023, INQUIRY #23-116**

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of April 6, 2023:

1. CONTRACT DOCUMENTS/SPECIFICATIONS

Division 2, Bid Schedule I, II, and III

Replace Bid Schedule I, II and III with the attached Bid Schedule I, II and III.

Items L-108a, L-110b, L-110c, L-125a, L-125b, L-125e, L-125f were changed.

Division 6, Construction Safety and Phasing Plan, Item 2, Phasing, A. Phase Elements, I. Phase 1, paragraph 4:

Replace the third sentence with the following:

“The excavation will be stepped back to the existing grade at the slope shown in the plans.”

The updated Division 6 will be included with the Issued for Construction documents.

Division 6, Construction Safety and Phasing Plan, Item 2, Phasing, A. Phase Elements, I. Phase 1, paragraph 8:

Replace with the following:

“Because of the swelling potential of the native clays, the contractor shall take necessary measures to ensure that the native clays at the bottom of the cut are not exposed to water. This means that moisture treating the clay for reuse in the embankment will not be allowed at the bottom of the cut area. However, the clay may be processed in areas that haven’t been excavated to the subgrade elevation as coordinated with/approved by the RPR. In addition, the contractor shall have pumps available to remove water within the cut area as quickly as possible in the event of a rainstorm.”

The updated Division 6, Construction Safety and Phasing Plan, will be included with the Issued for Construction documents.

Division 6, Construction Safety and Phasing Plan, Item 2, Phasing, A. Phase Elements, II. Phase 1, paragraph 4:

Replace the third sentence with the following:

“The excavation will be stepped back to the existing grade at the slope shown in the plans.”

The updated Division 6 will be included with the Issued for Construction documents.

Division 6, Construction Safety and Phasing Plan, Item 2, Phasing, A. Phase Elements, II. Phase 1, paragraph 8:

Replace with the following:

“Because of the swelling potential of the native clays, the contractor shall take necessary measures to ensure that the native clays at the bottom of the cut are not exposed to water. This means that moisture treating the clay for reuse in the embankment will not be allowed at the bottom of the cut area. However, the clay may be processed in areas that haven’t been excavated to the subgrade elevation as coordinated with/approved by the RPR. In addition, the contractor shall have pumps available to remove water within the cut area as quickly as possible in the event of a rainstorm.”

The updated Division 6, Construction Safety and Phasing Plan, will be included with the Issued for Construction documents.

2. PLANS

Sheet G002A, Index of Drawings and Summary of Approximate Quantities:

Changes were made to the Summary of Approximate Quantities table. Items L-108a, L-110b, L-110c, L-125a, L-125b, L-125e, L-125f were changed.

Replace Sheet G002A with the attached G002A, Index of Drawings Summary of Approximate Quantities.

Sheet G002B

Earthwork Volume Table Based on Phasing, Pavement Area Suitable Material, Material Comment(s), Second Material Comment:

Change the comment to the following:

“THE FILL REQUIRED FOR PHASE 1 SUITABLE EMBANKMENT WILL BE TAKEN FROM THE SOUTH AND NORTH BORROW AREAS WITHOUT ADDITIONAL PAYMENT. SEE SHEET C320.”

Earthwork Volume Table Based on Phasing, Pavement Area Clay, Material Comment(s), Second Material Comment:

Change the comment to the following:

“Excavated clay not required for the section shall be wasted in the south waste area first. Approximately 10,000 cubic yards may be wasted in the south waste area. The remainder shall

be hauled to the north waste area. See Sheets C310 and C311. Additional payment will not be made for wasting this material.”

Earthwork Volume Table Based on Schedules:

Make the following change to the Plan Quantity column:

Change to **BID QUANTITY**.

The revised Sheet G002B will be included with the Issued for Construction plans.

Sheet C310, Grading Plan, South Waste Area:

Change the Grading Slopes to following:

“3:1”

The revised Sheet C310 will be included with the Issued for Construction plans.

Sheet E200, Electrical Geometry Plan:

Replace Sheet E200 with the attached E200, Electrical Geometry Plan.

Sheet E250, Electrical Details:

Replace Sheet E250 with the attached E250, Electrical Details.

Sheet E251, Electrical Details:

Replace Sheet E251 with the attached E251, Electrical Details.

Sheet E252, Electrical Details:

Replace Sheet E252 with the attached E252, Electrical Details.

3. QUESTIONS

Per spec P152, earthwork items are to be paid by the measured cubic yard. However, sheet G002B refers to these bid schedule quantities as "Plan Quantities". Please confirm the payment method for these items will be paid on actual measured quantities.

Answer: The Plan Quantity will be changed to “Bid Quantity”, see Item 2 above. All payments are based on installed quantities.

There are separate pay items for clay embankment and suitable embankment. To reduce both owner & contractor risk, we propose also adding another separate pay item for clay excavation. This is currently combined suitable excavation under one pay item "Unclassified Excavation". These items have 2 separate costs for haul locations and unknown quantities.

Answer: See Sheet G002B, Earthwork Volume Table Based on Phasing, for estimated suitable material excavation and clay excavation quantities. No clay excavation bid item will be added.

We request approval to substitute ACI Concrete Transportation Construction Inspector Certification for NICET Level IV.

Answer: See page Division 4-52, C-100-03.b, last paragraph.

Can an additional 2 acres be provided adjacent to the "Contractor staging and material storage area" because of the spec requirement for moisture conditioning of clay outside of the excavation? This additional area will be required on the north and south of the "Green" shown on Sht 15.

Answer: See item 1 above for changes to the CSPP. We are coordinating now with FAA to expand the staging areas and are fairly confident that the additional areas will be cleared, but that will most likely not happen until after the bid.

Can onsite crushed concrete be utilized for the P-154a?

Answer: See P-154-2.1.1 Materials – Unstabilized Permeable Subbase Course.

Can an excel format of the bid form be provided?

Answer: No.

Is there a height limit for temporary stockpiles of suitable embankment or conditioned clay materials in the staging areas?

Answer: The maximum height of temporary material piles is 40 feet above the existing ground.

Please confirm the compaction test method for the conditioned clay is ASTM D698.

Answer: The conditioned clay will be tested for compaction per ASTM D 698. See Item P-152-2.8, paragraph 10.

**** END OF ADDENDUM NO. 2 ****

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-105a	Mobilization (10% Maximum)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-102a	Temporary Erosion Control	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101a	Full Depth Asphalt Removal	at the unit price of: _____ dollars and _____ cents.	SY	1,800	\$	\$
P-101b	Partial Depth Asphalt Removal	at the unit price of: _____ dollars and _____ cents.	SY	1,200	\$	\$
P-101c	Full Depth Concrete Removal	at the unit price of: _____ dollars and _____ cents.	SY	15,100	\$	\$
P-101d	Pipe Removal	at the unit price of: _____ dollars and _____ cents.	LF	490	\$	\$
P-101e	Catch Basin Removal	at the unit price of: _____ dollars and _____ cents.	EA	6	\$	\$
P-152a	Unclassified Excavation	at the unit price of: _____ dollars and _____ cents.	CY	96,000	\$	\$
P-152b	Conditioned Clay Embankment	at the unit price of: _____ dollars and _____ cents.	CY	27,500	\$	\$
P-152c	On-site Suitable Embankment	at the unit price of: _____ dollars and _____ cents.	CY	49,900	\$	\$
P-154a	Unstabilized Permeable Subbase Course	at the unit price of: _____ dollars and _____ cents.	CY	3,300	\$	\$
P-154b	Class 2, Non-Woven Subsurface Drainage Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	17,500	\$	\$
P-154c	Class 1, Non-Woven Separation Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	36,000	\$	\$
P-154d	40 Mil LLDPE Geomembrane	at the unit price of: _____ dollars and _____ cents.	SY	18,000	\$	\$

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
P-209a	Crushed Aggregate Base Course	at the unit price of: _____ _____dollars and _____cents.	CY	3,200	\$	\$
P-401a	Asphalt Surface Course	at the unit price of: _____ _____dollars and _____cents.	TON	700	\$	\$
P-403a	Asphalt Mixture Base Course	at the unit price of: _____ _____dollars and _____cents.	TON	5,200	\$	\$
P-501a	Concrete Pavement, 15-Inch	at the unit price of: _____ _____dollars and _____cents.	SY	14,250	\$	\$
P-501b	Concrete Pavement, 8-Inch	at the unit price of: _____ _____dollars and _____cents.	SY	700	\$	\$
P-501b	Bond Breaker Fabric	at the unit price of: _____ _____dollars and _____cents.	SY	14,300	\$	\$
P-603a	Emulsified Asphalt Tack Coat	at the unit price of: _____ _____dollars and _____cents.	TON	9	\$	\$
P-620a	Temporary Pavement Markings	at the unit price of: _____ _____dollars and _____cents.	SF	12,100	\$	\$
P-620b	Permanent Pavement Markings	at the unit price of: _____ _____dollars and _____cents.	SF	12,100	\$	\$
P-620c	SIDA Area Markings	at the unit price of: _____ _____dollars and _____cents.	SF	1,900	\$	\$
P-620d	Painted Surface Sign	at the unit price of: _____ _____dollars and _____cents.	EA	12	\$	\$
P-620e	Pavement Marking Obliteration	at the unit price of: _____ _____dollars and _____cents.	SF	500	\$	\$
D-701a	24-Inch HDPE Storm Drain Pipe, DR 32.5	at the unit price of: _____ _____dollars and _____cents.	LF	390	\$	\$
D-701c	12-Inch HDPE Storm Drain Pipe, DR 32.5	at the unit price of: _____ _____dollars and _____cents.	LF	530	\$	\$
D-701d	8-Inch HDPE Storm Drain Pipe, DR 32.5	at the unit price of: _____ _____dollars and _____cents.	LF	40	\$	\$

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
D-701e	6-Inch Outlet Pipe	at the unit price of: _____ _____dollars and _____cents.	LF	420	\$	\$
D-705a	6-Inch Underdrain	at the unit price of: _____ _____dollars and _____cents.	LF	1,200	\$	\$
D-751a	Underdrain Cleanout	at the unit price of: _____ _____dollars and _____cents.	EA	3	\$	\$
D-751b	Storm Drain Box, Airport Loading	at the unit price of: _____ _____dollars and _____cents.	EA	3	\$	\$
D-751c	2-Foot x 2-Foot Storm Drain Box, Highway Loading	at the unit price of: _____ _____dollars and _____cents.	EA	2	\$	\$
D-751e	Relocate Existng Storm Drain Box	at the unit price of: _____ _____dollars and _____cents.	EA	2	\$	\$
F-162a	Temporary Construction Fence	at the unit price of: _____ _____dollars and _____cents.	LF	360	\$	\$
F-162b	Install 7-Foot Chain-Link Fence	at the unit price of: _____ _____dollars and _____cents.	LF	350	\$	\$
L-125e	Install L-853 Surface Mounted Retroreflective Marker, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	10	\$	\$
L-125j	Install LED Apron Light Fixtures (3 Total per Pole) on Existing Apron Flood Light Pole	at the unit price of: _____ _____dollars and _____cents.	EA	4	\$	\$
L-125k	Install Power Wiring for Sponsor Installed Equipment	at the unit price of: _____ _____dollars and _____cents.	LS	2	\$	\$
L-125l	Relocate/Re-install Stop/Informational Sign	at the unit price of: _____ _____dollars and _____cents.	EA	2	\$	\$

SCHEDULE I TOTAL \$ _____

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SCHEDULE II						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-105a	Mobilization (10% Maximum)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-102a	Temporary Erosion Control	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101a	Full Depth Asphalt Removal	at the unit price of: _____ dollars and _____ cents.	SY	5,100	\$	\$
P-101c	Full Depth Concrete Removal	at the unit price of: _____ dollars and _____ cents.	SY	200	\$	\$
P-101d	Pipe Removal	at the unit price of: _____ dollars and _____ cents.	LF	120	\$	\$
P-101e	Catch Basin Removal	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
P-152a	Unclassified Excavation	at the unit price of: _____ dollars and _____ cents.	CY	82,300	\$	\$
P-152b	Conditioned Clay Embankment	at the unit price of: _____ dollars and _____ cents.	CY	26,300	\$	\$
P-152c	On-site Suitable Embankment	at the unit price of: _____ dollars and _____ cents.	CY	49,600	\$	\$
P-154a	Unstabilized Permeable Subbase Course	at the unit price of: _____ dollars and _____ cents.	CY	3,100	\$	\$
P-154b	Class 2, Non-Woven Subsurface Drainage Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	16,600	\$	\$
P-154c	Class 1, Non-Woven Separation Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	34,800	\$	\$
P-154d	40 Mil LLDPE Geomembrane	at the unit price of: _____ dollars and _____ cents.	SY	17,400	\$	\$
P-209a	Crushed Aggregate Base Course	at the unit price of: _____ dollars and _____ cents.	CY	3,300	\$	\$

SCHEDULE II						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
P-401a	Asphalt Surface Course	at the unit price of: _____ dollars and _____ cents.	TON	1,500	\$	\$
P-403a	Asphalt Mixture Base Course	at the unit price of: _____ dollars and _____ cents.	TON	4,800	\$	\$
P-501a	Concrete Pavement, 15-Inch	at the unit price of: _____ dollars and _____ cents.	SY	10,900	\$	\$
P-501b	Bond Breaker Fabric	at the unit price of: _____ dollars and _____ cents.	SY	10,950	\$	\$
P-603a	Emulsified Asphalt Tack Coat	at the unit price of: _____ dollars and _____ cents.	TON	11	\$	\$
P-620a	Temporary Pavement Markings	at the unit price of: _____ dollars and _____ cents.	SF	6,100	\$	\$
P-620b	Permanent Pavement Markings	at the unit price of: _____ dollars and _____ cents.	SF	3,600	\$	\$
P-620c	SIDA Area Markings	at the unit price of: _____ dollars and _____ cents.	SF	3,100	\$	\$
P-620d	Painted Surface Sign	at the unit price of: _____ dollars and _____ cents.	EA	21	\$	\$
P-620e	Pavement Marking Obliteration	at the unit price of: _____ dollars and _____ cents.	SF	2,500	\$	\$
D-701a	24-Inch HDPE Storm Drain Pipe, DR 32.5	at the unit price of: _____ dollars and _____ cents.	LF	420	\$	\$
D-701b	18-Inch HDPE Storm Drain Pipe, DR 32.5	at the unit price of: _____ dollars and _____ cents.	LF	270	\$	\$
D-701d	8-Inch HDPE Storm Drain Pipe, DR 32.5	at the unit price of: _____ dollars and _____ cents.	LF	90	\$	\$
D-701e	6-Inch Outlet Pipe	at the unit price of: _____ dollars and _____ cents.	LF	180	\$	\$
D-701f	Loose Riprap, 9-inch D50	at the unit price of: _____ dollars and _____ cents.	SY	20	\$	\$

SCHEDULE II						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
D-705a	6-Inch Underdrain	at the unit price of: _____ _____dollars and _____cents.	LF	1,320	\$	\$
D-751a	Underdrain Cleanout	at the unit price of: _____ _____dollars and _____cents.	EA	5	\$	\$
D-751b	Storm Drain Box, Airport Loading	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
D-751c	2-Foot x 2-Foot Storm Drain Box, Highway Loading	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
D-751d	3-Foot x 3-Foot Storm Drain Box, Highway Loading	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
L-108a	Install #8 AWG, L-824C, 5000V Wire	at the unit price of: _____ _____dollars and _____cents.	LF	1,500	\$	\$
L-108b	Install #6 AWG, Bare Copper Counterpoise	at the unit price of: _____ _____dollars and _____cents.	LF	1,000	\$	\$
L-108c	Install #10AWG, XHHW, 600V Wire	at the unit price of: _____ _____dollars and _____cents.	LF	2,000	\$	\$
L-110a	Install 1-2" PVC Conduit (Direct Earth Buried)	at the unit price of: _____ _____dollars and _____cents.	LF	900	\$	\$
L-110b	Install 1-2" PVC Conduit (Concrete Encased)	at the unit price of: _____ _____dollars and _____cents.	LF	50	\$	\$
L-110c	Install 4-2" PVC Conduit (Concrete Encased)	at the unit price of: _____ _____dollars and _____cents.	LF	100	\$	\$
L-115a	Remove Junction Box Plaza, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
L-115b	Reinstall Junction Box Plaza, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
L-115c	Install Handhole, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	4	\$	\$
L-125a	Remove Taxiway Light in Pavement, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	7	\$	\$

SCHEDULE II						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
L-125b	Remove Taxiway Light and Install Blank Steel Cover	at the unit price of: _____ _____dollars and _____cents.	EA	2	\$	\$
L-125c	Reinstall Base Mounted L-861T(L) Taxiway Edge Light in Pavement, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	4	\$	\$
L-125d	Reinstall Base Mounted L-861T(L) Taxiway Edge Light in Existing Pavement, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	6	\$	\$
L-125e	Install L-853 Surface Mounted Retroreflective Marker, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	0	\$	\$
L-125f	Remove L-858 Guidance Sign in Soil, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	2	\$	\$
L-125g	Reinstall L-858 Guidance Sign on New Concrete Pad in Soil, Size 2, 2 Module, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
L-125h	Reinstall L-858 Guidance Sign on New Concrete Pad in Soil, Size 2, 3 Module, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
L-125i	Install New 60' Apron Flood Light Pole with LED Lumineers, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	3	\$	\$
L-125l	Relocate/Re-install Stop/Informational Sign	at the unit price of: _____ _____dollars and _____cents.	EA	2	\$	\$

SCHEDULE II TOTAL \$ _____

SCHEDULE III						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-105a	Mobilization (10% Maximum)	at the unit price of: _____ _____dollars and _____cents.	LS	1	\$	\$
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ _____dollars and _____cents.	LS	1	\$	\$
C-102a	Temporary Erosion Control	at the unit price of: _____ _____dollars and _____cents.	LS	1	\$	\$
P-101a	Full Depth Asphalt Removal	at the unit price of: _____ _____dollars and _____cents.	SY	5,600	\$	\$
P-101d	Pipe Removal	at the unit price of: _____ _____dollars and _____cents.	LF	640	\$	\$
P-101e	Catch Basin Removal	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
P-152a	Unclassified Excavation	at the unit price of: _____ _____dollars and _____cents.	CY	35,300	\$	\$
P-152b	Conditioned Clay Embankment	at the unit price of: _____ _____dollars and _____cents.	CY	8,100	\$	\$
P-152c	On-site Suitable Embankment	at the unit price of: _____ _____dollars and _____cents.	CY	16,000	\$	\$
P-154a	Unstabilized Permeable Subbase Course	at the unit price of: _____ _____dollars and _____cents.	CY	900	\$	\$
P-154b	Class 2, Non-Woven Subsurface Drainage Geotextile	at the unit price of: _____ _____dollars and _____cents.	SY	4,900	\$	\$
P-154c	Class 1, Non-Woven Separation Geotextile	at the unit price of: _____ _____dollars and _____cents.	SY	11,300	\$	\$
P-154d	40 Mil LLDPE Geomembrane	at the unit price of: _____ _____dollars and _____cents.	SY	5,700	\$	\$
P-209a	Crushed Aggregate Base Course	at the unit price of: _____ _____dollars and _____cents.	CY	1,600	\$	\$
P-401a	Asphalt Surface Course	at the unit price of: _____ _____dollars and _____cents.	TON	900	\$	\$

SCHEDULE III						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
P-403a	Asphalt Mixture Base Course	at the unit price of: _____ _____dollars and _____cents.	TON	1,150	\$	\$
P-501a	Concrete Pavement, 15-Inch	at the unit price of: _____ _____dollars and _____cents.	SY	2,900	\$	\$
P-501b	Concrete Pavement, 8-Inch	at the unit price of: _____ _____dollars and _____cents.	SY	250	\$	\$
P-501b	Bond Breaker Fabric	at the unit price of: _____ _____dollars and _____cents.	SY	2,950	\$	\$
P-603a	Emulsified Asphalt Tack Coat	at the unit price of: _____ _____dollars and _____cents.	TON	4	\$	\$
D-701a	24-Inch HDPE Storm Drain Pipe, DR 32.5	at the unit price of: _____ _____dollars and _____cents.	LF	120	\$	\$
D-705a	6-Inch Underdrain	at the unit price of: _____ _____dollars and _____cents.	LF	700	\$	\$
D-751a	Underdrain Cleanout	at the unit price of: _____ _____dollars and _____cents.	EA	5	\$	\$
D-751b	Storm Drain Box, Airport Loading	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
D-751d	3-Foot x 3-Foot Storm Drain Box, Highway Loading	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$
L-108a	Install #8 AWG, L-824C, 5000V Wire	at the unit price of: _____ _____dollars and _____cents.	LF	400	\$	\$
L-108b	Install #6 AWG, Bare Copper Counterpoise	at the unit price of: _____ _____dollars and _____cents.	LF	100	\$	\$
L-110a	Install 1-2" PVC Conduit (Direct Earth Buried)	at the unit price of: _____ _____dollars and _____cents.	LF	100	\$	\$
L-110b	Install 1-2" PVC Conduit (Concrete Encased)	at the unit price of: _____ _____dollars and _____cents.	LF	0	\$	\$
L-125c	Reinstall Base Mounted L-861T(L) Taxiway Edge Light in Pavement, Complete	at the unit price of: _____ _____dollars and _____cents.	EA	1	\$	\$

SCHEDULE III						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
L-125g	Reinstall L-858 Guidance Sign on New Concrete Pad in Soil, Size 2, 2 Module, Complete	at the unit price of: _____dollars and _____cents.	EA	1	\$	\$

SCHEDULE III TOTAL \$ _____

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25	C220	PAVEMENT DETAILS
26	C221	PAVEMENT DETAILS & SECTION A-A
27	C222	CONCRETE APRON - SECTION B-B
28	C223	CONCRETE APRON - SECTION C-C
29	C224	CONCRETE APRON - SECTION D-D
30	C300	GRADING PLAN - TW A - STA. 267+70 TO 271+60 - OFFSET 152.50' LT TO 187.50' RT
31	C301	GRADING PLAN - TW A - STA. 271+60 TO 276+50 - OFFSET 152.50' LT TO 187.50' RT
32	C302	GRADING PLAN - TW A - STA. 267+70 TO 271+60 - OFFSET 187.50' RT TO 527.50' RT
33	C303	GRADING PLAN - TW A - STA. 271+60 TO 275+50 - OFFSET 187.50' RT TO 527.50' RT
34	C304	GRADING PLAN - NORTH CATCH BASIN AREA
35	C310	GRADING PLAN - SOUTH WASTE AREA
36	C311	GRADING PLAN - NORTH WASTE AREA
37	C320	GRADING PLAN - SOUTH BORROW AREA
38	C400	SOUTH VSR REALIGNMENT PLAN & PROFILE
39	C401	NORTH VSR REALIGNMENT PLAN & PROFILE
40	C500	OVERALL DRAINAGE PLAN
41	C501	DRAINAGE PLAN AND PROFILE - 24-INCH STORM DRAIN
42	C502	DRAINAGE PLAN AND PROFILE - 12 AND 8-INCH STORM DRAIN
43	C503	STORM DRAIN PLAN AND PROFILE ROOF DRAIN AND SOUTH CATCH BASIN
44	C504	DRAINAGE PLAN INFIELD AREA AND OUTLET PIPE CONNECTION
45	C505	UNDERDRAIN CLEANOUT PLAN AND ELEVATIONS
46	C520	STORM DRAIN BOX AIRPORT LOADING
47	C521	PRECAST CONCRETE DRAINAGE BOX
48	C522	TRENCH DETAIL
49	C523	UNDERDRAIN AND CLEANOUT DETAILS
50	C524	TRENCH CROSS SECTION - CONCRETE APRON
51	C600	CONCRETE JOINT PLAN - TW A - STA. 267+70 TO 271+60 - OFFSET 112.50' RT TO 281.36' RT
52	C601	CONCRETE JOINT PLAN - TW A - STA. 271+60 TO 275+50 - OFFSET 112.50' RT TO 281.36' RT
53	C602	CONCRETE JOINT PLAN - TW A - STA. 267+70 TO 271+60 - OFFSET 281.36' RT TO 463.94' RT
54	C603	CONCRETE JOINT PLAN - TW A - STA. 271+60 TO 275+50 - OFFSET 281.36' RT TO 497.62' RT
55	C650	CONCRETE JOINT DETAILS
56	C651	CONCRETE REINFORCEMENT DETAILS AND WATERWAY
57	C700	PAVEMENT MARKING PLAN - TW A - STA. 259+75 TO 266+00 - OFFSET 145' LT TO 280' RT
58	C701	PAVEMENT MARKING PLAN - TW A - STA. 266+00 TO 272+25 - OFFSET 145' LT TO 280' RT
59	C702	PAVEMENT MARKING PLAN - TW A - STA. 272+25 TO 278+50 - OFFSET 145' LT TO 280' RT
60	C703	PAVEMENT MARKING PLAN - TW A - STA. 266+00 TO 272+25 - OFFSET 280' RT TO 705' RT
61	C704	PAVEMENT MARKING PLAN - TW A - STA. 272+25 TO 278+50 - OFFSET 280' RT TO 705' RT
62	C720	PAVEMENT MARKING DETAILS AND NOTES
63	C900	FENCING PLAN
64	C950	CHAINLINK AND TEMEPORARY FENCE DETAILS
65	C951	FENCING AND GATE DETAILS
66	E001	ELECTRICAL LEGEND
67	E200	ELECTRICAL GEOMETRY PLAN
68	E250	ELECTRICAL DETAILS
69	E251	ELECTRICAL DETAILS AND SIGN DETAILS
70	E252	ELECTRICAL DETAILS

SUMMARY OF APPROXIMATE QUANTITIES										
ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I		SCHEDULE II		SCHEDULE III		SCHEDULE IV	
			ESTIMATE	AS BUILT	ESTIMATE	AS BUILT	ESTIMATE	AS BUILT	ESTIMATE	AS BUILT
C-105a	Mobilization (10% Maximum)	LS	1		1		1		1	
C-100a	Contractor Quality Control Program (CQCP)	LS	1		1		1		1	
C-102a	Temporary Erosion Control	LS	1		1		1		1	
P-101a	Full Depth Asphalt Removal	SY	1,800		5,100		5,600		0	
P-101b	Partial Depth Asphalt Removal	SY	1,200		0		0		0	
P-101c	Full Depth Concrete Removal	SY	15,100		200		0		500	
P-101d	Pipe Removal	LF	490		120		640		0	
P-101e	Catch Basin Removal	EA	6		2		1		0	
P-152a	Unclassified Excavation	CY	96,000		82,300		35,300		1,800	
P-152b	Conditioned Clay Embankment	CY	27,500		26,300		8,100		300	
P-152c	On-site Suitable Embankment	CY	49,900		49,600		16,000		400	
P-154a	Unstabilized Permeable Subbase Course	CY	3,300		3,100		900		50	
P-154b	Class 2, Non-Woven Subsurface Drainage Geotextile	SY	17,500		16,600		4,900		300	
P-154c	Class 1, Non-Woven Separation Geotextile	SY	36,000		34,800		11,300		600	
P-154d	40 Mil LLDPE Geomembrane	SY	18,000		17,400		5,700		300	
P-209a	Crushed Aggregate Base Course	CY	3,200		3,300		1,600		100	
P-401a	Asphalt Surface Course	TON	700		1,500		900		0	
P-403a	Asphalt Mixture Base Course	TON	5,200		4,800		1,150		100	
P-501a	Concrete Pavement, 15-Inch	SY	14,250		10,900		2,900		300	
P-501b	Concrete Pavement, 8-Inch	SY	700		0		250		150	
P-501b	Bond Breaker Fabric	SY	14,300		10,950		2,950		300	
P-603a	Emulsified Asphalt Tack Coat	TON	9		11		4		1.00	
P-620a	Temporary Pavement Markings	SF	12,100		6,100		1,600		0	
P-620b	Permanent Pavement Markings	SF	12,100		3,600		1,600		0	
P-620c	SIDA Area Markings	SF	1,900		3,100		1,600		0	
P-620d	Painted Surface Sign	EA	12		21		12		0	
P-620e	Pavement Marking Obliteration	SF	500		2,500		0		0	
D-701a	24-Inch HDPE Storm Drain Pipe, DR 32.5	LF	390		420		120		0	
D-701b	18-Inch HDPE Storm Drain Pipe, DR 32.5	LF	0		270		0		0	
D-701c	12-Inch HDPE Storm Drain Pipe, DR 32.5	LF	530		0		0		0	
D-701d	8-Inch HDPE Storm Drain Pipe, DR 32.5	LF	40		90		0		0	
D-701e	6-Inch Outlet Pipe	LF	420		180		0		0	
D-701f	Loose Riprap, 9-inch D50	SY	0		20		0		0	
D-705a	6-Inch Underdrain	LF	1,200		1,320		700		0	
D-751a	Underdrain Cleanout	EA	3		5		5		0	
D-751b	Storm Drain Box, Airport Loading	EA	3		1		1		0	
D-751c	2-Foot x 2-Foot Storm Drain Box, Highway Loading	EA	2		1		0		0	
D-751d	3-Foot x 3-Foot Storm Drain Box, Highway Loading	EA	0		1		1		0	
D-751e	Relocate Existng Storm Drain Box	EA	2		0		0		0	
F-162a	Temporary Construction Fence	LF	360		0		0		0	
F-162b	Install 7-Foot Chain-Link Fence	LF	350		0		0		0	
L-108a	Install #8 AWG, L-824C, 5000V Wire	LF	0		1,500		400		0	
L-108b	Install #6 AWG, Bare Copper Counterpoise	LF	0		1,000		100		0	
L-108c	Install #10AWG, XHHW, 600V Wire	LF	0		2,000		0		0	
L-110a	Install 1-2" PVC Conduit (Direct Earth Buried)	LF	0		900		100		0	
L-110b	Install 1-2" PVC Conduit (Concrete Encased)	LF	0		50		0		0	
L-110c	Install 4-2" PVC Conduit (Concrete Encased)	LF	0		100		0		0	
L-115a	Remove Junction Box Plaza, Complete	EA	0		1		0		0	
L-115b	Reinstall Junction Box Plaza, Complete	EA	0		1		0		0	
L-115c	Install Handhole, Complete	EA	0		4		0		0	
L-125a	Remove Taxiway Light in Pavement, Complete	EA	0		7		4		0	
L-125b	Remove Taxiway Light and Install Blank Steel Cover	EA	0		2		0		0	
L-125c	Reinstall Base Mounted L-861T(L) Taxiway Edge Light in Pavement, Complete	EA	0		4		1		0	
L-125d	Reinstall Base Mounted L-861T(L) Taxiway Edge Light in Existing Pavement, Complete	EA	0		6		0		0	
L-125e	Install L-853 Surface Mounted Retroreflective Marker, Complete	EA	10		0		0		0	
L-125f	Remove L-858 Guidance Sign in Soil, Complete	EA	0		2		0		0	
L-125g	Reinstall L-858 Guidance Sign on New Concrete Pad in Soil, Size 2, 2 Module, Complete	EA	0		1		1		0	
L-125h	Reinstall L-858 Guidance Sign on New Concrete Pad in Soil, Size 2, 3 Module, Complete	EA	0		1		0		0	
L-125i	Install New 60' Apron Flood Light Pole with LED Lumineers, Complete	EA	0		3		0		0	
L-125j	Install LED Apron Light Fixtures (3 Total per Pole) on Existing Apron Flood Light Pole	EA	4		0		0		0	
L-125k	Install Power Wiring for Sponsor Installed Equipment	LS	2		0		0		0	
L-125l	Relocate/Re-install Stop/Informational Sign	EA	2		2		0		0	

ISSUED FOR BID

THESE DRAWINGS ARE FOR BIDDING
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PREPARED BY OR UNDER THE
SUPERVISION OF

KIRT J MCDANIEL PE-181491 03/02/2023
 NAME REG. NO. DATE
 FOR AND ON BEHALF OF JVIATION , INC.



ST. GEORGE
UTAH

DES: L.O.B.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: L.O.B.	1	K.J.M.	03/02/2023	ISSUED FOR BID
CH: C.L.G.		K.J.M.	4/6/2023	ADDENDUM #2
APP: K.J.M.				

RECONSTRUCT AND EXPAND
TERMINAL APRON

INDEX OF DRAWINGS
SUMMARY OF APPROXIMATE QUANTITIES

AIP PROJ. NO.
3-49-0060-045-2023

JVIATION PROJ. NO.
2021.SGU.01

SHEET NAME

G002A

SHEET NO.

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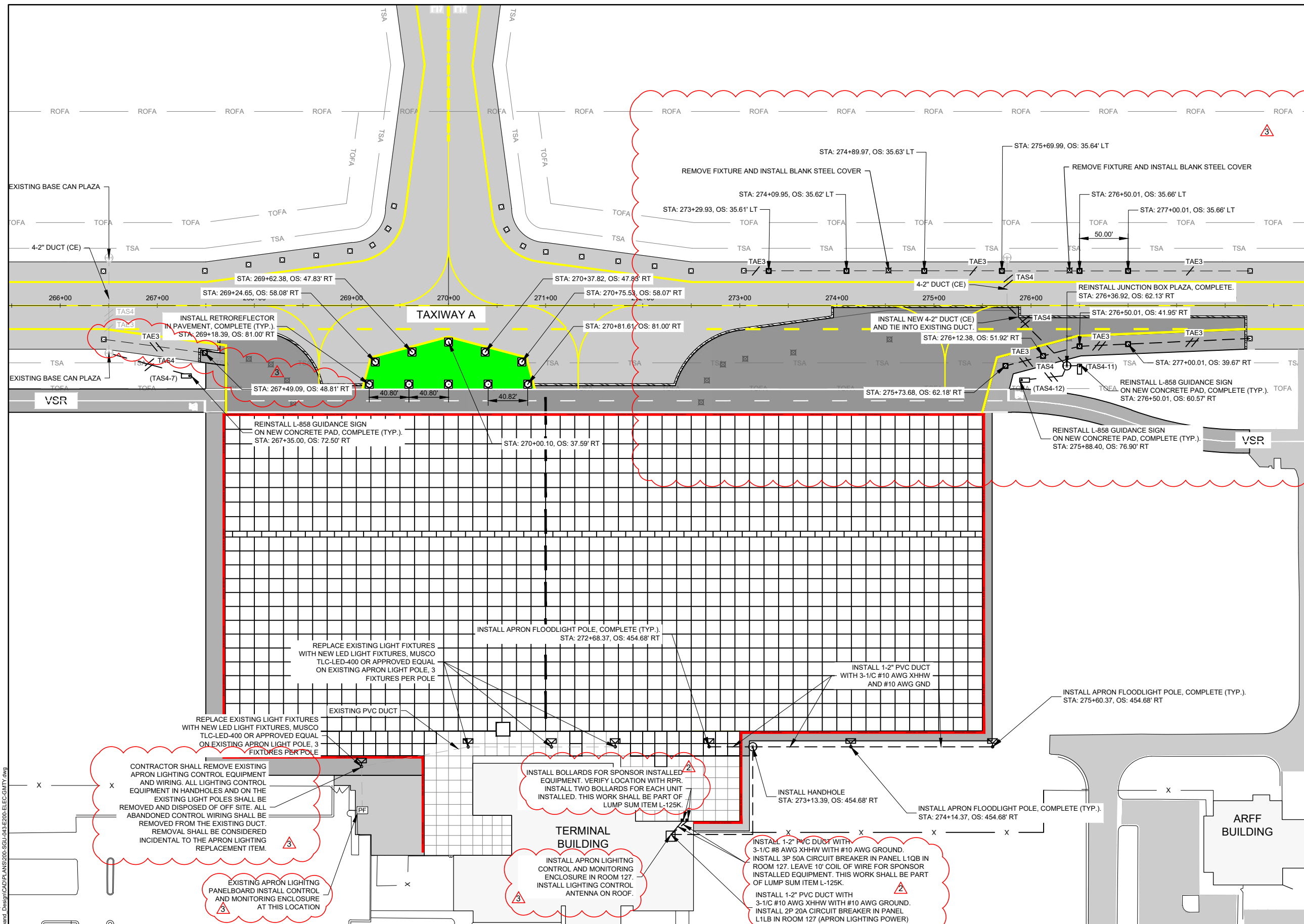
KIRT J MCDANIEL	PE-181491	03/02/2023
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF JVIATION , INC.		

AIP PROJ. NO.	3-49-0060-045-2023
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JVIATION PROJ. NO.
2021.SGU.01

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ST. GEORGE
UTAH

DR: E.H.M

CH: C.L.G.

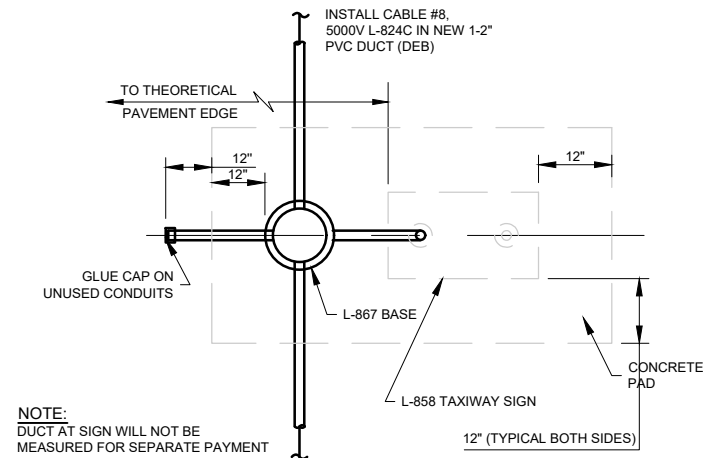
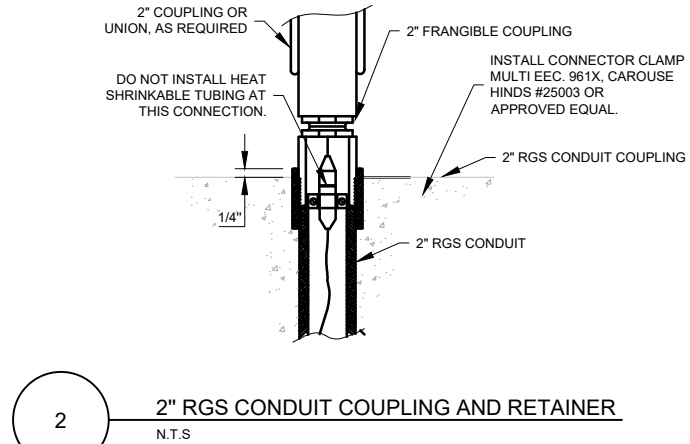
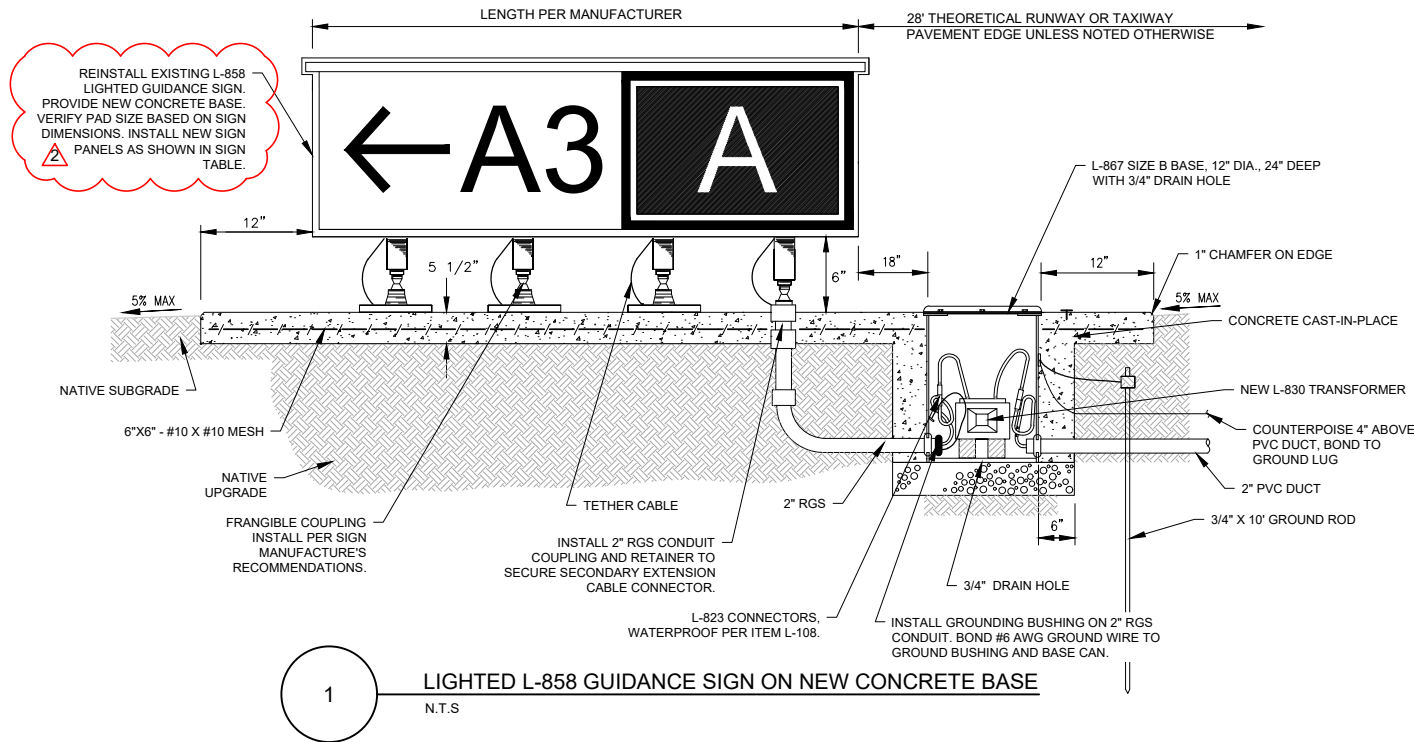
APP: K.J.M.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	K.J.M.	03/02/2023	ISSUED FOR BID
2	K.J.M.	3/28/2023	ADDENDUM #1
3	K.J.M.	4/6/2023	ADDENDUM #2

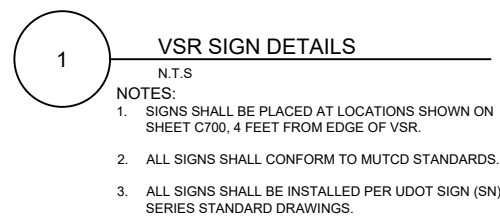
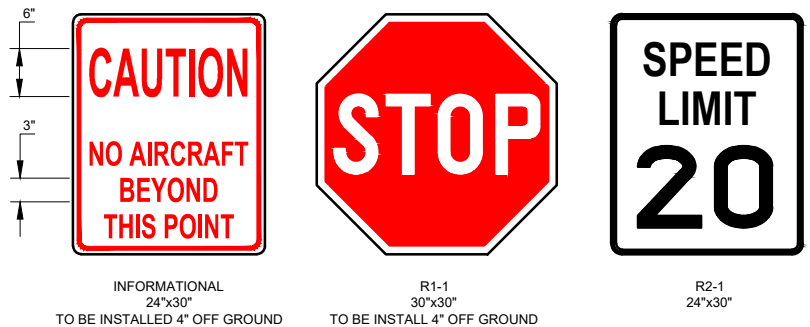
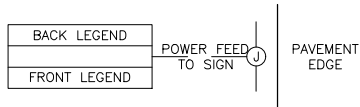
RECONSTRUCT AND EXPAND TERMINAL APRON

- NOTES:
- ALL SIGNS SHALL BE EQUIPPED WITH LED TYPE LIGHTING WHICH COMPLIES WITH THE REQUIREMENTS OF FAA ENGINEERING BRIEF 67D.
 - ALL NEW SIGNS SHALL CONFORM TO AC 150/5345-44J. LIGHTED, SIZE 1. NUMBER OF SIGN MODULES SHALL BE AS REQUIRED FOR LEGEND. ALL NEW DIRECTIONAL, MANDATORY, AND LOCATION SIGNS SHALL BE LOCATED 12' FROM THE EDGE OF SIGN TO THE THEORETICAL PAVEMENT EDGE.
 - THE DETAILS SHOWN IN THE PLANS PROVIDE THE MINIMUM REQUIREMENTS FOR SIGN INSTALLATIONS. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
 - ALL SIGNS SHALL BE FURNISHED WITH TETHERS. TETHERS SHALL BE 1/8" STAINLESS STEEL AIRCRAFT CABLE WITH A FORMED EYE ON BOTH ENDS. THE TETHER SHALL BE ATTACHED TO THE SIGN AND BASE BY BEING SANDWICHED BETWEEN TWO STAINLESS STEEL FENDER WASHERS, WITH A 1/2" MINIMUM STAINLESS STEEL BOLT. THE TETHER SHALL BE OF SUFFICIENT LENGTH TO HAVE A MINIMUM OF 6" SLACK WHEN ATTACHED BETWEEN THE SIGN AND THE SIGN BASE. ALL TETHERS SHALL BE THE SAME LENGTH.
 - ALL SIGNS SHALL BE ORIENTED SUCH THAT THE LONGITUDINAL CENTERLINE OF THE SIGN IS PERPENDICULAR TO THE RESPECTIVE TAXIWAY/RUNWAY CENTERLINE, UNLESS OTHERWISE NOTED.
 - THE ACTUAL SIGN DIMENSIONS MAY VARY FROM THOSE SHOWN. THE BASE SIZE SHALL BE ADJUSTED TO MATCH THE SIGN.
 - THE CONCRETE SHALL COMPLY WITH SPECIFICATION P-610.
 - CONCRETE STEEL REINFORCEMENT SHALL BE TYPE ASTM A615 GRADE 60. ALL REINFORCEMENT SHALL HAVE A 2" MINIMUM CONCRETE COVER. REINFORCEMENTS MAY BE ADJUSTED TO MISS INTERFERENCES.
 - ALL ANCHOR BOLTS SHALL BE A-36 STEEL, HOT DIP GALVANIZED WHEN CAST INTEGRALLY WITH THE CONCRETE PAD OR STAINLESS STEEL EXPANSION ANCHORS.
 - THE BONDING CONDUCTOR AND SIGN TETHER SHALL NOT BE ATTACHED AT THE SAME ANCHOR BOLT. AN APPROVED MECHANICAL OR COMPRESSION LUG SHALL BE USED TO CONNECT THE BONDING CONDUCTOR TO THE SIGN FLANGE AND SIGN.
 - LAYOUT OF SIGN LEGENDS BY SIGN MANUFACTURER SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
 - INSTALL SIGNS AND FOUNDATIONS LEVEL, PROVIDE GRADING AS REQUIRED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SIGN GRADING.
 - BID ITEM FOR LIGHTED SIGNS SHALL INCLUDE PVC CONDUIT EXTENDED ONE FOOT BEYOND CONCRETE PAD.
 - LOCATION GIVEN FOR SIGNS DENOTES THE MIDDLE OF THE SIGN EDGE ON THE SIDE CLOSEST TO THE RUNWAY OR TAXIWAY EDGE.



AIRPORT GUIDANCE SIGNS								
SIGN #	SIGN LEGEND		L-858 SIGN TYPE		MODULES	SIZE	STYLE	SCHED. OF WORK
	FRONT	BACK	FRONT	BACK				
TAS4-7	←A→	BLANK	Y	---	2	2	2	3
TAS4-11	BLANK	←A→	---	Y	2	2	2	2
TAS4-12	←TERM	BLANK	Y	---	2	2	2	2

SIGN TYPE LEGEND
Y - BLACK LEGEND ON YELLOW BACKGROUND (L-858Y DIRECTIONAL)
R - WHITE LEGEND ON RED BACKGROUND (L-858R-MANDATORY)
L - YELLOW LEGEND ON BLACK BACKGROUND (L-858L-LOCATION)
B - WHITE LEGEND ON BLACK BACKGROUND (L-858B - RDR)



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KIRT J MCDANIEL	PE-181491	03/02/2023
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF JVIATION, INC.		

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DES: B.A.H.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: B.A.H.	1	K.J.M.	03/02/2023	ISSUED FOR BID
CH:	2	K.J.M.	4/6/2023	ADDENDUM #2
APP:				

RECONSTRUCT AND EXPAND
TERMINAL APRON

AIP PROJ. NO.
3-49-0060-045-2023

JVIATION PROJ. NO.
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