

Kern Fan Groundwater Storage Project

RESPONSE TO DEC REVIEW FINDINGS

Exhibit H: Cost Estimating Back-up Documentation

July 1, 2020



RCP Pipe Unit Cost Estimate (Material Only)

Curtis Skaggs

From: Stacie Vang <Stacie.Vang@forterrabp.com>
Sent: Wednesday, September 18, 2019 10:52 AM
To: Curtis Skaggs
Cc: Forterra Northern California Estimating; Edgar Benitez
Subject: RE: Forterra Contact Form Submission

Curtis,

Here are the budgetary cost estimates:

72" D25 = \$771.20 per foot
72" D100 = \$876.20 per foot

84" D25 = \$1091.80 per foot
84" D100 = \$1244.15 per foot

96" D25 = \$1141.25 per foot
96" D100 = \$1303.15 per foot

120" D25 = \$1723.25 per foot
120" D100 = \$1970.20 per foot

Includes delivery to Bakersfield, CA
ASTM C361, Wet Cast, Double O-Ring Rubber Gasket

*Regards,
Stacie Vang*



Stacie Vang
Estimator

7020 Tokay Avenue, Sacramento, CA 95828
T 916.313.5550 F 916.313.5550
stacie.vang@forterrabp.com
estimating.norcal@forterrabp.com
www.forterrabp.com

*****PLEASE SEND YOUR BID REQUESTS TO: Estimating.Norcal@ForterraBP.com**
*****Will Call hours are currently M-F from 7:00 a.m. to 3:00p.m.**



From: Curtis Skaggs <CSkaggs@djacivil.com>
Sent: Friday, September 13, 2019 1:06 PM

HDPE Pipe Unit Cost Estimate (Material Only)

Curtis Skaggs

From: Robert.Calvillo@Ferguson.com
Sent: Monday, April 23, 2018 11:50 AM
To: Robert.Calvillo@Ferguson.com
Subject: Email Bid# B335298

Price Quotation # B335298

FERGUSON WW BAKERSFIELD #2777

6300 DISTRICT BLVD
BAKERSFIELD, CA 93313-2142

Phone : 661-396-3230
Fax : 661-397-7429

Bid No.....: B335298
Bid Date....: 04/23/18
Quoted By: RXC
Customer.: WATERWORKS BIDDING CONTRACTORS
 6300 DISTRICT BLVD
 COD>>COD<<COD
 BAKERSFIELD, CA 93313

Cust Phone: 661-396-3230
Terms.....: CASH ON DEMAND
Ship To.....: WATERWORKS BIDDING CONTRACTORS
 6300 DISTRICT BLVD
 COD>>COD<<COD
 BAKERSFIELD, CA 93313

Cust PO#..: DJA HDPE STUDY

Job Name.: WONDERFUL DUCOR

| Item | Description | Quantity | Net Price | UM | Total |
|------------|--|----------|-----------|----|------------|
| | OPTION 1 | | | | |
| PEI17A4850 | 48X50 IPS DR17 HDPE PIPE <i>\$362/LF</i> | 28000 | 35210.000 | C | 9858800.00 |
| PEI17A4250 | 42X50 IPS DR17 HDPE PIPE <i>\$270/LF</i> | 4000 | 26957.143 | C | 1078285.72 |
| PEI17A1850 | 18X50 IPS DR17 HDPE PIPE <i>\$49/LF</i> | 7000 | 4858.571 | C | 340099.97 |
| | SUBTOTAL | | | | 11277185.6 |
| | OPTION 2 | | | | |
| PEI17A4250 | 42X50 IPS DR17 HDPE PIPE <i>\$273/LF</i> | 28000 | 27212.857 | C | 7619599.96 |
| PEI17A3650 | 36X50 IPS DR17 HDPE PIPE <i>\$200/LF</i> | 4000 | 19992.857 | C | 799714.28 |
| PEI17A1850 | 18X50 IPS DR17 HDPE PIPE <i>\$49/LF</i> | 7000 | 4904.286 | C | 343300.02 |
| | SUBTOTAL | | | | 8762614.26 |
| | OPTION 3 | | | | |
| PEI17A3650 | 36X50 IPS DR17 HDPE PIPE <i>\$202/LF</i> | 28000 | 20202.857 | C | 5656799.96 |
| PEI17A3050 | 30X50 IPS DR17 HDPE PIPE <i>\$140/LF</i> | 4000 | 14030.000 | C | 561200.00 |
| PEI17A1850 | 18X50 IPS DR17 HDPE PIPE <i>\$49/LF</i> | 7000 | 4955.714 | C | 346899.98 |
| | SUBTOTAL | | | | 6564899.94 |
| | OPTION 3 AND 4 WERE LIKE | | | | |
| | ITEMS | | | | |

| OPTION 5 | | | | | | |
|------------|--------------------------|----------|-------|-----------|---|------------|
| PEI17A3050 | 30X50 IPS DR17 HDPE PIPE | \$138/LF | 28000 | 13795.714 | C | 3862799.92 |
| PEI17A2450 | 24X50 IPS DR17 HDPE PIPE | \$87/LF | 4000 | 8662.857 | C | 346514.28 |
| PEI17A1650 | 16X50 IPS DR17 HDPE PIPE | \$39/LF | 7000 | 3848.571 | C | 269399.97 |
| SUBTOTAL | | | | | | 4478714.17 |
| OPTION 6 | | | | | | |
| PEI17A2450 | 24X50 IPS DR17 HDPE PIPE | \$87/LF | 28000 | 8640.000 | C | 2419200.00 |
| PEI17A1850 | 18X50 IPS DR17 HDPE PIPE | \$49/LF | 4000 | 4860.000 | C | 194400.00 |
| PEI17A1650 | 16X50 IPS DR17 HDPE PIPE | \$39/LF | 7000 | 3838.571 | C | 268699.97 |
| SUBTOTAL | | | | | | 2882299.97 |

Subtotal: \$33965714.03
Inbound Freight: \$0.00
Tax: \$2462514.28
Order Total: \$36428228.31

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at http://welseleyna.com/terms_conditionsSale.html. Govt Buyers: All items quoted are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.

WATER FLOW RATE NOTICE: Lavatory Faucets with flow rates over 0.5 GPM are not allowed for 'public use' in California.

PVC Pipe Unit Cost Estimate (Material Only)

Curtis Skaggs

From: Matt Hooker
Sent: Saturday, May 23, 2020 10:33 AM
To: Curtis Skaggs
Subject: FW: C900 Pricing

Follow Up Flag: Flag for follow up
Flag Status: Flagged

From: Gary.Spring@Ferguson.com <Gary.Spring@Ferguson.com>
Sent: Thursday, June 21, 2018 11:37 AM
To: Matt Hooker <MHooker@djacivil.com>
Subject: C900 Pricing

Matt, here are the budgetary prices you requested.

| | |
|--------------------|-------------|
| 30" DR25 C900 Pipe | \$84.64/Ft |
| 30" DR21 C900 Pipe | \$99.23/Ft |
| 36" DR25 C900 Pipe | \$121.89/Ft |
| 36" DR21 C900 Pipe | \$144.21/Ft |

Thank you

Gary Spring
[Ferguson Waterworks](#)

Outside Sales
6300 District Blvd. Bakersfield, Ca. 93313
T. (661) 201-0310
gary.spring@ferguson.com

From: Matt Hooker <MHooker@djacivil.com>
Sent: Friday, September 11, 2015 3:09 PM
To: Spring, Gary [Ferguson] - 0989 West Coast Plant Division <Gary.Spring@Ferguson.com>
Subject: RE: Valmatic Parts

Gary

Are these epoxy line, if not can they be?

Thanks
Matt

From: gspring@groeniger.com [<mailto:gspring@groeniger.com>]
Sent: Friday, September 11, 2015 10:54 AM
To: Matt Hooker
Subject: Valmatic Parts

Matt, here is the information you requested.

Check Valve Unit Cost Estimate (Material Only)

Curtis Skaggs

From: Matt Hooker
Sent: Saturday, May 23, 2020 10:32 AM
To: Curtis Skaggs
Subject: FW: 72" Tilting disc check valve

Follow Up Flag: Flag for follow up
Flag Status: Flagged

From: Dave Burrell <d.burrell@southwestvalve.com>
Sent: Tuesday, September 3, 2019 11:19 AM
To: Matt Hooker <MHooker@djacivil.com>
Subject: 72" Tilting disc check valve

Matt,

Pratt can do this 72" valve, it is quite expensive

42" \$130,000
60" \$302,000
72" \$460,000

These do not include any upper or lower buffers. Let me know if you need more information

Dave Burrell

*Southwest Valve, LLC
402 W. Bedford Ave, #111
Fresno, CA 93711
Phone: 559-261-2703
Fax: 559-261-2711
Cell: 714-493-4553*

Visit us online at www.southwestvalve.com

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Earthwork Unit Cost Estimate

Guinn Construction

6533 Rosedale Hwy.
Bakersfield, CA 93308
U.S.A.

Phone: (661) 325-6109
Fax: (661) 325-5173

| | |
|--|----------------------------|
| To: Dee Jasper | Contact: |
| Address: Bakersfield | Phone: |
| | Fax: |
| Project Name: Kern Fan Recharge | Bid Number: |
| Project Location: | Bid Date: 9/13/2019 |

Preliminary Estimate

| Item # | Item Description | Estimated Quantity | Unit | Unit Price | Total Price |
|--------|---|--------------------|------|-------------|----------------|
| 1 | Clearing & Grubbing | 200.00 | ACRE | \$1,163.70 | \$232,740.00 |
| 2 | Levee Over-Excavation and Re-Compaction Beneath Embankments | 235,000.00 | CY | \$4.60 | \$1,081,000.00 |
| 3 | Levee Keyway | 65,000.00 | CY | \$4.70 | \$305,500.00 |
| 4 | "Neat-Line" Levee Embankment Fill | 255,000.00 | CY | \$4.20 | \$1,071,000.00 |
| 5 | Mobilization/General Requirements | 1.00 | LS | \$99,668.34 | \$99,668.34 |

Total Bid Price: \$2,789,908.34

Notes:

- Surveying, testing, and inspection services to be performed by others.
- Construction water to be made available onsite by owner.
- No provisions have been made for demolition or disposal.
- Deleterious and vegetative materials will be stockpiled onsite.
- No provisions have been made for hydroseeding or other erosion control on slopes.

| | |
|---|---|
| <p>ACCEPTED: The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p> | <p>CONFIRMED: Guinn Construction</p> <p>Authorized Signature: _____</p> <p>Estimator: _____</p> |
|---|---|

HDPE Liner Unit Cost Estimate

D and E Construction

Visalia California

Estimate: 9/11/2019

Material and Install estimate (Cost of material may vary the cost)

| Item | Cost (ft ²) | Cost (per foot of canal) |
|--|---------------------------|----------------------------|
| 40 mil thickness HDPE | 56-58 cents a square foot | 39.20 – 40.60 dollars/foot |
| 60 mil thickness HDPE (recommended for canal) | 74-75 cents a square foot | 51.80 – 52.50 dollars/foot |
| Every pipe coming into canal (boot) | 250\$ | ----- |
| Every structure/building within the canal | 23 dollars / linear foot | ----- |

Central Intake - Lift Station

Application No: 6
 Invoice No: 544
 Invoice Date: 11/3/2017
 Terms: Net 30
 Due Date: 12/3/2017
 Period To: 10/31/2017
 Project No: 170317
 Contract Date:

Project: WSD Pumpstation PHI
 Stockdale HWY & Enos Ln
 Bakersfield, CA

To(OWNER): Rosedale Rio Bravo WSD
 849 Allen Rd
 Bakersfield, CA 93314

Via(Architect/
 Engineer)

From: Nicholas Construction Inc.
 251 Carsen Way
 Shafter, CA 93263
 (661) 391-8800

For:

| No. | Description | Total Quantity | Unit | Total Cost | Completed Units | Current Value | Prior Value | Due This Request |
|-----|--|----------------|------------|--------------|-----------------|---------------|-------------|------------------|
| 1A | MOB | 1 LS | 20,000.00 | 20,000.00 | 1 | 20,000.00 | 20,000.00 | 0.00 |
| 1B | SITE FACILITIES | 4 MO | 3,000.00 | 12,000.00 | 4 | 12,000.00 | 10,000.00 | 2,000.00 |
| 2A | DEMOB | 1 LS | 5,000.00 | 5,000.00 | 1 | 5,000.00 | 0.00 | 5,000.00 |
| 2B | FINAL SITE CLEANUP | 1 LS | 15,000.00 | 15,000.00 | 1 | 15,000.00 | 7,500.00 | 7,500.00 |
| 3 | DEVELOP & PROVIDE WATER SUPPLY | 1 LS | 7,000.00 | 7,000.00 | 1 | 7,000.00 | 5,250.00 | 1,750.00 |
| 4 | ENVIRONMENTAL COMPLIANCE | 1 LS | 4,000.00 | 4,000.00 | 1 | 4,000.00 | 3,000.00 | 1,000.00 |
| 5 | MAINTAIN RESTORE ACCESS ROUTES | 1 LS | 5,000.00 | 5,000.00 | 1 | 5,000.00 | 4,000.00 | 1,000.00 |
| 6 | FINISH GRADE - ROADS & STRUCT. CLEARING & GRUBBING | 1 LS | 5,000.00 | 5,000.00 | 1 | 5,000.00 | 0.00 | 5,000.00 |
| 7 | INSTALL FURNISHED 63" HDPE EXCAVATE STRUCTURE | 1 LS | 1,000.00 | 1,000.00 | 1 | 1,000.00 | 1,000.00 | 0.00 |
| 8 | BACKFILL STRUCTURE | 1 LS | 20,000.00 | 20,000.00 | 1 | 20,000.00 | 20,000.00 | 0.00 |
| 9A | CONST. OF CONCRETE FLOOR | 1 LS | 45,000.00 | 45,000.00 | 1 | 45,000.00 | 45,000.00 | 0.00 |
| 9B | CONST. OF CONCRETE WALLS | 1 LS | 45,000.00 | 45,000.00 | 1 | 45,000.00 | 45,000.00 | 0.00 |
| 10A | CONST. OF CONCRETE DECK | 1 LS | 450,000.00 | 450,000.00 | 1 | 450,000.00 | 450,000.00 | 0.00 |
| 10B | F&I TRANSDUCER WELLS | 1 LS | 100,000.00 | 100,000.00 | 1 | 100,000.00 | 100,000.00 | 0.00 |
| 10C | F&I SAFETY RAILS | 1 LS | 99,000.00 | 99,000.00 | 1 | 99,000.00 | 99,000.00 | 0.00 |
| 11 | F&I SAFETY CHAINS | 1 LS | 6,000.00 | 6,000.00 | 1 | 6,000.00 | 6,000.00 | 0.00 |
| 12 | F&I SAFETY LADDERS | 1 LS | 3,680.00 | 3,680.00 | 1 | 3,680.00 | 3,680.00 | 0.00 |
| 13 | F&I SAFETY LADDERS | 1 LS | 2,432.00 | 2,432.00 | 1 | 2,432.00 | 2,432.00 | 0.00 |
| 14 | CONST. P.S. EARTHEN PAD | 1 LS | 9,600.00 | 9,600.00 | 1 | 9,600.00 | 9,600.00 | 0.00 |
| 15 | F&I TRASH RACKS | 1 LS | 26,920.00 | 26,920.00 | 1 | 26,920.00 | 22,882.00 | 4,038.00 |
| 16 | F&I TRASH RACKS | 1 LS | 27,664.00 | 27,664.00 | 1 | 27,664.00 | 22,131.20 | 5,532.80 |
| 17 | F&I PUMP BAY DECKING | 1 LS | 41,107.00 | 41,107.00 | 1 | 41,107.00 | 10,276.75 | 30,830.25 |
| 18 | FURNISH STOP LOGS | 1 LS | 15,789.00 | 15,789.00 | 1 | 15,789.00 | 7,894.50 | 7,894.50 |
| 1.1 | Mobilize Cofferdam | 1 LS | 5,000.00 | 5,000.00 | 1 | 5,000.00 | 5,000.00 | 0.00 |
| 2.1 | Erection | 1 LS | 25,000.00 | 25,000.00 | 1 | 25,000.00 | 25,000.00 | 0.00 |
| 3.1 | Foundations | 1 LS | 25,000.00 | 25,000.00 | 1 | 25,000.00 | 25,000.00 | 0.00 |
| 4.1 | Setting Cofferdam | 1 LS | 25,000.00 | 25,000.00 | 1 | 25,000.00 | 25,000.00 | 0.00 |
| 5.1 | Dewatering and Verification | 1 LS | 25,000.00 | 25,000.00 | 1 | 25,000.00 | 25,000.00 | 0.00 |
| | | | | 1,071,192.00 | 1,071,192.00 | 999,646.45 | 71,545.55 | |

ESTIMATE NO.: 10
PROJECT: 2014 DROUGHT RELIEF PROJECT
CONSTRUCTING THE PUMPING PLANT PHASE 2
OWNER: ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

CONSTRUCTION CONTRACT SUMMARY

| Item No. | Description | Estimated | | Quantity | | Unit Price | Bid Amount | Earnings | |
|--|--|-----------|------|----------|---------|--------------|--------------|-------------|--------------|
| | | Quan. | Unit | Period | To Date | | | Period | To Date |
| 1.0 PROJECT WIDE: MOBILIZATION, DEMOBILIZATION, WATER SUPPLY, ENVIRONMENTAL, ACCESS, FINISH GRADING, ETC | | | | | | | | | |
| 1a) | Mobilization | 1 | LS | 5% | 100% | \$114,050.00 | | \$5,702.50 | \$114,050.00 |
| 1b) | Monthly Site Facilities | 5 | M | 0.25 | 5.00 | \$5,500.00 | | \$1,375.00 | \$27,500.00 |
| 1c) | De Mobilization | 1 | LS | 10% | 100% | \$12,500.00 | | \$1,250.00 | \$12,500.00 |
| 1d) | Environmental Compliance and Permitting | 5 | M | 0.25 | 5.00 | \$2,000.00 | | \$500.00 | \$10,000.00 |
| 1e) | Water Supply | 1 | LS | 5% | 100% | \$5,000.00 | | \$250.00 | \$5,000.00 |
| 1f) | Prepare, Maintain, and Restore Access Routes | 1 | LS | 10% | 100% | \$7,500.00 | | \$750.00 | \$7,500.00 |
| 1g) | Finish Grading of Project | 1 | LS | 50% | 100% | \$2,500.00 | | \$1,250.00 | \$2,500.00 |
| | | | | | | | \$179,050.00 | \$11,077.50 | \$179,050.00 |
| 2.0 UNDERGROUND PIPELINE: REMOVE 60" HDPE, FURNISH & INSTALL HDPE PIPE, INSTALL BUTTERFLY VALVES, ETC | | | | | | | | | |
| 2a) | Remove 60" HDPE ADS Pipe | 1 | LS | 0.00 | 1.00 | \$54,350.00 | | \$0.00 | \$54,350.00 |
| 2b) | Furnish & Install 63" HDPE Discharge Header | 1 | LS | 0% | 100% | \$84,000.00 | | \$0.00 | \$84,000.00 |
| 2c) | Furnish & Install 48" HDPE Discharge Header & Tee | 1 | LS | 0% | 100% | \$68,000.00 | | \$0.00 | \$68,000.00 |
| 2d) | Furnish & Install 48" HDPE Piping to 72" RCP | 1 | LS | 0% | 100% | \$94,000.00 | | \$0.00 | \$94,000.00 |
| 2e) | Furnish & Install 48" HDPE Piping Stockdale East Ponds | 1 | LS | 0% | 100% | \$94,000.00 | | \$0.00 | \$94,000.00 |
| 2f) | Install 48" Butterfly Valves | 3 | EA | 0.00 | 3.00 | \$18,000.00 | | \$0.00 | \$54,000.00 |
| 2g) | Furnish & Install 6" ARV | 1 | LS | 0% | 100% | \$10,000.00 | | \$0.00 | \$10,000.00 |
| 2h) | Install Flowmeter Velocity Sensors | 4 | EA | 0.00 | 4.00 | \$5,000.00 | | \$0.00 | \$20,000.00 |
| 2i) | Furnish & Install Bollards | 6 | EA | 0.00 | 6.00 | \$750.00 | | \$0.00 | \$4,500.00 |
| 2j) | Pressure Testing | 1 | LS | 0% | 100% | \$4,000.00 | | \$0.00 | \$4,000.00 |
| | | | | | | | \$486,850.00 | \$0.00 | \$486,850.00 |
| 3.0 PUMPS AND MOTORS: INSTAL PUMPS & MOTORS, PUMP DISCHARGES, STILLING WELLS, ETC | | | | | | | | | |
| 3a) | Install Pump & Modify Sole Plates | 1 | LS | 0% | 100% | \$35,450.00 | | \$0.00 | \$35,450.00 |
| 3b) | 24" Pump Discharge Piping | 2 | EA | 0.00 | 2.00 | \$98,500.00 | | \$0.00 | \$197,000.00 |
| 3c) | 30" Pump Discharge Piping | 3 | EA | 0.00 | 3.00 | \$133,500.00 | | \$0.00 | \$400,500.00 |
| 3d) | Low Water Stilling Well | 5 | EA | 0.00 | 5.00 | \$3,500.00 | | \$0.00 | \$17,500.00 |
| 3e) | 8" Stilling Well | 1 | LS | 0% | 100% | \$3,500.00 | | \$0.00 | \$3,500.00 |
| 3f) | 2" Stilling Well | 1 | LS | 0% | 100% | \$2,800.00 | | \$0.00 | \$2,800.00 |
| 3g) | Painting & Coating Mechanical | 1 | LS | 5% | 100% | \$21,000.00 | | \$1,050.00 | \$21,000.00 |
| | | | | | | | \$677,750.00 | \$1,050.00 | \$677,750.00 |
| 4.0 SITE WORK: GRADING, FENCING, EMERGENCY SPILLWAY, RIP RAP AND ALL WEATHER SURFACE (ROCK DUST) | | | | | | | | | |
| 4a) | Site Rough Grading | 1 | LS | 0% | 100% | \$25,500.00 | | \$0.00 | \$25,500.00 |
| 4b) | Emergency Spill Way | 1 | LS | 0% | 100% | \$22,500.00 | | \$0.00 | \$22,500.00 |
| 4c) | Furnish & Install Rip Rap | 1 | LS | 0% | 100% | \$8,600.00 | | \$0.00 | \$8,600.00 |
| 4d) | All Weather Surface | 1 | LS | 0% | 100% | \$55,000.00 | | \$0.00 | \$55,000.00 |
| 4e) | Fencing | 1 | LS | 0% | 100% | \$26,000.00 | | \$0.00 | \$26,000.00 |
| | | | | | | | \$137,600.00 | \$0.00 | \$137,600.00 |
| 5.0 ELECTRICAL POWER SERVICE: POWER SERVICE SITE ELECTRIC, METERING MAIN SWITCHBOARD | | | | | | | | | |
| 5a) | Switchgear Concrete Pad | 1 | LS | 0% | 100% | \$7,500.00 | | \$0.00 | \$7,500.00 |
| 5b) | Bollards | 15 | EA | 0.00 | 15.00 | \$500.00 | | \$0.00 | \$7,500.00 |
| 5c) | Furnish and Install Transformer Pad | 1 | LS | 0% | 100% | \$5,000.00 | | \$0.00 | \$5,000.00 |
| 5d) | Furnish and Install Metering Switchboard | 1 | LS | 0% | 98% | \$24,350.00 | | \$0.00 | \$23,863.00 |
| | | | | | | | \$44,350.00 | \$0.00 | \$43,863.00 |
| 6.0 ELECTRIC DISTRIBUTION: SITE ELECTRIC WORK & UNDERGROUND, DISTRIBUTION SWITCHBOARD, GROUNDING SYSTEM | | | | | | | | | |
| 6a) | Underground Electrical Conduit & Fittings | 1 | LS | 0% | 100% | \$337,500.00 | | \$0.00 | \$337,500.00 |
| 6b) | Underground Wire Installation and Connections | 1 | LS | 0% | 100% | \$15,000.00 | | \$0.00 | \$15,000.00 |
| 6c) | Precast Pull Boxes etc. | 1 | LS | 0% | 100% | \$20,000.00 | | \$0.00 | \$20,000.00 |
| 6d) | Above Ground Electrical Conduit & Fittings | 1 | LS | 0% | 100% | \$20,000.00 | | \$0.00 | \$20,000.00 |
| 6e) | Above Ground Wire Installation and Connection | 1 | LS | 0% | 100% | \$2,500.00 | | \$0.00 | \$2,500.00 |
| 6f) | Furnish & Install Distribution Switchboard | 1 | LS | 0% | 99% | \$96,220.00 | | \$0.00 | \$95,257.80 |
| | | | | | | | \$491,220.00 | \$0.00 | \$490,257.80 |
| 7.0 CONTROL BUILDING: CONTROL BUILDING & CONTROL BUILDING ELECTRICAL, HVAC, ETC | | | | | | | | | |
| 7a) | Furnish & Install Precast Control Building | 1 | LS | 0% | 99% | \$195,000.00 | | \$0.00 | \$193,050.00 |
| 7b) | Control Building HVAC | 1 | LS | 0% | 100% | \$61,000.00 | | \$0.00 | \$61,000.00 |
| 7c) | Control Building Grading & Foundation Prep | 1 | LS | 0% | 100% | \$20,000.00 | | \$0.00 | \$20,000.00 |
| 7d) | Building Electrical Conduit | 1 | LS | 0% | 99% | \$40,000.00 | | \$0.00 | \$39,600.00 |
| 7e) | Building Electrical Lighting | 1 | LS | 0% | 95% | \$12,000.00 | | \$0.00 | \$11,400.00 |
| 7f) | Building Electrical Pull Wire & Terminate | 1 | LS | 0% | 100% | \$51,000.00 | | \$0.00 | \$51,000.00 |
| | | | | | | | \$379,000.00 | \$0.00 | \$376,050.00 |
| 8.0 VARIABLE FREQUENCY DRIVES (VFD'S) | | | | | | | | | |
| 8a) | Furnish VFD's | 1 | LS | 0% | 100% | \$550,000.00 | | \$0.00 | \$550,000.00 |
| 8b) | Install VFD's | 1 | LS | 0% | 100% | \$52,700.00 | | \$0.00 | \$52,700.00 |
| | | | | | | | \$602,700.00 | \$0.00 | \$602,700.00 |
| 9.0 MONITORING & SECURITY: PRESSURE, LEVEL & FLOAT SWITCHES, FLOWMETERS, SITE LIGHTING | | | | | | | | | |
| 9a) | Furnish & Install Pressure Instruments | 1 | LS | 0% | 100% | \$19,500.00 | | \$0.00 | \$19,500.00 |
| 9b) | Furnish & Install Level Instruments | 1 | LS | 0% | 100% | \$16,800.00 | | \$0.00 | \$16,800.00 |
| 9c) | Furnish & Install Site Lighting | 1 | LS | 0% | 100% | \$21,000.00 | | \$0.00 | \$21,000.00 |
| 9d) | Furnish & Install Flow Meters | 1 | LS | 0% | 100% | \$18,000.00 | | \$0.00 | \$18,000.00 |
| | | | | | | | \$75,300.00 | \$0.00 | \$75,300.00 |
| 10.0 PLC COMMUNICATIONS & CONTROL: PLC PANEL, PLC PROGRAMMING, CELLULAR & SCADA COMMUNICATIONS | | | | | | | | | |
| 10a) | PLC & SCADA Control Submittals | 1 | LS | 0% | 60% | \$20,000.00 | | \$0.00 | \$12,000.00 |
| 10b) | Furnish and Install PLC Control, RTU, and Mission Panels | 1 | LS | 0% | 100% | \$118,900.00 | | \$0.00 | \$118,900.00 |
| 10c) | PLC Programming | 1 | LS | 10% | 100% | \$40,000.00 | | \$4,000.00 | \$40,000.00 |
| 10d) | Pull Wire & Terminate Connections @ PLC | 1 | LS | 0% | 100% | \$25,000.00 | | \$0.00 | \$25,000.00 |
| 10e) | Interconnect Diagrams | 1 | LS | 0% | 50% | \$15,000.00 | | \$0.00 | \$7,500.00 |
| | | | | | | | \$218,900.00 | \$4,000.00 | \$203,400.00 |

ESTIMATE NO.: 10
 PROJECT: 2014 DROUGHT RELIEF PROJECT
 CONSTRUCTING THE PUMPING PLANT PHASE 2
 OWNER: ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

CONSTRUCTION CONTRACT SUMMARY

| Item No. | Description | Estimated | | Quantity | | Unit Price | Bid Amount | Earnings | |
|--|--|-----------|------|----------|---------|------------|-----------------------|--------------------|-----------------------|
| | | Quan. | Unit | Period | To Date | | | Period | To Date |
| 11.0 | TESTING AND START UP: ELECTRICAL FIELD TESTING, PROTECTIVE DEVICE STUDIES, START UP | | | | | | | | |
| 11a) | Protective Devices Study | 1 | LS | 0% | 50% | \$7,500.00 | | \$0.00 | \$3,750.00 |
| 11b) | Electrical Field Testing | 1 | LS | 0% | 75% | \$7,500.00 | | \$0.00 | \$5,625.00 |
| 11c) | PLC Loop Testing | 1 | LS | 50% | 100% | \$7,500.00 | | \$3,750.00 | \$7,500.00 |
| 11d) | Startup and Test Pump Station | 1 | LS | 0% | 75% | \$9,000.00 | | \$0.00 | \$6,750.00 |
| 11e) | Training | 1 | LS | 0% | 0% | \$1,700.00 | | \$0.00 | \$0.00 |
| | | | | | | | \$33,200.00 | \$3,750.00 | \$23,625.00 |
| Total of Base Bid (Sum of Items 1-11) | | | | | | | \$3,325,920.00 | \$19,877.50 | \$3,296,445.80 |
| Contract Change Orders | | | | | | | \$265,521.32 | \$17,201.32 | \$265,521.32 |
| Total Contract Earnings | | | | | | | \$3,591,441.32 | \$37,078.82 | \$3,561,967.12 |