



1500 County Road 269
Leander, TX 78641

Mailing Address:
9601 Amberglen Blvd. #109
Austin, TX 78729

MEMORANDUM

To: City of Manor
From: GBA
Date: 10/16/2024
Subject: Change Order No.4 for Bell Farms and Presidential Glen Lift Station Expansion

This will cover the necessary change orders that are being requested for the Bell Farms and Presidential Glen Lift Station Expansion.

Field Order No. 1 Removed Alternate Bid Item 1 and Item 2. This removed the asphalt access drive, and the Ribbon Curb associated with the Presidential Glen Lift station. The Bell Farms Lift Station's wet well had to be adjusted to not be in conflict with an existing gas line. This moved the wet well 13.5 feet north, adding additional ground cover, additional linear feet 15" wastewater line, and additional fencing to enclose the wet well. Backup documentation is provided in this packet.

Field Order No. 1 – **Deduction of (\$58,385.67)**

Field Order No. 2 Increased bid item number 9, wet well coating. Coating quantities adjustments occurred to match the square footage at both lift stations. This consists of a deduction in quantities for the Bell Farms Lift Station and an addition of quantities for the Presidential Glen Lift Station. Backup documentation is provided in this packet.

Field Order No. 2 – **Increase of \$43,711.50**

Field Order No. 3 Increased Bid Item number 30, SCADA allowance by \$2,127.00 for the Bell Farms Lift Station. Increased Bid Item number 43, SCADA allowance by \$1,636.00 for Presidential Glen Lift Station. This was due to the expiration of the honored contract price; a new quote was provided and accepted. Backup documentation is provided in this packet. SCADA allowance is a pass-through cost that the city absorbs.

Field Order No. 3 – **Increase of \$3,763.00**

Total Field Order cost: **(\$10,911.17)**

This change order will be a **1% decrease** from the original contract amount.

This change order will also include additional days to the contract time. An **increase of fifty-four calendar days** to the project making the **adjusted final completion date 9/13/2024**. This increase includes six days for additional wet well coating, twenty-two days for weather days, and twenty-six days for potable water observed at the Presidential Glen Lift Station and the associated leak detection.



FIELD ORDER NO. 1

DATE: AUGUST 25, 2023

PROJECT NO: 15110.02

TO: JM Pipeline, LLC
P.O. Box 8614
Horseshoe Bay, Tx 78657
Phone: (830)-953-1010

RE: Bell Farms and Presidential Glen Lift Station Expansion

In accordance with the GENERAL CONDITIONS OF THE AGREEMENT, Paragraphs 15, 16, 19, and 31, of the referenced project, the following changes are hereby directed:

- | | |
|---|---------------|
| 1. Subtract 2,522.97 SF of Alternate Bid Item 1, Asphalt Access Drive @\$25.00/SF | (\$63,074.25) |
| 2. Subtract 420.49 LF of Alternate Bid Item 2, Ribbon Curb @\$8.00/LF. | (\$3,363.92) |
| 3. Additional 253.5 SF of Bid Item 7, Ground Cover @\$10.00/SF. | \$2,535 |
| 4. Additional 13.5 LF of Bid Item 8, 15" Pipe @\$245.00/LF. | \$3,307.5 |
| 5. Additional 26 LF of Bid Item 16, Fencrete @\$85.00/LF. | 2,210.00 |

Total = (\$58,385.67)

Should you have any questions regarding this matter, please contact this office.

ISSUED

ACKNOWLEDGED


Rebecca Howley, P.E.

By: _____

Copy: Matt Woodard, City of Manor

FIELD ORDER NO. 2

DATE: NOVEMBER 20, 2023

PROJECT NO: 15110.02

TO: JM Pipeline, LLC
P.O. Box 8614
Horseshoe Bay, Tx 78657
Phone: (830)-953-1010

RE: Bell Farms and Presidential Glen Lift Station Expansion

In accordance with the GENERAL CONDITIONS OF THE AGREEMENT, Paragraphs 15, 16, 19, and 31, of the referenced project, the following changes are hereby directed:

1. This field order will **increase** Bid Item number 9, wet well coating by **874.23 SF @ \$50.00/SF.**
Increase of \$43,711.50
 - a. **Original quantity in the bid tabulation 1,383.00**
 - b. Correct Quantity for this project is below.
 - i. 973.89 SF of Bid Item 9, wet well coating @\$50.00/SF (Bell Farms)
 1. New wet well interior.
 - ii. 1,283.34 SF of Bid Item 9, wet well coating @\$50.00/SF (Presidential Glen)
 1. Existing wet well interior coating.
 2. New wet well interior coating.

Should you have any questions regarding this matter, please contact this office.

ISSUED

ACKNOWLEDGED


Rebecca Howley, P.E.

By: _____

Copy: Matt Woodard, City of Manor

FIELD ORDER NO. 3

DATE: JANUARY 18, 2024

PROJECT NO: 15110.02

TO: JM Pipeline, LLC
P.O. Box 8614
Horseshoe Bay, Tx 78657
Phone: (830)-953-1010

RE: Bell Farms and Presidential Glen Lift Station Expansion

In accordance with the GENERAL CONDITIONS OF THE AGREEMENT, Paragraphs 15, 16, 19, and 31, of the referenced project, the following changes are hereby directed:

1. This field order will **increase** Bid Item number 30, SCADA allowance by **\$2,127.00 LS**
2. This field order will **increase** Bid Item number 43, SCADA allowance by **\$1,636.00 LS**

This field order will be a total **INCREASE** of **\$3,763.00**

Should you have any questions regarding this matter, please contact this office.

ISSUED

ACKNOWLEDGED


Rebecca Howley, P.E.

By: _____

Copy: Matt Woodard, City of Manor

Item No.	Description	Units	Estimated Quantity	Unit Cost	Cost
1	Mobilization	LS	1	\$ 70,000	\$ 70,000
2	Demolition, Removal, and Salvage	LS	1	\$ 35,100	\$ 35,100
3	Asphalt Surface	SF	1910	\$ 15	\$ 28,650
4	Ribbon Curb	LF	136	\$ 8	\$ 1,088
5	Silt Fence	LF	409	\$ 5	\$ 2,045
6	Stabilized Construction Entrance	EA	2	\$ 4,500	\$ 9,000
7	Ground Cover	SF	502	\$ 10	\$ 5,020
8	15" Pipe	LF	34	\$ 245	\$ 8,330
9	Wetwell coating	SF	1383.5	\$ 50	\$ 69,175
10	Replace Hoist and Festoon System on JIB crane	EA	2	\$ 18,000	\$ 36,000
11	Sandblast and coat piping	LS	1	\$ 22,000	\$ 22,000
12	Pump and Haul	LS	1	\$ 2,250	\$ 2,250
13	Concrete	SF	112	\$ 30	\$ 3,360
14	Shelter Light	EA	2	\$ 900	\$ 1,800
15	LED Area Light	EA	2	\$ 8,608	\$ 17,216
Bell Farm Specific					
16	Fencecrete	LF	260	\$ 85	\$ 22,100
17	Fencecrete Gate	LF	20	\$ 650	\$ 13,000
18	10' Dia. Wet Well Expansion	LS	1	\$ 110,000	\$ 110,000
19	Surge Relief Valve	EA	1	\$ 26,900	\$ 26,900
20	6" Plug Valve	EA	1	\$ 4,342	\$ 4,342
21	Replace Pump Piping and Railing System	LS	1	\$ 195,780	\$ 195,780
22	Haliday access hatch with Safety Grating	EA	1	\$ 14,060	\$ 14,060
23	Replace Check Valve	EA	2	\$ 5,760	\$ 11,520
24	OdaKilla Odor Control System	EA	1	\$ 41,540	\$ 41,540
25	Wet Well Junction Box	EA	1	\$ 57,745	\$ 57,745
26	Replace Electrical Shelter	LS	1	\$ 25,220	\$ 25,220
27	Replace Control Panel	LS	1	\$ 92,315	\$ 92,315
28	Replace Generator	LS	1	\$ 100,400	\$ 100,400
29	Remove SCADA Tower and Remount Antenna	LS	1	\$ 3,370	\$ 3,370
30	SCADA Allowance	LS	1	\$ 18,072	\$ 18,072
Presidential Glen Specific					
31	Wheel Stops	EA	2	\$ 950	\$ 1,900
32	6' Dia. Wet Well Expansion	LS	1	\$ 80,375	\$ 80,375
33	8" DI vent pipe with bollard	LS	1	\$ 14,710	\$ 14,710
34	Surge Relief Valve	EA	1	\$ 24,445	\$ 24,445
35	6" Plug Valve	EA	1	\$ 6,032	\$ 6,032
36	Replace Check Valves	EA	2	\$ 5,175	\$ 10,350
37	Replace Pump Piping and Railing System	LS	1	\$ 174,000	\$ 174,000
38	OdaKilla Odor Control System	EA	1	\$ 41,540	\$ 41,540
39	ARV quick connect cap	EA	1	\$ 150	\$ 150
40	Wet Well Junction Box	EA	1	\$ 83,215	\$ 83,215
41	RADAR level Sensor	LS	1	\$ 7,618	\$ 7,618
42	Control Panel	LS	1	\$ 96,000	\$ 96,000
43	SCADA Allowance	LS	1	\$ 18,199	\$ 18,199
Total					\$ 1,605,932

Presidential Glen Lift Station Asphalt Drive Alternate Bid					
Item No.	Description	Units	Estimated Quantity	Unit Cost	Cost
1	Asphalt Access Drive	SF	3600	\$ 25	\$ 90,000
2	Ribbon Curb	LF	490	\$ 8	\$ 3,920
3	Fencecrete	LF	215	\$ 85	\$ 18,275
4	Fencecrete Gate	LF	20	\$ 650	\$ 13,000
Subtotal					\$ 125,195

PROPOSAL (cont'd)

Bidder hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice to Proceed" from the Owner and to fully complete the work within following times:

Base Bid Work– FOUR HUNDRED SIX (406) calendar days for substantial completion of lift stations.

Base Bid Work– FOUR HUNDRED THIRTY-SIX (436) calendar days for final completion of all work.

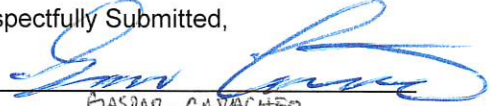
Upon receipt of a written notice to the acceptance of this bid, Bidder will execute the formal contract Agreement within ten (10) days and shall deliver the Surety Bonds and Insurance Certificate as required by the Instructions to Bidders.

Bid security as required by the Instructions to Bidders in the sum of 5%
(\$ GREATEST AMOUNT BID) is hereto attached.

The bid security is to become the property of the Owner in the event the Proposal is accepted by the Owner and the Agreement and bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Respectfully Submitted,

By


GASPAR CAPACHO

Title

PRESIDENT

(Corporate Seal,
if applicable)

JM PIPELINE
Business Name

825 MAGNOLIA LN.

COTTONWOOD SHORES, TX 78657
Address

830-953-1010
Telephone



QUOTE NO. 230104-02-RD Pricing Updated 230925
SCADA EQUIPMENT & SERVICES
PRESIDENTIAL GLEN LIFT STATION
MANOR, TEXAS
September 25, 2023

This quotation offers the City of Manor standard DFS "Pump-Controller Lift Station RTU" and associated DFS services for the above-referenced project. The TCU800 Pump-Controller is a pre-fabricated, pre-programmed, off-the-shelf level control device. Components utilized in this RTU are consistent with existing installations throughout the Manor Texas. Please review all information provided below. This quotation includes, and is limited to, the following.

Should you have any questions or require additional information, please don't hesitate to contact Robert Durham at rdurham@dataflowsys.com or by phone at 903-330-1548.

(1) RTU BILL OF MATERIAL\$ 13,596.00

INCLUDES THE FOLLOWING:

(1) Prefabricated TCU800 Enclosure Assembly, *includes:*

- (1) TCU800 Enclosure w/Plate, 316 SS, 24Hx20Wx8D
- (1) TCU800 Deluxe Snap-in Installation Kit w/Wire Harness (includes 1 Relay for Alarm Output)
- (1) TCU800 Harness Relay Adder Kit (adds 4 Relays for Pump Commands & Aux Output)
- (1) RTU Surge Protection Kit (TFS001, SPS001)
- (1) 3-Phase Surge Protector Kit (480vAC)
- (1) Polyphaser Coaxial Surge Protector
- (1) RF pigtail
- (1) 7 Ah Backup Battery

(1) TCU800 Pump Controller w/Integrated Radio

(1) LAA217 Omni Directional Fiberglass Antenna (NOTE: To be mounted by others, not less than 21 Ft AGL.)

(1) LMR400-DB Coaxial Cable w/Connectors & Heat Shrink (Coax up to 75 feet.)

(25) Band-it SS Cable Ties for Coaxial Cable

(1) Shipping, FOB Destination

(1) DFS SERVICES (PER DFS SCOPE OF WORK).....\$ 6,239.00

INCLUDES THE FOLLOWING:

(1) Onsite TCU Wiring, Central Site Configurations/HMI Screen (1 trip, up to 8 hours onsite)

(1) Onsite Startup Services (1 trip, up to 8 hours onsite)

(1) FCC Licensing Services

WORK TO BE PERFORMED BY DFS:

DFS will ship the entire Bill of Material to the contractor for mounting, conduit and wiring purposes. DFS wiring services are limited to those inside the TCU Enclosure (all other wiring is by others). DFS will complete all local TCU configurations and those required at the Utility's central site. Central site configurations include a TCU

graphical screen that is consistent with the City's other lift station sites. DFS will provide on-site start-up services for the SCADA equipment.

WORK TO BE PERFORMED BY THE CONTRACTOR / OTHERS:

1. DFS will ship the entire Bill of Material to the Contractor for installation by others.
2. The TCU shall be mounted in a standard DFS prefabricated 316 SS enclosure. DFS will ship the TCU enclosure to the contractor for mounting, conduit and wire. All wire terminations external to the TCU enclosure are by others.
3. Conduit, signal wire and 120 VAC power will be provided and installed by electrical subcontractor, in accordance with NEC. AC service wires, digital signal wires and analog circuit wires shall not occupy the same conduits. Analog signals require shielded 2-conductor wire. DFS recommends 16 AWG stranded wire for all other signals. Terminals with the TCU cannot accept signal wire that is solid core or larger than 12 AWG. Solid core wire or wire larger than 12AWG must not be used.
4. The required tower/support structure for SCADA Antenna shall be provided and installed by others. The antenna must be mounted no less than 35' high. The antenna mounting bracket is designed to be secured to a 1.25" diameter pole. DFS will ship the antenna and coaxial cable to contractor for mounting on the structure by others.
5. It is the responsibility of the contractor to coordinate antenna structure/mast location with the engineer/owner. DFS recommends locating it within 15' of the RTU panel to minimize coaxial cable length.
6. Conduit for coaxial cable. If required, this conduit shall be 2" minimum and routed from base of tower/structure to the SCADA panel for coaxial cable. All bends shall conform to NEC for smooth radius (lead sheath) bends 11" min. No LB's or right-angle fittings are permitted on this conduit.
7. Grounding and Bonding of the antenna tower, tower ground rod, RTU and Power Utilities ground rod is the responsibility of others. The grounds lugs and taps for all must be bonded together using a continuous single 6 AWG solid bare copper wire. Improper grounding will void the DFS lightning and surge warranty. A DFS grounding procedure is available online at <https://www.dataflowsys.com/wp-content/uploads/2021/01/DFS-RTU-Grounding-Procedure.pdf>
8. Provide and install all required level transducers, instrumentation, floats, etc.
9. Surge protection to protect devices outside of the SCADA panel is responsibility of instrumentation / device provider / others. Providers of instrumentation, devices and services are responsible for signal/noise quality to meet the requirements of the control/telemetry system.
10. Any required permitting, sealed drawings, and associated fees.

PRICING & TERMS:

This quotation totals \$19,835.00 (18,323.00 + \$1,512.00 SALES TAX @ 8.25%). ADD COST OF OPTIONAL SPARE IF REQUIRED. Pricing assumes credit approval by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Partial billing may occur as individual services are completed. Lead time is 8-10 weeks after receipt of order, or after approved submittal if required. Please review the Quotation Notes listed below. This quotation will be honored for 90 days.

OPTIONAL, IF REQUIRED BY SPECIFICATION:

(1) SPARE, TCU800 PUMP CONTROLLER W/INTEGRATED RADIO \$ 6,363.00 (includes \$489.00 sales tax)

QUOTATION NOTES:

1. Only those items and services specifically listed above are included in this quotation.
2. Lead time for submittal, if required, is 30 days after receipt of order.

3. Pricing totals include all applicable taxes. If you are tax exempt, notify DFS and the pricing in the contract documents will reflect the removal of taxes. A copy of your tax-exempt certificate will be required.
4. Pricing assumes credit approval of purchaser by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Those Terms and conditions may be viewed by visiting our website at <https://www.dataflowsys.com/wp-content/uploads/2022/03/DFS-GENERAL-TERMS-CONDITIONS.pdf>
5. While DFS is willing to consider Purchasers requests for alternate terms and conditions, the adoption of such terms and conditions will be at the sole discretion of DFS and will make necessary a commensurate adjustment in quoted price.
6. Worksite(s) must be accessible by DFS vehicles and DFS crews must have access to work site(s) to perform work during all daylight hours, seven (7) days a week excluding holidays.
7. All items shipped will be billed at the time of shipment. Shipping is included.
8. DFS imposes a surcharge of 3.5% (which is not greater than our cost of acceptance) on the transaction amount on all invoices for which payment is remitted via MasterCard and/or Visa credit card products.
9. This quotation does not include bonding, any required permitting, sealed drawings, or associated fees.
10. This quotation stipulates DFS' existing insurance provider(s) and policy coverage are acceptable to the Purchaser. DFS insurance information can be downloaded at
11. <https://www.dataflowsys.com/wp-content/uploads/2022/04/ACORD-Form-COI-thru-3-31-2023.pdf>
12. DFS prefers the adoption of our Agreement of Sale as the contract that will establish the terms under which DFS will participate in this project.



**QUOTE NO. 230104-02-RD
SCADA EQUIPMENT & SERVICES
PRESIDENTIAL GLEN LIFT STATION
MANOR, TEXAS
JANUARY 4, 2023**

This quotation offers the City of Manor standard DFS “Pump-Controller Lift Station RTU” and associated DFS services for the above-referenced project. The TCU800 Pump-Controller is a pre-fabricated, pre-programmed, off-the-shelf level control device. Components utilized in this RTU are consistent with existing installations throughout the Manor Texas. Please review all information provided below. This quotation includes, and is limited to, the following.

Should you have any questions or require additional information, please don’t hesitate to contact Robert Durham at rdurham@dataflowsys.com or by phone at 903-330-1548.

(1) RTU BILL OF MATERIAL\$ 12,908.00

INCLUDES THE FOLLOWING:

- (1) Prefabricated TCU800 Enclosure Assembly, *includes:*
 - (1) TCU800 Enclosure w/Plate, 316 SS, 24Hx20Wx8D
 - (1) TCU800 Deluxe Snap-in Installation Kit w/Wire Harness (includes 1 Relay for Alarm Output)
 - (1) TCU800 Harness Relay Adder Kit (adds 4 Relays for Pump Commands & Aux Output)
 - (1) RTU Surge Protection Kit (TFS001, SPS001)
 - (1) 3-Phase Surge Protector Kit (480vAC)
 - (1) Polyphaser Coaxial Surge Protector
 - (1) RF pigtail
 - (1) 7 Ah Backup Battery
- (1) TCU800 Pump Controller w/Integrated Radio
- (1) LAA217 Omni Directional Fiberglass Antenna (NOTE: To be mounted by others, not less than 21 Ft AGL.)
- (1) LMR400-DB Coaxial Cable w/Connectors & Heat Shrink (Coax up to 75 feet.)
- (25) Band-it SS Cable Ties for Coaxial Cable
- (1) Shipping, FOB Destination

(1) DFS SERVICES (PER DFS SCOPE OF WORK).....\$ 5,291.00

INCLUDES THE FOLLOWING:

- (1) Onsite TCU Wiring, Central Site Configurations/HMI Screen (1 trip, up to 8 hours onsite)
- (1) Onsite Startup Services (1 trip, up to 8 hours onsite)
- (1) FCC Licensing Services

WORK TO BE PERFORMED BY DFS:

DFS will ship the entire Bill of Material to the contractor for mounting, conduit and wiring purposes. DFS wiring services are limited to those inside the TCU Enclosure (all other wiring is by others). DFS will complete all local TCU configurations and those required at the Utility’s central site. Central site configurations include a TCU

graphical screen that is consistent with the City's other lift station sites. DFS will provide on-site start-up services for the SCADA equipment.

WORK TO BE PERFORMED BY THE CONTRACTOR / OTHERS:

1. DFS will ship the entire Bill of Material to the Contractor for installation by others.
2. The TCU shall be mounted in a standard DFS prefabricated 316 SS enclosure. DFS will ship the TCU enclosure to the contractor for mounting, conduit and wire. All wire terminations external to the TCU enclosure are by others.
3. Conduit, signal wire and 120 VAC power will be provided and installed by electrical subcontractor, in accordance with NEC. AC service wires, digital signal wires and analog circuit wires shall not occupy the same conduits. Analog signals require shielded 2-conductor wire. DFS recommends 16 AWG stranded wire for all other signals. Terminals with the TCU cannot accept signal wire that is solid core or larger than 12 AWG. Solid core wire or wire larger than 12AWG must not be used.
4. The required tower/support structure for SCADA Antenna shall be provided and installed by others. The antenna must be mounted no less than 35' high. The antenna mounting bracket is designed to be secured to a 1.25" diameter pole. DFS will ship the antenna and coaxial cable to contractor for mounting on the structure by others.
5. It is the responsibility of the contractor to coordinate antenna structure/mast location with the engineer/owner. DFS recommends locating it within 15' of the RTU panel to minimize coaxial cable length.
6. Conduit for coaxial cable. If required, this conduit shall be 2" minimum and routed from base of tower/structure to the SCADA panel for coaxial cable. All bends shall conform to NEC for smooth radius (lead sheath) bends 11" min. No LB's or right-angle fittings are permitted on this conduit.
7. Grounding and Bonding of the antenna tower, tower ground rod, RTU and Power Utilities ground rod is the responsibility of others. The grounds lugs and taps for all must be bonded together using a continuous single 6 AWG solid bare copper wire. Improper grounding will void the DFS lightning and surge warranty. A DFS grounding procedure is available online at <https://www.dataflowsys.com/wp-content/uploads/2021/01/DFS-RTU-Grounding-Procedure.pdf>
8. Provide and install all required level transducers, instrumentation, floats, etc.
9. Surge protection to protect devices outside of the SCADA panel is responsibility of instrumentation / device provider / others. Providers of instrumentation, devices and services are responsible for signal/noise quality to meet the requirements of the control/telemetry system.
10. Any required permitting, sealed drawings, and associated fees.

PRICING & TERMS:

This quotation totals \$18,199.00 (16,812.01 + \$1,386.99 SALES TAX @ 8.25%). ADD COST OF OPTIONAL SPARE IF REQUIRED. Pricing assumes credit approval by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Partial billing may occur as individual services are completed. Lead time is 8-10 weeks after receipt of order, or after approved submittal if required. Please review the Quotation Notes listed below. This quotation will be honored for 90 days.

OPTIONAL, IF REQUIRED BY SPECIFICATION:

(1) SPARE, TCU800 PUMP CONTROLLER W/INTEGRATED RADIO \$ 6,255.00 (includes \$476.71 sales tax)

QUOTATION NOTES:

1. Only those items and services specifically listed above are included in this quotation.
2. Lead time for submittal, if required, is 30 days after receipt of order.

3. Pricing totals include all applicable taxes. If you are tax exempt, notify DFS and the pricing in the contract documents will reflect the removal of taxes. A copy of your tax-exempt certificate will be required.
4. Pricing assumes credit approval of purchaser by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Those Terms and conditions may be viewed by visiting our website at <https://www.dataflowsys.com/wp-content/uploads/2022/03/DFS-GENERAL-TERMS-CONDITIONS.pdf>
5. While DFS is willing to consider Purchasers requests for alternate terms and conditions, the adoption of such terms and conditions will be at the sole discretion of DFS and will make necessary a commensurate adjustment in quoted price.
6. Worksite(s) must be accessible by DFS vehicles and DFS crews must have access to work site(s) to perform work during all daylight hours, seven (7) days a week excluding holidays.
7. All items shipped will be billed at the time of shipment. Shipping is included.
8. DFS imposes a surcharge of 3.5% (which is not greater than our cost of acceptance) on the transaction amount on all invoices for which payment is remitted via MasterCard and/or Visa credit card products.
9. This quotation does not include bonding, any required permitting, sealed drawings, or associated fees.
10. This quotation stipulates DFS' existing insurance provider(s) and policy coverage are acceptable to the Purchaser. DFS insurance information can be downloaded at
11. <https://www.dataflowsys.com/wp-content/uploads/2022/04/ACORD-Form-COI-thru-3-31-2023.pdf>
12. DFS prefers the adoption of our Agreement of Sale as the contract that will establish the terms under which DFS will participate in this project.



QUOTE NO. 230104-01-RD Pricing Updated 230925
SCADA EQUIPMENT & SERVICES
BELL FARMS LIFT STATION
MANOR, TEXAS
September 25, 2023

This quotation offers the City of Manor standard DFS “Pump-Controller Lift Station RTU” and associated DFS services for the above-referenced project. The TCU800 Pump-Controller is a pre-fabricated, pre-programmed, off-the-shelf level control device. Components utilized in this RTU are consistent with existing installations throughout the Manor Texas. Please review all information provided below. This quotation includes, and is limited to, the following.

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(1) RTU BILL OF MATERIAL\$ 13,960.00

INCLUDES THE FOLLOWING:

- (1) Prefabricated TCU800 Enclosure Assembly, *includes:*
 - (1) TCU800 Enclosure w/Plate, 316 SS, 24Hx20Wx8D
 - (1) TCU800 Deluxe Snap-in Installation Kit w/Wire Harness (includes 1 Relay for Alarm Output)
 - (1) TCU800 Harness Relay Adder Kit (adds 4 Relays for Pump Commands & Aux Output)
 - (1) RTU Surge Protection Kit (TFS001, SPS001)
 - (1) 3-Phase Surge Protector Kit (480vAC)
 - (1) Polyphaser Coaxial Surge Protector
 - (1) RF pigtail
 - (1) 7 Ah Backup Battery
- (1) TCU800 Pump Controller w/Integrated Radio
- (1) LAA217 Omni Directional Fiberglass Antenna (NOTE: To be mounted by others, not less than 10 Ft AGL.)
- (1) LMR400-DB Coaxial Cable w/Connectors & Heat Shrink (Coax up to 50 feet.)
- (10) Band-it SS Cable Ties for Coaxial Cable
- (1) Shipping, FOB Destination

(1) DFS SERVICES (PER DFS SCOPE OF WORK).....\$ 6,239.00

INCLUDES THE FOLLOWING:

- (1) Onsite TCU Wiring, Central Site Configurations/HMI Screen (1 trip, up to 8 hours onsite)
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2. The TCU shall be mounted in a standard DFS prefabricated 316 SS enclosure. DFS will ship the TCU enclosure to the contractor for mounting, conduit and wire. All wire terminations external to the TCU enclosure are by others.
3. Conduit, signal wire and 120 VAC power will be provided and installed by electrical subcontractor, in accordance with NEC. AC service wires, digital signal wires and analog circuit wires shall not occupy the same conduits. Analog signals require shielded 2-conductor wire. DFS recommends 16 AWG stranded wire for all other signals. Terminals with the TCU cannot accept signal wire that is solid core or larger than 12 AWG. Solid core wire or wire larger than 12AWG must not be used.
4. The required tower/support structure for SCADA Antenna shall be provided and installed by others. The antenna must be mounted no less than 35' high. The antenna mounting bracket is designed to be secured to a 1.25" diameter pole. DFS will ship the antenna and coaxial cable to contractor for mounting on the structure by others.
5. It is the responsibility of the contractor to coordinate antenna structure/mast location with the engineer/owner. DFS recommends locating it within 15' of the RTU panel to minimize coaxial cable length.
6. Conduit for coaxial cable. If required, this conduit shall be 2" minimum and routed from base of tower/structure to the SCADA panel for coaxial cable. All bends shall conform to NEC for smooth radius (lead sheath) bends 11" min. No LB's or right-angle fittings are permitted on this conduit.
7. Grounding and Bonding of the antenna tower, tower ground rod, RTU and Power Utilities ground rod is the responsibility of others. The grounds lugs and taps for all must be bonded together using a continuous single 6 AWG solid bare copper wire. Improper grounding will void the DFS lightning and surge warranty. A DFS grounding procedure is available online at <https://www.dataflowsys.com/wp-content/uploads/2021/01/DFS-RTU-Grounding-Procedure.pdf>
8. Provide and install all required level transducers, instrumentation, floats, etc.
9. Surge protection to protect devices outside of the SCADA panel is responsibility of instrumentation / device provider / others. Providers of instrumentation, devices and services are responsible for signal/noise quality to meet the requirements of the control/telemetry system.
10. Any required permitting, sealed drawings, and associated fees.

PRICING & TERMS:

This quotation totals \$20,199.00 (18,660.00+ \$1,539.00 SALES TAX @ 8.25%). ADD COST OF OPTIONAL SPARE IF REQUIRED. Pricing assumes credit approval by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Partial billing may occur as individual services are completed. Lead time is 8-10 weeks after receipt of order, or after approved submittal if required. Please review the Quotation Notes listed below. This quotation will be honored for 90 days.

OPTIONAL, IF REQUIRED BY SPECIFICATION:

(1) SPARE, TCU800 PUMP CONTROLLER W/INTEGRATED RADIO \$ 6,363.00 (includes \$485.00 sales tax)

QUOTATION NOTES:

1. Only those items and services specifically listed above are included in this quotation.
2. Lead time for submittal, if required, is 30 days after receipt of order.

3. Pricing totals include all applicable taxes. If you are tax exempt, notify DFS and the pricing in the contract documents will reflect the removal of taxes. A copy of your tax-exempt certificate will be required.
4. Pricing assumes credit approval of purchaser by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Those Terms and conditions may be viewed by visiting our website at <https://www.dataflowsys.com/wp-content/uploads/2022/03/DFS-GENERAL-TERMS-CONDITIONS.pdf>
5. While DFS is willing to consider Purchasers requests for alternate terms and conditions, the adoption of such terms and conditions will be at the sole discretion of DFS and will make necessary a commensurate adjustment in quoted price.
6. Worksite(s) must be accessible by DFS vehicles and DFS crews must have access to work site(s) to perform work during all daylight hours, seven (7) days a week excluding holidays.
7. All items shipped will be billed at the time of shipment. Shipping is included.
8. DFS imposes a surcharge of 3.5% (which is not greater than our cost of acceptance) on the transaction amount on all invoices for which payment is remitted via MasterCard and/or Visa credit card products.
9. This quotation does not include bonding, any required permitting, sealed drawings, or associated fees.
10. This quotation stipulates DFS' existing insurance provider(s) and policy coverage are acceptable to the Purchaser. DFS insurance information can be downloaded at
11. <https://www.dataflowsys.com/wp-content/uploads/2022/04/ACORD-Form-COI-thru-3-31-2023.pdf>
12. DFS prefers the adoption of our Agreement of Sale as the contract that will establish the terms under which DFS will participate in this project.



**QUOTE NO. 230104-01-RD
SCADA EQUIPMENT & SERVICES
BELL FARMS LIFT STATION
MANOR, TEXAS
JANUARY 4, 2023**

This quotation offers the City of Manor standard DFS “Pump-Controller Lift Station RTU” and associated DFS services for the above-referenced project. The TCU800 Pump-Controller is a pre-fabricated, pre-programmed, off-the-shelf level control device. Components utilized in this RTU are consistent with existing installations throughout the Manor Texas. Please review all information provided below. This quotation includes, and is limited to, the following.

Should you have any questions or require additional information, please don’t hesitate to contact Robert Durham at rdurham@dataflowsys.com or by phone at 903-330-1548.

(1) RTU BILL OF MATERIAL\$ 12,871.00

INCLUDES THE FOLLOWING:

- (1) Prefabricated TCU800 Enclosure Assembly, *includes:*
 - (1) TCU800 Enclosure w/Plate, 316 SS, 24Hx20Wx8D
 - (1) TCU800 Deluxe Snap-in Installation Kit w/Wire Harness (includes 1 Relay for Alarm Output)
 - (1) TCU800 Harness Relay Adder Kit (adds 4 Relays for Pump Commands & Aux Output)
 - (1) RTU Surge Protection Kit (TFS001, SPS001)
 - (1) 3-Phase Surge Protector Kit (480vAC)
 - (1) Polyphaser Coaxial Surge Protector
 - (1) RF pigtail
 - (1) 7 Ah Backup Battery
- (1) TCU800 Pump Controller w/Integrated Radio
- (1) LAA217 Omni Directional Fiberglass Antenna (NOTE: To be mounted by others, not less than 10 Ft AGL.)
- (1) LMR400-DB Coaxial Cable w/Connectors & Heat Shrink (Coax up to 50 feet.)
- (10) Band-it SS Cable Ties for Coaxial Cable
- (1) Shipping, FOB Destination

(1) DFS SERVICES (PER DFS SCOPE OF WORK).....\$ 5,291.00

INCLUDES THE FOLLOWING:

- (1) Onsite TCU Wiring, Central Site Configurations/HMI Screen (1 trip, up to 8 hours onsite)
- (1) Onsite Startup Services (1 trip, up to 8 hours onsite)
- (1) FCC Licensing Services

WORK TO BE PERFORMED BY DFS:

DFS will ship the entire Bill of Material to the contractor for mounting, conduit and wiring purposes. DFS wiring services are limited to those inside the TCU Enclosure (all other wiring is by others). DFS will complete all local TCU configurations and those required at the Utility’s central site. Central site configurations include a TCU

graphical screen that is consistent with the City's other lift station sites. DFS will provide on-site start-up services for the SCADA equipment.

WORK TO BE PERFORMED BY THE CONTRACTOR / OTHERS:

1. DFS will ship the entire Bill of Material to the Contractor for installation by others.
2. The TCU shall be mounted in a standard DFS prefabricated 316 SS enclosure. DFS will ship the TCU enclosure to the contractor for mounting, conduit and wire. All wire terminations external to the TCU enclosure are by others.
3. Conduit, signal wire and 120 VAC power will be provided and installed by electrical subcontractor, in accordance with NEC. AC service wires, digital signal wires and analog circuit wires shall not occupy the same conduits. Analog signals require shielded 2-conductor wire. DFS recommends 16 AWG stranded wire for all other signals. Terminals with the TCU cannot accept signal wire that is solid core or larger than 12 AWG. Solid core wire or wire larger than 12AWG must not be used.
4. The required tower/support structure for SCADA Antenna shall be provided and installed by others. The antenna must be mounted no less than 35' high. The antenna mounting bracket is designed to be secured to a 1.25" diameter pole. DFS will ship the antenna and coaxial cable to contractor for mounting on the structure by others.
5. It is the responsibility of the contractor to coordinate antenna structure/mast location with the engineer/owner. DFS recommends locating it within 15' of the RTU panel to minimize coaxial cable length.
6. Conduit for coaxial cable. If required, this conduit shall be 2" minimum and routed from base of tower/structure to the SCADA panel for coaxial cable. All bends shall conform to NEC for smooth radius (lead sheath) bends 11" min. No LB's or right-angle fittings are permitted on this conduit.
7. Grounding and Bonding of the antenna tower, tower ground rod, RTU and Power Utilities ground rod is the responsibility of others. The grounds lugs and taps for all must be bonded together using a continuous single 6 AWG solid bare copper wire. Improper grounding will void the DFS lightning and surge warranty. A DFS grounding procedure is available online at <https://www.dataflowsys.com/wp-content/uploads/2021/01/DFS-RTU-Grounding-Procedure.pdf>
8. Provide and install all required level transducers, instrumentation, floats, etc.
9. Surge protection to protect devices outside of the SCADA panel is responsibility of instrumentation / device provider / others. Providers of instrumentation, devices and services are responsible for signal/noise quality to meet the requirements of the control/telemetry system.
10. Any required permitting, sealed drawings, and associated fees.

PRICING & TERMS:

This quotation totals \$18,072.00 (16,694.69 + \$1,377.31 SALES TAX @ 8.25%). ADD COST OF OPTIONAL SPARE IF REQUIRED. Pricing assumes credit approval by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Partial billing may occur as individual services are completed. Lead time is 8-10 weeks after receipt of order, or after approved submittal if required. Please review the Quotation Notes listed below. This quotation will be honored for 90 days.

OPTIONAL, IF REQUIRED BY SPECIFICATION:

(1) SPARE, TCU800 PUMP CONTROLLER W/INTEGRATED RADIO \$ 6,255.00 (includes \$476.71 sales tax)

QUOTATION NOTES:

1. Only those items and services specifically listed above are included in this quotation.
2. Lead time for submittal, if required, is 30 days after receipt of order.

3. Pricing totals include all applicable taxes. If you are tax exempt, notify DFS and the pricing in the contract documents will reflect the removal of taxes. A copy of your tax-exempt certificate will be required.
4. Pricing assumes credit approval of purchaser by DFS and is based on DFS's General Terms & Conditions Governing Quotations and Performance. Those Terms and conditions may be viewed by visiting our website at <https://www.dataflowsys.com/wp-content/uploads/2022/03/DFS-GENERAL-TERMS-CONDITIONS.pdf>
5. While DFS is willing to consider Purchasers requests for alternate terms and conditions, the adoption of such terms and conditions will be at the sole discretion of DFS and will make necessary a commensurate adjustment in quoted price.
6. Worksite(s) must be accessible by DFS vehicles and DFS crews must have access to work site(s) to perform work during all daylight hours, seven (7) days a week excluding holidays.
7. All items shipped will be billed at the time of shipment. Shipping is included.
8. DFS imposes a surcharge of 3.5% (which is not greater than our cost of acceptance) on the transaction amount on all invoices for which payment is remitted via MasterCard and/or Visa credit card products.
9. This quotation does not include bonding, any required permitting, sealed drawings, or associated fees.
10. This quotation stipulates DFS' existing insurance provider(s) and policy coverage are acceptable to the Purchaser. DFS insurance information can be downloaded at
11. <https://www.dataflowsys.com/wp-content/uploads/2022/04/ACORD-Form-COI-thru-3-31-2023.pdf>
12. DFS prefers the adoption of our Agreement of Sale as the contract that will establish the terms under which DFS will participate in this project.