

May 12, 2023

To: Plan Holders for Improvements to the
Salina Regional Airport
Salina, Kansas
New Aviation Bulk Fuel Facility

Transmitted herewith is Addendum No. 4 to the Contract Documents, Plans, and Specifications dated April 17, 2023 for Improvements to the Salina Regional Airport, Salina, Kansas, New Aviation Bulk Fuel Facility.

SCHEDULE I:

Construct New Aviation Fuel Facility

SCHEDULE II:

Relocate Self-Serve Dispenser and Tank

SCHEDULE III:

Partially Remove and Decommission Existing Fuel Facility

This addendum contains answers to contractor's questions received this week along with revised contract documents and plans. Please note that the last day for contractor questions will be May 17, 2023.

Sincerely,

Jviation, A Woolpert Company



Alex Nodich, P.E.
Project Manager

**ADDENDUM NO. 4
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
SALINA REGIONAL AIRPORT
SALINA, KANSAS
AIP NO. 3-20-0072-047/049**

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 the submitted Bid may result in rejection of the Bid. Bidders are informed that the above referenced Contract Documents, Specifications, and Plans are modified as follows as of May 12, 2023:

1. PLANS

M-210 – Mechanical Sheets – These sheets have been updated to include a schematic of the clay treater skid.

Justification: This information was not previously included.

2. CONTRACT DOCUMENTS

Bid Proposal – Schedules I and II were revised to move a pay item, 33 52 43.19f, to Schedule II from Schedule I.

Justification: The pay item “Tank – Confined Space Cleaning” was incorrectly in Schedule I, when it should be in Schedule II.

3. CONTRACTOR QUESTIONS

Question: Please confirm NTP will be delayed to allow for long lead item procurement

Answer: It has been discussed and agreed that if needed, the NTP could be issued in two phases, one for equipment purchasing/procurement and one for beginning onsite work with the latter starting the day count.

Question: Even with a delayed NTP the contract duration is too short-can a duration of 340 days be provided?

Answer: No changes to the contract duration will be made.

Question: Can the bid date be extended by 2 weeks-we are having a hard time getting vendors and subcontractors interested in bidding

Answer: This was addresses in Addendum #1.

Question: Liquidated damages clause does not clearly identify what the costs will be-how many engineers would we be charged for? What is cost for per diem, lodging, etc?

Answer: Per FAA requirements, engineering liquidated damages will be assessed by actual costs incurred. This includes onsite engineering, engineering office support, testing, lodging, and per diem. Special Provisions, Part C, Section 17 (Division 5-75) provides additional information. We anticipate supporting the project with one onsite engineer. Estimates can be made for lodging and per diem based on the published GSA rates, but you will be charged for the actual expenses incurred, not the flat rate. If we are not onsite, doing testing, or supporting the project in any way, no charges will be incurred for engineering on those days. Separately, the airport reserves the right to recoup lost revenue in the form of liquidated damages as identified in Section 80-08 of the contract documents.

Question: We request that the liquidated damages be identified as a single value per day (example \$3,500 per day) please advise.

Answer: The FAA requirements for this project will not allow a daily rate/fee. An estimate of the liquidated damages could be made by adding the following: airport lost revenue, onsite engineering time and expenses, engineering office support, and quality assurance testing. Liquidated damages will only be assessed for actual costs incurred.

Question: Is a pump required for the Clay Treater Skid? The following discrepancies exist in the plans and specifications:

- ☐ 00 01 20 Para 1.01.F.9 describes a Clay Treater pumping system w/ a 4" PD pump.
- ☐ M-130 does not show a pump.
- ☐ M-210 does not show a pump but rather shows the DEFUEL tank suction header running to the JET-A RECIRC SKID.
- ☐ There is no schematic for the Clay Treater skid.
- ☐ There is no specification for the Clay Treater vessel.
- ☐ D-100 shows suction and fill lines to/from the DEFUEL tanks and CLAY treater skid. It does not show the DEFUEL suction line running to the JET A RECIRC skid.
- ☐ E-415 shows 480V pump power conduit to the Clay Treater Skid, re: Conduit # 106 derived from Power Panel A, CKTs 19-23
- ☐ E-700 shows a 20 hp Clay Treater pump motor.
- ☐ E-710 shows CLAY TREATER STARTER #4.

Answer: Yes. The Clay treater skid basis of design should be a 275 GPM pump. This skid will be isolated from the other jet piping.

- Clay treater pump is Acknowledged. Pump selected by Contractor must be sized to accommodate the performance required to work with system as defined in contract plans.
- Acknowledged, the contractor should consider a pump necessary and include this in their bid.
- The basis of design for the clay treater skid should be considered an F-series Clay treater as Mfg by Facet. Of course, contractors are able to provide approved equals for consideration.
- The clay treater schematic on sheet m-210 has been updated to include a schematic of the clay treater skid.
- E-415 Correct.
- E-700 – The pump motor defined in the electrical is a place holder and may be oversized to assure electrical loading assumed is conservative.
- E-710 – Acknowledged.

Question: Control Valve Questions:

□ 33 52 43.17 Para 1.05.C requires Ductile Iron control valve bodies, bonnets, and covers. However, the individual control valve requirement paragraphs specify cast steel bodies, re: Paras 2.01.A.5.a., 2.01.B.5, and 2.01.C.4.

o Which control valve body material is required i.e. Ductile Iron or Cast Steel?

Answer: Ductile Iron is the required material.

Question: Filter Separator Control Valve and Loading Control Valve discrepancies.

o 33 52 43.17 Para 2.01.B describes Filter Separator Water Slug control valves, but these valves are NOT shown on the skid equipment drawings EXCEPT for the Clay Treater Skid.

Answer: Supplier has the choice to use either a water slug valve or electronic water defense.

Question: Sheet M-120 -- Jet A Receipt/Issue Skid -- shows 4" DEADMAN SHUT-OFF VALVE; no slug valve, Sheet M-120 -- Jet A Recirculation Pump Skid -- no control valves shown, Sheet M-130 -- Clay Treater Skid -- shows 4" slug valve but incorrectly describes it as "DEADMAN SHUT-OFF VALVE.", Sheet M-130 -- SAF Receipt/Issue Skid -- shows 4" DEADMAN SHUT-OFF VALVE; no slug valve, Sheet M-130 -- Avgas Receipt/Issue Skid -- shows 3" DEADMAN SHUT-OFF VALVE; no slug valve

Answer: - Supplier has the choice to use either a water slug valve or electronic water defense.

Question: 33 52 43.17 Para 2.01.B.4 and 33 52 43.21 Para 2.01.K require a flanged float control installed in the filter separator to sense a water slug condition and stop flow thru the filter. However, 00 01 20 describes electronic water defense (Gammon 1 cc or Crown Products) which

is also shown in the Skid Drawings re: M-120, M-130. Which type of water defense is required i.e. Hydraulic or Electronic or both?

Answer: Supplier has the choice to use either a water slug valve or electronic water defense.

Question: Does this Avgas Recirculation fueling skid need to be inside a cabinet as specified on section F – Item #3 ? A 200 – 240 GPM Avgas system is required a 4” Pump and pipe equipment. Due to Avgas has to turn at a slower rate in higher pumps to prevent cavitation. You can only get 150 GPM with the 3” system without it causing cavitation.

Answer: The Avgas fueling skid is a receipt and issue pump skid. The gpm listed is the offload rate. We have achieved these rates using 3” piping in the past without having cavitation problems. The contractor or equipment supplier will be responsible for providing a system which will perform as defined in the contract plans which provide a basis of design.

Question: Is the pipe going to the Avgas system from the 12k avgas tank 3” or 2” ?

Answer: Avgas piping for work area 1 is currently proposed as 3” Sched 10, S.S. Type 304 welded piping.

Question: The Avgas Tank on PG. M-110 Item 6 shows (1) 36” Manway and (1) 24” Manway. The Jet Tanks show (2) 24” Manways – Is this correct? And why?

Answer: We are not seeing this referenced item (#6). Item #6 on the avgas equipment drawing on plan sheet M-110 is a normally open anti-siphon valve. The contractor or equipment supplier needs to provide a tanks which can be installed with the required equipment for a functional system meeting the minimum requirements as set forth and defined in the contract plans. We are not seeing this either (Jet-A). The contractor or equipment supplier needs to provide a tanks which can be installed with the required equipment for a functional system meeting the minimum requirements as set forth and defined in the contract plans.

Question: The Jet And Jet SAF Tank equipment on PG M-100 Section F Item I shows a 6” operating vent with a 4” suction. Can we use a 4” Vent as required by industry standards? Also shows 3” on the defuel tank where 4” is required.

Answer: We are not seeing this on the equipment drawings provided on plan sheet M-100. Venting must be conformant with code, best practices, and industry standards to provide a functional system meeting the minimum requirements as set forth and defined in the contract plans.

Question: There is a sump heater called out for the defuel filtration system on a 9aiii. Do we need to add sump heaters to all vessels on the other skids?

Answer: Sump heaters will be required on the Jet-A & SAF System skids.

Question: The plan shows a 6” floating suction on M-200 and the specs call out for 4” floating suction on the jet system. Which is the correct size? M-200 calls out for a 6” and 8” suction and fill headers.

Answer: Please refer to the engineered plans. For piping and floating suction sizes. The piping sizes will depend very much on the field layout of the piping runs and the pump skid design the contractor is proposing. The piping and fuel system schematics are diagrammatic in nature, and the contractor will be responsible for providing supporting documentation that the proposed system will meet the pump rates defined on the plans.

Question: What size is the piping from the pump skids to the jet load and unload racks?

Answer: The piping sizes are defined in the schematic provided on plan sheet M-200. The piping sizes will depend very much on the field layout of the piping runs and the pump skid design the contractor is proposing. The piping and fuel system schematics are diagrammatic in nature, and the contractor will be responsible for providing supporting documentation that the proposed system will meet the pump rates defined on the plans.

Question: Is there any form of spill containment on any skid for the transports or refuelers?

Answer: Spill containment is provided in the fuel transfer lanes. The equipment slab where the pump skids are intended to be installed slopes toward the fuel transfer containment areas.

Question: Are all the registers on the meters either electronic or mechanical?

Answer: Electronic Meters are required.

Question: What fuel type is required for the generator – Natural gas or diesel?

Answer: Diesel

Question: Please confirm that a trailer will not be required by the contractor for the engineering firm and the contractor can utilize a Salina airport building next to the project.

Answer: A trailer will not be required as the Airport will allow for use of a field office near the project site. This will require a use agreement between the contractor and the airport. Contractor will be responsible for any additional expenses needed to provide the required services (e.g. internet, printer).

Question: Please clarify the confined space entry on tanks in Schedule 1. Is this for the small Avgas tank? I believe it is in Schedule 2 ?

Answer: That is correct. This item should be in Schedule II. An updated bid proposal reflecting this change will be distributed in a forthcoming addendum.

Question: Our plan was to put the tank gauging system in the QC Shed and hard wire the probes to the controller. Do you require a cell service to be able to read the tank quantities remotely or is hard wiring being put in place between the shed and a building on site?

Answer: Installing the Tank gauging system in the QC Shed, and hard wiring the tank sensors back to the tank gauging system is the intent of the design. Please refer to plan sheet E-400, conduit # 214 (1.25 ") from the QC shed to a new UG junction box, for future connection by others. No cell service has been proposed.

Question: Please clarify the building and foundation removal in Schedule 1. Is that separate from the avgas tank pad and cabinet pad?

Answer: The foundation and slab removal is for the existing area on the south end of Work Area 1, see sheet C-100 for further details.

Question: Qualifications – Please clarify or remove this requirement under Structural Steel Qualification - Fabricator Qualifications: A qualified fabricator that participates in the AISC Quality Certification Program and is designated an AISC-Certified Plant, Category STD. B. Installer Qualifications: A qualified installer who participates in the AISC Quality Certification Program and is designated an AISC-Certified Erector, Category CSE.

Answer: This section/requirement only applies to the canopy fabrication.

Question: Pump questions: 00 01 20 SOW allows for Positive Displacement or Centrifugal pumps. Skid Drawings M-120 and M-130 show Positive Displacement pumps i.e. Blackmer GXN. 33 52 43.22 Para 2.03.B requires a Self-Priming Centrifugal pump with integral air release valve. Q: Which pump design is required? What are the required pump TDH values? These are not shown in the drawings.

Answer: The basis of the pump design is as stated on the plans. The total Dynamic head is dependent on the piping layout provided by the contractor in the field. We can provide a rough estimate of the required TDH as being between 150 – 170 ft. Please note that this is subject to review and adjustment based on final fueling system layout and piping arrangement.

Question: Please confirm there are no federal, state, or local taxes on this project and the materials for the project.

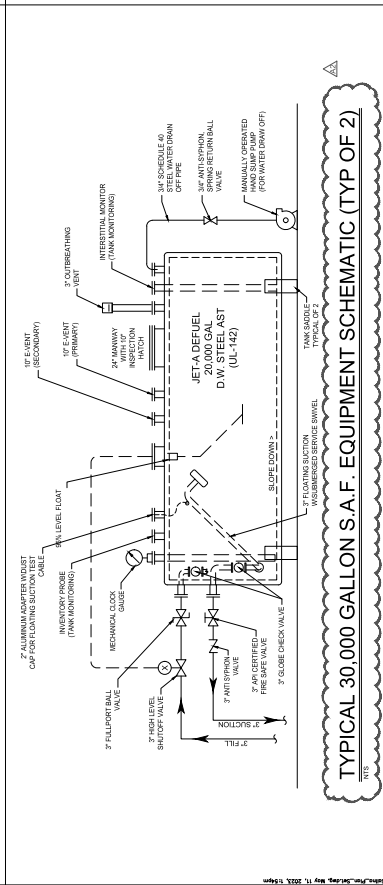
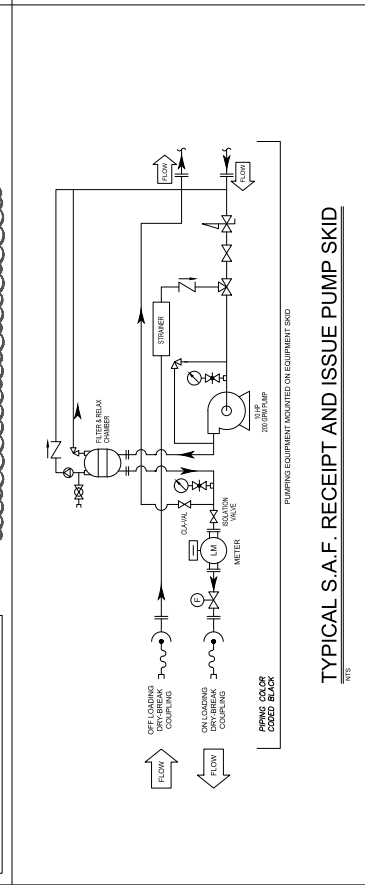
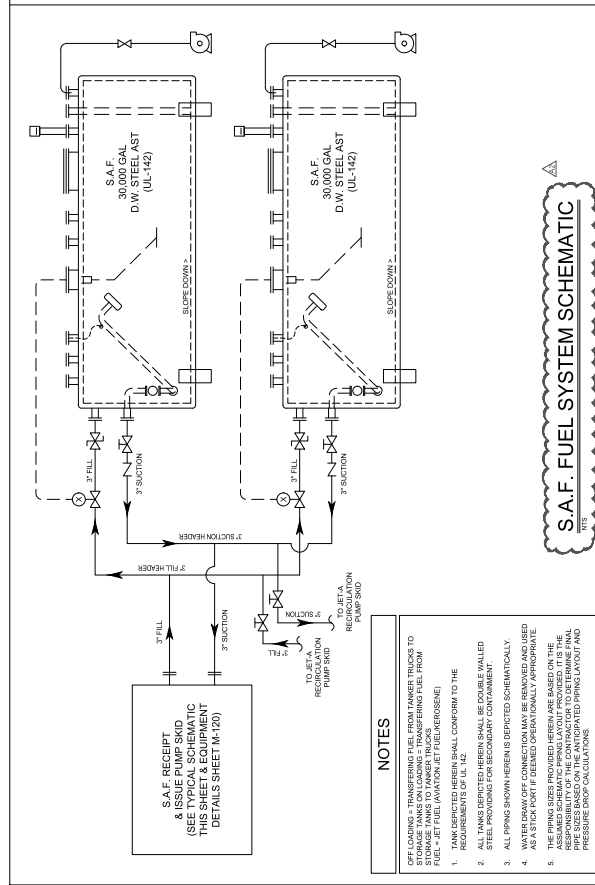
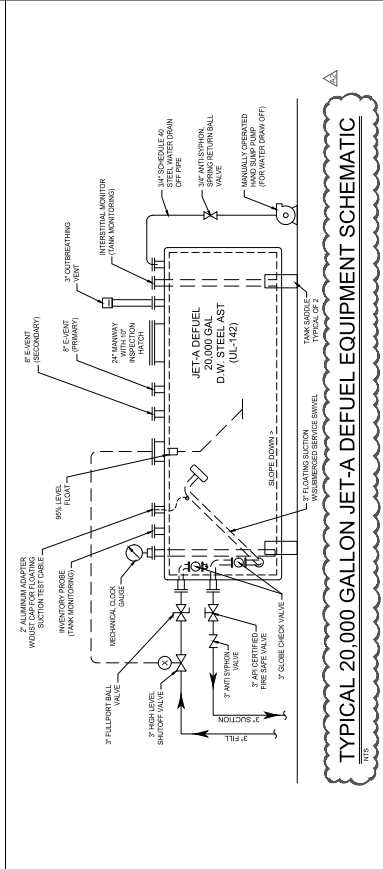
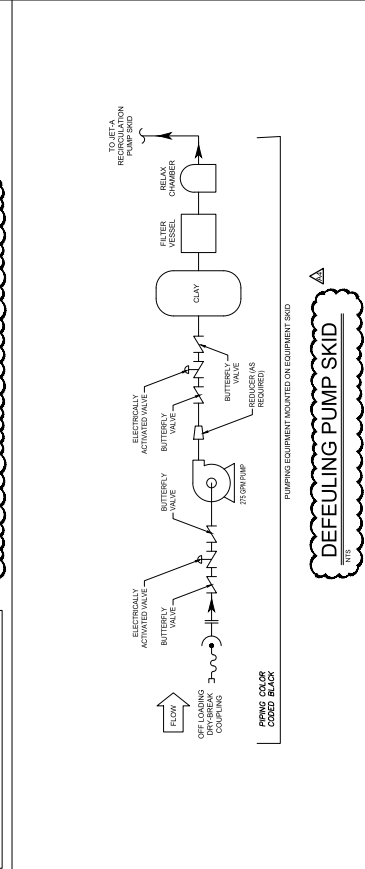
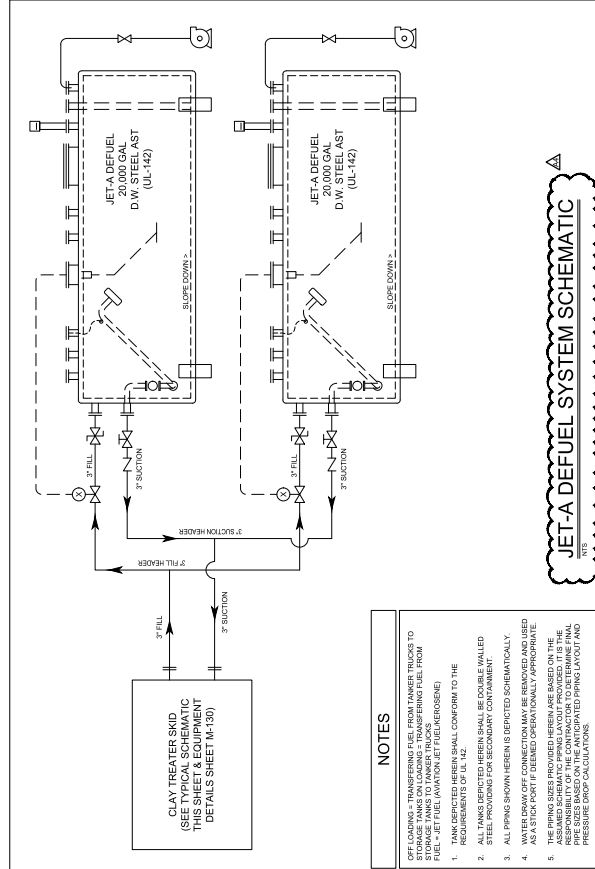
Answer: That is correct.

Question: Will the contractor be allowed to submit pay apps for material for the skids and tanks before the material is on site in Salina? Does having it in a fabrication facility allow those items to be invoiced through a pay app?

Answer: Please refer to Section 90-07 of the contract documents.

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**** END OF ADDENDUM NO. 4 ****



SCHEDULE I							
Item No.	Description		Units	Estimated Quantity	Unit Price	Total	
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
C-105a	Mobilization (10% Max.)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
01 11 13a	Surveying	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
01 11 13b	Permitting	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
01 14 00a	Crane	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
26 60 00a	Project Electrical - Includes All Underground Piping/Conduit	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
26 60 00a	Generator	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$	
26 60 00b	Dual Fixture Light Pole (Includes Solar Unit)	at the unit price of: _____ dollars and _____ cents.	EA	5	\$	\$	
26 60 00c	Triple Fixture Light Pole (Includes Solar Unit)	at the unit price of: _____ dollars and _____ cents.	EA	7	\$	\$	
33 08 55a	Final Commissioning	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
33 52 43.11a	Avgas Tank Removal	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$	

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
33 52 43.19a	30,000 Gallon UL 142 DW - Jet Fuel AST - Includes Foundation	at the unit price of: _____ dollars and _____ cents.	E/A	4	\$	\$
33 52 43.19c	20,000 Gallon UL 142 DW - Defuel AST - Includes Foundation	at the unit price of: _____ dollars and _____ cents.	E/A	1	\$	\$
33 52 43.19d	12,000 Gallon UL 142 DW - Avgas AST - Includes Foundation	at the unit price of: _____ dollars and _____ cents.	E/A	1	\$	\$
33 52 43.19e	549 Gallon Waste Water AST	at the unit price of: _____ dollars and _____ cents.	E/A	1	\$	\$
33 52 43.19g	Tank Access Stairs and Cat Walks	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
33 52 43.19h	Tank Probes, Modem, Wireless Inventory	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
33 52 43.22a	300 GPM Pump and Receipt Skid (Jet-A / SAF)	at the unit price of: _____ dollars and _____ cents.	E/A	1	\$	\$
33 52 43.22b	300 GPM Recirculation Pump Skid (Jet-A)	at the unit price of: _____ dollars and _____ cents.	E/A	1	\$	\$
33 52 43.22c	Remote receipt and Issue Skid (Jet-A - No pump)	at the unit price of: _____ dollars and _____ cents.	E/A	3	\$	\$
33 52 43.22d	300 GPM Clay Treater Skid	at the unit price of: _____ dollars and _____ cents.	E/A	1	\$	\$
33 52 43.22e	200 GPM Pump Skid (Avgas)	at the unit price of: _____ dollars and _____ cents.	E/A	1	\$	\$

SCHEDULE I							
Item No.	Description			Units	Estimated Quantity	Unit Price	Total
33 52 43.22f	Fuel Recovery Units (Sump Saver)	at the unit price of: _____ dollars and _____ cents.		EA	3	\$	\$
P-101a	Existing Concrete Demolition Full Depth (8" - 17")	at the unit price of: _____ dollars and _____ cents.		SY	450	\$	\$
P-101c	Building Slab and Foundation Removal	at the unit price of: _____ dollars and _____ cents.		LS	1	\$	\$
P-101d	Remove Self-Serve Canopy and Foundation	at the unit price of: _____ dollars and _____ cents.		LS	1	\$	\$
P-151a	Site Clearing and Grubbing	at the unit price of: _____ dollars and _____ cents.		SY	4,455	\$	\$
P-152a	Embankment	at the unit price of: _____ dollars and _____ cents.		CY	1,400	\$	\$
P-152c	Subgrade Preparation (12")	at the unit price of: _____ dollars and _____ cents.		SY	1,300	\$	\$
P-208a	Crushed Aggregate Base Course	at the unit price of: _____ dollars and _____ cents.		CY	720	\$	\$
P-610a	10" Concrete Paving (Site Access Concrete)	at the unit price of: _____ dollars and _____ cents.		SY	2,755	\$	\$
P-610b	8" Concrete Paving (Dispensing Lanes)	at the unit price of: _____ dollars and _____ cents.		SY	305	\$	\$
P-610c	6" Concrete Paving (Housekeeping Slab)	at the unit price of: _____ dollars and _____ cents.		SY	1,270	\$	\$

SCHEDULE I							
Item No.	Description			Units	Estimated Quantity	Unit Price	Total
P-610d	4" Steel Concrete Filled Bollards, Painted Yellow	at the unit price of: _____ dollars and _____ cents.		EA	106	\$	\$
P-610e	6" Concrete Cap for Tank Foundation Block Outs	at the unit price of: _____ dollars and _____ cents.		SY	25	\$	\$
D-701	18" RCP	at the unit price of: _____ dollars and _____ cents.		LF	25	\$	\$
D-750a	Modular Trench Drain	at the unit price of: _____ dollars and _____ cents.		LF	8	\$	\$
D-751a	Install Manhole	at the unit price of: _____ dollars and _____ cents.		EA	1	\$	\$
F-162a	Chain-Link Fence	at the unit price of: _____ dollars and _____ cents.		LF	80	\$	\$
F-162b	Install Security Vehicle Access Gate	at the unit price of: _____ dollars and _____ cents.		EA	1	\$	\$
F-162c	Temporary Fencing	at the unit price of: _____ dollars and _____ cents.		LF	725	\$	\$
F-162d	Remove Existing Fence	at the unit price of: _____ dollars and _____ cents.		LF	80	\$	\$
F-162e	Acquire LiftMaster SL3000 Slide Gate Operator (Non-Federal)	at the unit price of: _____ dollars and _____ cents.		EA	1	\$	\$
F-162f	Acquire SecuraKey Radio Key RK-65KS Card Reader (Non-Federal)	at the unit price of: _____ dollars and _____ cents.		EA	2	\$	\$

SCHEDULE I							
Item No.	Description	at the unit price of: _____ dollars and _____ cents.		Units	Estimated Quantity	Unit Price	Total
T-901a	Seeding with Hydromulch	at the unit price of: _____ dollars and _____ cents.		ACRE	1	\$	\$
BLDGa	New Canopy	at the unit price of: _____ dollars and _____ cents.		LS	1	\$	\$
BLDGb	New QA/QC Shed	at the unit price of: _____ dollars and _____ cents.		LS	1	\$	\$

SCHEDULE I TOTAL \$

SCHEDULE II							
Item No.	Description		Units	Estimated Quantity	Unit Price	Total	
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
C-105a	Mobilization (10% Max.)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
01 11 13a	Surveying	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
01 14 00a	Crane	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
26 60 00a	Project Electrical - Includes All Underground Piping/Conduit	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
26 60 00b	Dual Fixture Light Pole (Includes Solar Unit)	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$	
33 08 55a	Final Commissioning	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$	
33 52 43.19f	Tank - Confined Space Cleaning	at the unit price of: _____ dollars and _____ cents.	LS	1			
33 52 43.11b	Avgas Tank Relocation and Installation	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$	
33 52 43.11c	Relocate QT Pod	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$	
P-101a	Existing Concrete Demolition Full Depth (8" - 17")	at the unit price of: _____ dollars and _____ cents.	SY	800	\$	\$	

SCHEDULE II							
Item No.	Description			Units	Estimated Quantity	Unit Price	Total
P-101b	Variable Depth Concrete Milling (2" - 8")	at the unit price of: _____ dollars and _____ cents.		SY	1,560	\$	\$
P-101e	Remove Hangar Door Tracks	at the unit price of: _____ dollars and _____ cents.		LF	175	\$	\$
P-151a	Sire Clearing and Grubbing	at the unit price of: _____ dollars and _____ cents.		SY	1,555	\$	\$
P-152b	Excavation	at the unit price of: _____ dollars and _____ cents.		CY	800	\$	\$
P-208a	Crushed Aggregate Base Course	at the unit price of: _____ dollars and _____ cents.		CY	7	\$	\$
P-610c	6" Concrete Paving (Housekeeping Slab)	at the unit price of: _____ dollars and _____ cents.		SY	40	\$	\$
P-610d	4" Steel Concrete Filled Bollards, Painted Yellow	at the unit price of: _____ dollars and _____ cents.		EA	33	\$	\$
F-162a	Chain-Link Fence	at the unit price of: _____ dollars and _____ cents.		LF	315	\$	\$
F-162c	Temporary Fencing	at the unit price of: _____ dollars and _____ cents.		LF	950	\$	\$
F-162d	Remove Existing Fence	at the unit price of: _____ dollars and _____ cents.		LF	200	\$	\$
T-901a	Seeding with Hydromulch	at the unit price of: _____ dollars and _____ cents.		ACRE	1	\$	\$

SCHEDULE II						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
KDOTa	HMA Surface (PG-70-28)	at the unit price of: _____dollars and _____ cents.	TON	220	\$	\$
KDOTb	HMA Pavement Repair (PG-70-28)	at the unit price of: _____dollars and _____ cents.	TON	150	\$	\$

SCHEDULE II TOTAL \$ _____