

April 3, 2023

Re: Fuel System Improvements
Britton Municipal Airport
Britton, South Dakota
AIP # 3-46-0004-018-2023
A-8799

Bid Opening: **April 6, 2023**
2:00 pm Local Time

ADDENDUM NUMBER 2

The following modifications are made to the plans and specifications for the Fuel System Improvements, Britton Municipal Airport:

CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS

1. Special Conditions, Page 21, SC-6 (Completion Dates), revise to read:

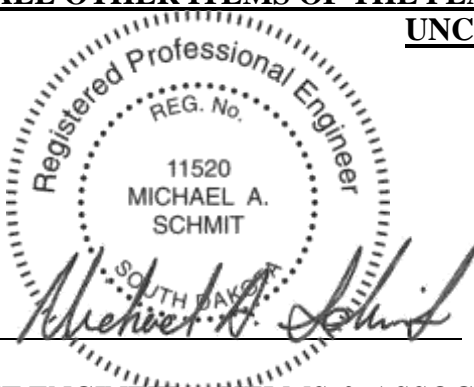
Bid Schedule A, Bid Schedule B, and Bid Schedule C:

The Fuel System Improvements shall be substantially complete by ~~October 7, 2023~~ July 20, 2024.

The work shall be completed in accordance with Paragraph 50-15 of the General Provisions by ~~October 21, 2023~~ August 3, 2024.

ALL OTHER ITEMS OF THE PLANS AND SPECIFICATIONS REMAIN UNCHANGED

BY: _____



PROJECT ENGINEER - HELMS & ASSOCIATES

Acknowledge receipt of the Addendum by inserting its number on the Bid Form. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents. It modifies them as above.

DATE: April 3, 2023

PROJECT: Fuel System Improvements
Britton, South Dakota
DGR Project No. 732302

LETTING DATE: April 6, 2023, 2:00 P.M.
AND LOCATION: City of Britton, City Finance Office
1203 3rd St.
Britton, SD 57430

ADDENDUM NO. 2

This Addendum forms a part of the Contract Documents and modifies the Contract Documents, Specifications, and Drawings as described below. The Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form as failure to do so may subject the bid to disqualification.

Drawings

All Sheets.

The Contractor shall be responsible for the installation of a new cloud-based fuel management credit card system and all software for the operation of the fueling system. Remove all references to a remote computer setup in the Terminal Building. All electrical, communications, data lines and junction structures to control the fuel management system from the fuel management system to the terminal building computer shall be removed from the project.

Also refer to the Specifications section of this addendum for further information on the fuel management system.

Clarification for Bollard Layout. Bollards shall be installed per the layout on Plan Sheet E3 & E8. The bollard layout on sheet 11 is not correct.

Clarification for Remote Fill Concrete Pad. A concrete pad for the remote fill cabinets is required and detailed on sheet E9. The concrete pad is not shown on the plan sheets.

Specifications

Section 23 10 00 Manufacturers (A). Add the following manufacturers to the approved products list:

O'Day Tank & Steel

Section 23 10 00 Capacities and Characteristics (I). Add the following products to the interior surface and epoxy coating approved products list:

Sierra 26306-1

Section 23 10 00 AST Accessories. All materials shall be compatible with aviation fuels. Remove any references to materials that are not compatible with aviation fuels. Non-compatible materials will not be permitted. Ductile iron is an acceptable substitute for bronze and brass. If dissimilar materials are used (ferrous and non-ferrous metals), galvanic corrosion protection shall be provided.

Section 23 10 00 AST Accessories (E). Remove item E and replace with: Suction strainers and check valves: Corrosion-resistant metal compounds compatible with aviation fuels.

Section 23 10 00 AST Accessories (F). Remove item F and replace with: Foot valves and anti-siphon valves: Poppet-type, corrosion-resistant metal compounds compatible with aviation fuels.

Section 23 10 00 AST Accessories (G.d.i). Remove description.

Section 23 10 00 AST Accessories (G.i). Remove description.

Section 23 10 00 AST Accessories (H.b). Change basis of design to: Morrison 715, 14-gauge steel, 10-gallon capacity.

Section 23 10 00 AST Accessories (I.f). Revise description to: 3-inch check valve.

Section 23 10 00 AST Accessories (L.a). Change basis of design to: Morrison Model 918C.

Section 23 10 00 AST Accessories (L.e). Revise description to: AST gauge shall be readable in gallons.

Section 23 10 00 AST Accessories (R.e.ii). Remove item ii. Provide audible alarm accessory.

Section 23 10 00 PIPING SYSTEMS (F). Revise the description to: All piping 2-inch and greater shall be welded.

Section 23 10 00 PIPING SYSTEMS (G). Revise the description to: Piping less than 2-inch in diameter can be threaded or welded. Minimal threaded pipe shall be utilized in the construction of the fueling system.

Section 23 10 00 PIPING SYSTEMS (J). Revise the description to: Piping height above finished grade shall be no less than 12-inches. Also refer to the pipe stand detail.

Section 23 10 00 Pumping System (E.a.i.1. & F.a.i.). Remove the Gormann-Rupp Model 02D3X2 1P pump and pump motor as the basis of design. Pumps shall be positive displacement. Centrifugal will not be permitted. Provide a pump and pump motor to meet the electrical requirements and the flow capacities. If additional horsepower (HP) is needed to accommodate the required flow rates, the Contractor shall account for all materials and costs to upsize the pump, pump motor, and electrical equipment including panel & breaker sizes to provide a complete and operational fuel system.

Section 23 10 00 Pumping System (H.e). The 15-Gallon Product Recovery AST may be installed internally or externally from the fuel cabinets. Maintain distances from the edge of equipment to the edge of pavement. Overall width may vary depending on Contractor's equipment layout.

Section 23 10 00 Pumping System (I.a.i.). AvGas electric rewind refueling hose reel shall have a capacity of 60-feet.

Section 23 10 00 Pumping System (K.a.ii.). AVGas hose shall have a length of 60-feet.

Section 23 10 00 Pumping System (L). The Jet-A system shall dispense Jet-A fuel through one (1) hose and shall be capable of providing overwing fueling and underwing fueling. The underwing fuel nozzle shall be a hose attachment with a quick-change nozzle, dry break connection with key controls for switching to deadman control operations.

Section 23 10 00 Credit Card System. Make the following revisions to this section:

The Contractor shall provide a cloud-based fuel management (credit card) system capable of operating the new fuel system.

A programmable card coder is not required if the programmable cards come pre-programmed.

Provide all necessary hardware and technical services to enable EMV transactions when available included.

Credit card system shall be capable of controlling two fueling systems with 2 stage control valves to manage the two fueling systems.

Remove the office-based computer and provide a programmable system using a web portal (cloud-based) and cloud software.

The office-based computer shall be removed from the project along with its associated hardware, software, and technical support. The fuel management system shall be cloud-based.

The Owner will not provide a dedicated phone line as credit cards shall be processed via web-based. The Owner will provide a credit card processor service certified for the credit card system.

The fuel management system shall have an internet communication using WiFi to the internet router located in the Terminal Building.

Include a three (3) year service, maintenance, upgrades, and technical support services.

Add the following to the approved credit card manufacturers: Fuel Master FM-Live

This addendum shall become a legal and binding part of the contract documents. All Bidders shall agree to accept the revisions indicated and prepare proposals in accordance therewith.

DGR Engineering

By 
Brian Meyer, PE

