



CITY OF CHANDLER JOB ORDER PROJECT AGREEMENT

Project Name: **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 2**

Project No. **WA2104.402**

This JOB ORDER PROJECT AGREEMENT ("Job Order") is made this _____ day of _____ 2022 ("Effective Date"), by and between the City of Chandler, an Arizona municipal corporation, ("City") and **PCL Construction, Inc.**, a Colorado corporation, ("JOC Contractor") and is entered into pursuant to Job Order Master Agreement No. JOC1915.401 ("JOC Master Agreement"). City and JOC Contractor may be referred to individually as "Party" or collectively as "Parties").

City and JOC Contractor, in consideration of the mutual covenants herein set forth, agree as follows:

RECITALS

- A. On or about January 14, 2020, the Parties entered into the JOC Master Agreement, which terms and conditions are made a part of and incorporated into this Job Order Project Agreement by this reference.
- B. City proposes to engage JOC Contractor to provide Pecos Surface Water Treatment Plant Filter Improvements – Phase 2 as more fully described in **Exhibit "A"**, which is attached to and made a part of this Job Order by this reference.
- C. JOC Contractor is ready, willing, and able to provide the services described in **Exhibit "A"** for the compensation and fees set forth and as described in **Exhibit "B"**, which is attached to and made a part of this Agreement by this reference.

ARTICLE 1. DESCRIPTION OF WORK

The Parties enter into this Job Order Project Agreement for the **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 2**, Project Number **WA2104.402**. The scope of work consists of Pecos Surface Water Treatment Plant Filter Improvements – Phase 2, all as more particularly set forth in **Exhibit "A"** attached hereto and incorporated herein by reference.

The JOC Contractor will not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment or change order and signed by the authorized signatories for each party.

Performance and Payment Bonds, as set forth in **Exhibit "C"** and **Exhibit "D"** respectively attached hereto and incorporated herein by reference, will be due prior to execution of each Job Order Project Agreement in the full amount of each Job Order.

At project completion, JOC Contractor must complete Contractor's Affidavit Regarding Settlement of Claims and Certificate of Completion, as set forth in **Exhibit "E"** and **Exhibit "F"** respectively attached hereto and incorporated herein by reference.

ARTICLE 2. PROJECT PRICE

City will pay JOC Contractor for completion of the Work in accordance with the JOC Master Agreement a fee not to exceed the Guaranteed Maximum Price of **\$1,684,593.88** Dollars determined and payable as set forth in JOC Master Agreement and **Exhibit "B"** attached hereto and made a part hereof by reference.

ARTICLE 3. CONTRACT TIME & SCHEDULE

JOC Contractor agrees to complete all Construction within **240** calendar days from the Notice to Proceed (NTP) Date.

ARTICLE 4. PARTICIPANTS

CITY:	Construction Project Manager: Russ Slotnick	
	Phone:	480-782-3411
	Email:	Russ.slotnick@chandleraz.gov
JOC CONTRACTOR:	PCL Construction, Inc.	
	1711 W. Greentree Dr., #201 Tempe, AZ 85284	
	JOC Contractor Representative: Adam Gordon	
	Phone:	602-717-7231
	Email:	ajgordon@pcl.com

SIGNATURE PAGE TO FOLLOW

IN WITNESS WHEREOF, the Parties have executed this Job Order as of the Effective Date.

"CITY"

CITY OF CHANDLER:

MAYOR Date

Recommended By:



Kimberly Moon, P.E.
CIP City Engineer

APPROVED AS TO FORM:

City Attorney

By:  _____

ATTEST:

City Clerk SEAL

"JOC CONTRACTOR"

PCL Construction, Inc.:

 6/13/22

Signature Date
Mike McKinney

Print Name

Vice President and District Manager
Title

ATTEST: If Corporation



Secretary

ADDRESS FOR NOTICE

PCL Construction, Inc.

1711 W. Greentree Dr., #201

Tempe, AZ 85284

EXHIBIT A
SCOPE OF WORK



Exhibit A – Scope of Work

- 1) The following scope is included in Proposal:
 - The project includes the removal of anthracite media and installation of sand media and GAC media and a filter aid polymer system at the Pecos Surface Water Treatment.

PCL Construction, Inc. scope of work includes, but not limited to the following.

1. Site Work:
 - a. Existing Utility Potholing
 - b. Survey / As-Builts
 - c. Removal of existing Type B Curb
 - d. Removal and replacement of asphalt
 - e. Furnish & install of new Direct Bury PVC Chemical Piping
 - f. Material haul offs
2. Demolition:
 - a. Removal of 84" of Existing Anthracite in Filters #1 - #4
 - b. Allowance for Concrete Repairs identified by Team in Filters #1 - #4
 - c. Allowance for Underdrain Grout Repairs identified by Team in Filters #1 - #4
3. Concrete:
 - a. Construction of Secondary Containment Curb in Disinfection Building
 - b. Construction of Sump in Disinfection Building
4. Metals:
 - a. Furnish & Install Polymer Mixing Tank Stairs
 - b. Furnish & Install FRP Equipment Table
 - c. Furnish & Install Portable Aluminum Access Platform
 - d. Furnish & Install Pipe Supports, bases, and grout
 - e. Furnish & Install Checkered Plate
5. Painting:
 - a. Painting of exposed piping and pipe identification
 - b. Finish coating of Polymer Mixing Stairs
6. Equipment:
 - a. Furnish & Install Dry Polymer System
 - b. Furnish & Install new GAC Media
 - c. Furnish & Install new Sand Media
7. Exposed Piping as shown on contract drawings
8. Electrical requirements as shown on contract drawings
9. Testing / Start Up
 - a. Programming (By others)

**EXHIBIT B
FEE SCHEDULE**



**JOC 1915.401 - WA2104.402 PECOS SURFACE WATER TREATMENT PLANT
FILTER MEDIA REPLACEMENT
CONSTRUCTION**

EXHIBIT "B-1"
Job Order Price Proposal
Summary Sheet

Negotiated Prices		
Subcontractor(s)		\$ 447,763.00
Subconsultant(s)		\$ 3,000.00
General Conditions		\$ 237,223.00
Preconstruction Labor (if applicable)		\$ -
Construction Labor (if applicable)		\$ 159,986.00
Materials and Equipment		\$ 418,430.00
SUBTOTAL (NEGOTIATED PRICES):		\$ 1,266,402.00
Overhead and Profit (Coefficient per Job Order Master Agreement)	8.00%	\$ 101,312.16
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT):		\$ 1,367,714.16
Insurance, Bonds, & Taxes		
Sales Tax Percentage (Current Tax Rate)*	5.07%	\$ 74,188.00
General Liability Insurance Percentage **		\$ 10,975.00
Builder's Risk Insurance Percentage **		\$ 1,610.00
Payment & Performance Bond**		\$ 8,780.00
SUBTOTAL (INSURANCE, BONDS, & TAXES):		\$ 95,553.00
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT + INSURANCE, BONDS, & TAXES):		\$ 1,463,267.16
City's Allowance		\$ 146,326.72
Contractor's Allowance		\$ 75,000.00
TOTAL JOB ORDER:		\$ 1,684,593.88
		\$ -

Per the Job Order Master Agreement - This Fee Table includes all fees, price, insurance and bond premiums, allowances, construction contingency, and taxes of any type necessary to fully, properly and timely perform and construct the Work. Also per the Job Order Master Agreement - For any portion of the Work which, either through this Contract, Change Order or otherwise, is performed and paid for on a price, or time and materials basis, the prices may be reimbursed to JOC Contractor and chargeable against the Contract Price will be determined as set forth in MAG 109.5.

** Based on total contract amount*

*** Performance and payment bonds, general liability insurance, and builders risk insurance shall be assessed at .6%, .75%, .11% of the total Job Order value respectively.*



Clarifications, Assumptions, and Exclusions

1. CLARIFICATIONS / ASSUMPTIONS

1. PCL's price proposal is valid for 30 days upon receipt.
2. Due to current market conditions the project schedule milestones will be determined on actual release dates.
3. No soils report, PCL is assuming Class "C" materials
4. No dust control permit required, but PCL is carrying 500gal water dog for excavation / backfill operations as well as clean up.
5. PCL has priced out stair landings for polymer equipment as standard steal Primed / coated.
6. No chemical trench is included pricing includes Direct Bury PVC Piping.
7. PCL has assumed access and routing of Direct Bury PVC Piping will not be altered per discussions with the City of Chandler and Hazen due to unknown existing utilities.
8. Static Mixers / Rotameters no specification provided – PCL utilized plug numbers
9. No future chemical piping included in proposal
10. 1" CW line system per notes indicate to disinfect entire system. PCL has only included disinfection of PCL's modifications per contract drawings as the entire system is unknown
11. 3" Double containment piping with 1" Carrier Piping is included in Proposal.
12. Proposal is based on 84" depth of Anthracite to be removed.
13. Work Identified to be included in another project will be done prior to our scope of work.
14. Assuming all Filters will be assessable at one time.
15. Assuming we can store removed anthracite onsite and haul off all at the same time in lieu of disposal at time of removal.
16. No Underdrain work is included only an Allowance for Grout Repairs.
17. Replacement of Underdrain Caps is not included
18. Includes 2 Metering Pumps
19. Programming is not included, only coordination with Programmer
20. Dry Polymer System has an 8-9 Month Lead Time, 2 Months for Submittals, and 6 Months for Fabrication. Included in duration is the 2 weeks (10 workings days) for engineer's review.
21. GAC Material has a 4-5 Month Lead Time. Included in duration is the 2 weeks (10 working days) for engineer's review.
22. We have an allowance for Concrete Repairs of \$25,000, based on a Shallow Repair of 20ea at 1 sq ft and a Rebar Repair of 20ea at 4 sq ft.
23. We have an allowance for Underdrain Grout Repairs of \$25,000
24. Existing stucco / panted filter wall repair allowance of \$5,000 which only includes repairs required by PCL due to chemical line installation and not entire wall. Painting of entire wall excluded.
25. PCL has included a \$20,000 Subcontractor Escalation Allowance in the Construction Proposal.

26. Arc Flash, or Load Study is not included
27. Pump VFD's are not needed for these pumps and are not included.
28. Providing or installing of Filters 1,2,3,4 area PLC cabinets is not included
29. Providing or installing of mesh network panel is not included
30. Providing or installing of Dis area PLC is not included
31. Providing or installing of any fiberoptic raceways, fiber optic cabling, Fiber optic terminations, Fiber optic OTDR testing, or Fiber optic patch panels is not included
32. Dry Polymer System to be supplied with a Modicon M340 PLC and the Polymer Pumps are supplied with 1/4 HP brushless DC motors. And as such, VFD's and/or VFD Panels are not required or included.
33. Price Assumes the Release of the GAC Media will be before August 1st, 2022.
From August 1st, 2022 – November 1st, 2022, price per pound is: \$1.83/lb.
From November 2nd – February 1st, 2023, price per pound is: \$1.965/lb.
34. Direct Bury PVC includes 3'-0" Cover to top of Pipe will be PVC Pipe / Solvent Welded with No Tracer wire, Cathodic Protection or Pipe Wrap Included. Piping will be backfilled with Native Material and with Sand Bedding of Pipe. No Pipe Encasing is Included.
35. Dual Containment Piping is Included with Underground Chemical Piping.
36. No CIP/Precast Concrete Trench
37. No H2O rated trench covers
38. Yard Pipe only 1" SCH 80 PVC and includes FAP -1,2, & 3
39. FAP-4 Future not included within proposal

2. EXCLUSIONS:

1. Permits
2. Utility Company permits, fees or allowances
3. Hazardous material testing and remediation
4. VFD's for pumps
5. Replacement of underdrains
6. Pipe Heat Tracing & Insulation
7. Arch Flash Study or Load Studies
8. Electrical duct banks
9. No Soils Report provided. Hard Digging and any ground water dewatering operations Excluded
10. 3rd party testing
11. Programming excluded – Coordination with Programmer included
12. Removal of any underground electrical structures
13. Excludes extended warranties



Date	June 03, 2022
Time	10:20:38 AM
BE Number	BE220845
Opportunity No	
Owner File No	
Estimator	

General Estimate Summary & Item Analysis Sheet

Project	COC JOC Pecos SWTP Filter Media Replacement - R2 Construction
Location	Chandler, AZ, USA
Owner	
Designer	

Bid Closing

Project Start	April 19, 2022
Completion	April 19, 2022



CONSTRUCTION

BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement -

Location Chandler AZ, USA

Summary Page 1 of 2

Jun 03, 2022

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General Estimate Summary

Sheet Name	Description	Quantity UOM	Labor			Equipment			Services/ Tools / Supplies		Material		Subcontract		Total Cost	
			Hours	Rate	Total	Hours	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total
DIRECT PRICING																
DIV 2A	REMOVAL OF FILTER MEDIA	1 LS	224	54.11	12,121	---	---	---	---	---	---	7,700	---	161,820	---	181,641
DIV 2 B	EXCAVAE / LAY / BACFILL YARD PIPE	1 LS	547	54.89	30,047	292	---	10,051	---	6,598	---	77,584	---	4,272	---	128,552
DIV 3	CONCRETE	1 LS	209	54.11	11,310	13	---	287	---	4,983	---	1,244	---	633	---	18,456
DIV 5	MISC. METALS / FRP	1 LS	52	54.11	2,805	16	---	181	---	800	---	7,513	---	50,125	---	61,424
DIV 9	COATINGS	1 LS	---	---	---	---	---	---	---	---	---	---	---	29,653	---	29,653
DIV 11	EQUIPMENT	1 LS	816	56.27	45,914	80	---	31,154	---	200	---	22,754	---	---	---	100,022
DIV 15	MECHANICAL / PLUMBING	1 LS	944	54.50	51,459	140	---	8,604	---	5,100	---	44,706	---	---	---	109,869
DIV 16	ELECTRICAL	1 LS	---	---	---	---	---	---	---	---	---	---	---	201,260	---	201,260
DIRECT PRICING			2,792	---	153,655	542	---	50,278	---	17,680	---	161,501	---	447,763	---	830,877
GENERAL EXPENSE PRICING																
FIXED GENERAL EXPENSE			1 LS													
GE 3	F1 MOBILIZE & DEMOBILIZE	100 %	---	---	---	---	---	---	147.78	14,778	---	---	---	---	147.78	14,778
GE 5	F3 CONST TEMP BLDGS-FACL	100 %	16	54.11	866	---	---	---	10	1,000	---	---	---	---	18.66	1,866
GE 6	F4 INSTAL TEMP UTILITIES	100 %	---	---	---	---	---	---	40	4,000	---	---	---	---	40.00	4,000
GE 7	F5 DISMAN & RESTORE SITE	100 %	16	54.11	866	---	---	---	20	2,000	---	---	---	---	28.66	2,866
GE 8	F6 BOND	100 %	---	---	---	---	---	---	64.67	6,467	---	---	---	---	64.67	6,467
FIXED GENERAL EXPENSE			1 LS	32	---	1,732	---	---	---	28,245	---	---	---	---	---	29,977
VARIABLE GENERAL EXPENSE			1 LS													
GE 12	V2 OPERATE BLDGS-FACIL	100 %	---	---	---	1,038	16.71	1,671	---	---	---	---	---	---	16.71	1,671
GE 14	V4 OPERATE UTILITIES	100 %	---	---	---	---	---	---	98.50	9,850	---	---	---	---	98.50	9,850
GE 15	V5 OPERATE SUPPORT EQUIP	100 %	80	57.49	4,599	2,638	1,275	127,529	---	---	---	---	---	---	1,321.29	132,129
GE 17	V7 PROJECT STAFF	100 %	2,220	106.86	237,223	---	---	---	---	---	46.48	4,648	---	---	2,418.71	241,871
GE 19	V9 MANAGEMENT SERVICE	100 %	---	---	---	1,384	12.82	1,282	108.45	10,845	---	---	30.00	3,000	151.27	15,127
GE 20	V10 MISC JOB EXPENSE	100 %	---	---	---	---	---	---	9	900	---	---	---	---	9.00	900
GE 21	V11 EQUIP MAINTENANCE	100 %	---	---	---	---	---	---	40	4,000	---	---	---	---	40.00	4,000
VARIABLE GENERAL EXPENSE			1 LS	2,300	---	241,822	5,060	---	130,482	---	25,595	---	4,648	---	3,000	405,548

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Proprietary and Confidential



BE Number BE220845
Opportunity No
Owner File No
Project
Location

COC JOC Pecos SWTP Filter Media Replacement -
Chandler AZ, USA

General Estimate Summary

Sheet Name	Description	Quantity UOM	Labor			Equipment			Services/ Tools / Supplies		Material		Subcontract		Total Cost	
			Hours	Rate	Total	Hours	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total
GENERAL EXPENSE PRICING52.42% T.DC.			2,332	---	243,554	5,060	---	130,482	---	53,840	---	4,648	---	3,000	---	435,525
TOTAL COST			5,124	---	397,209	5,602	---	180,760	---	71,521	---	166,149	---	450,763	---	1,266,402
Fee8.00% T.C.															101,312	
Taxes / Bonds / Insurance																
1	Taxes / Bonds / Insurance	1 LS	---	---	---	---	---	---	95,553	---	---	---	---	---	95,553	
Taxes / Bonds / Insurance52.42% T.DC.			---	---	---	---	---	---	95,553	---	---	---	---	---	95,553	
Allowances																
2	Contractors Contingency	1 LS	---	---	---	---	---	---	221,327	---	---	---	---	---	221,327	
Allowances52.42% T.DC.			---	---	---	---	---	---	221,327	---	---	---	---	---	221,327	
TOTAL BID															1,684,594	



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

Detail Page 1 of 38

Jun 03, 2022

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Item Analysis Sheet

DIV 2A REMOVAL OF FILTER MEDIA 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Filter Media Removal (Filter 1-4)	1	LS															
	Assuming All Filter will be Accessable for Removal All At Once.																	
	Vacuum Truck Subcontractor	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	161,820	---	161,820
	Filter Media Removal (Filter 1-4)	1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	161,820	---	161,820
	Concrete Repairs	4	EA															
	After Media Removal a Team Inspection of the Filters will be done and limits of repairs will be identified.																	
	Prep work to Setup Work Platform, Protect Underdrains and Prep for Concrete Repairs and Cleanup after completion of repairs.																	
	Filter #1-#4 - Prep																	
	SP Crew	4	EA	0.042	24.000	96	SPC 54.11	5,195	---	---	---	---	---	---	---	---	1,298.67	5,195
	Work Platform	4	EA	---	---	---	---	---	---	---	---	---	300.00	1,200	---	---	300.00	1,200
	STS to Protect Underdrain	4	EA	---	---	---	---	---	---	---	---	---	125.00	500	---	---	125.00	500
	Cleanup Filter #1-#4																	
	SP Crew	4	EA	0.042	24.000	96	SPC 54.11	5,195	---	---	---	---	---	---	---	---	1,298.67	5,195
	Concrete Repairs	4.00	EA	0.021	48.000	192	54.11	10,389	---	---	---	---	425.00	1,700	---	---	3,022.35	12,089
	Leopold Inspection																	
	Leopold Inspection	2	EA	---	---	---	---	---	---	---	---	---	3,000.00	6,000	---	---	3,000.00	6,000
	SP Crew Assist Inspection	4	EA	0.125	8.000	32	SPC 54.11	1,732	---	---	---	---	---	---	---	---	432.89	1,732
	REMOVAL OF FILTER MEDIA	1.00	LS	---	---	224	54.11	12,121	---	---	---	---	---	7,700	---	161,820	---	181,641



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

Detail Page 2 of 38

Jun 03, 2022

10:20:39 AM

Item Analysis Sheet

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE 1.00 LS

Proprietary and Confidential

No.	Description	Quantity UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
					Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Potholing	8 HR	---	---	---	---	---	---	---	295.00	2,360	---	---	---	---	295.00	2,360
	Saw Cutting Includes initial Demo Cut / Final Cut for Asphalt Replacement																
	Asphalt Saw Cutting A CORE	860 LF	---	---	---	---	---	---	---	0.800000	688	---	---	---	---	0.800000	688
	Mobilize - A CORE	2 EA	---	---	---	---	---	---	---	---	---	200.00	400	---	---	200.00	400
	Asphalt Removal	1,613 SF															
2	SP Crew	1,613 SF	100.000	0.010	32	SPC 54.11	1,746	---	---	---	---	---	---	---	---	1.08	1,746
	Bckho-Ldr Ct 420C 1.0cy	1,613 SF	100.000	0.010	16	OP2 57.49	927	52.02	839	---	---	---	---	---	---	1.10	1,766
	Asphalt Removal	1,613.00 SF	33.333	0.030	48	55.24	2,673	0.520159	839	---	---	---	---	---	---	2.18	3,512
	Asphalt Replacement	430 SF															
	Assuming 4" Thick																
	Asphalt Subcontractor	430 SF	---	---	---	---	---	---	---	---	---	---	---	5.00	2,150	5.00	2,150
	Mobilize	1 EA	---	---	---	---	---	---	---	---	---	---	---	1,500.00	1,500	1,500.00	1,500
	Asphalt Replacement	430.00 SF	---	---	---	---	---	---	---	---	---	---	---	8.49	3,650	8.49	3,650
	Demo Type B Curb	0.50 CY															
2	SP Crew Demo / Saw Cut	0.50 CY	0.250	4.000	4	SPC 54.11	216	---	---	---	---	---	---	---	---	432.89	216
	Bckho-Ldr Ct 420C 1.0cy	0.50 CY	0.250	4.000	2	OP2 57.49	115	52.02	104	---	---	---	---	---	---	438.04	219
	Hammer - 1700 lbs/ft	8 HR	1.000	1.000	---	---	---	20.32	163	---	---	---	---	---	---	20.32	163
	Blade	1 LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	Demo Type B Curb	0.50 CY	0.083	12.000	6	55.24	331	533.19	267	400.00	200	---	---	---	---	1,596.06	798
	Concrete Curb Replacement	2 CY															
	Subgrade Prep	20 SF															

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DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE**1.00**



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

Detail Page 3 of 38

Jun 03, 2022

10:20:39 AM

Item Analysis Sheet

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
2	Foundation Prep	20	SF	10.000	0.100	4	SPC 54.11	216	---	---	---	---	---	---	---	---	10.82	216
	Trench Compactor 24"-33"	20	SF	10.000	0.100	---	---	---	45.07	90	---	---	---	---	---	---	4.51	90
	Bckho-Ldr Ct 420C 1.0cy	20	SF	10.000	0.100	2	OP2 57.49	115	52.02	104	---	---	---	---	---	---	10.95	219
	Subgrade Prep	20.00	SF	3.333	0.300	6	55.24	331	9.71	194	---	---	---	---	---	---	26.28	526
	Concrete Formwork	68	SF															
	Fab Formwork	48	SF															
	Fab SOG Forms	48.00	SF															
2	Fab SOG Forms	48	SF	8.000	0.125	12	SPC 54.11	649	---	---	---	---	---	---	---	---	13.53	649
	Form Ply 3/4"	48	SF	---	---	---	---	---	---	---	2.57	123	---	---	---	---	2.57	123
	Dimen. Lumber (2x4-2x10)	96	BF	---	---	---	---	---	---	---	1.66	160	---	---	---	---	1.66	160
	Form Hardware	48	SF	---	---	---	---	---	---	---	0.250000	12	---	---	---	---	0.250000	12
	Fab Formwork	48.00	SF	4.000	0.250	12	54.11	649	---	---	6.15	295	---	---	---	---	19.67	944
	Erect & Strip Formwork	48	SF															
	Form Oil	48	SF	---	---	---	---	---	---	---	0.030000	1	---	---	---	---	0.030000	1
	Erect and Strip Supplies	48	SF	---	---	---	---	---	---	---	0.250000	12	---	---	---	---	0.250000	12
	Formwork																	
	SP Crew	48	SF	2.000	0.500	24	SPC 54.11	1,299	---	---	---	---	---	---	---	---	27.06	1,299
	Erect & Strip Formwork	48.00	SF	2.000	0.500	24	54.11	1,299	---	---	0.280000	13	---	---	---	---	27.34	1,312
	Concrete Formwork	68.00	SF	1.889	0.529	36	54.11	1,948	---	---	4.54	308	---	---	---	---	33.18	2,256
	03300 Cast In Place Concrete	2	CY															
	Concrete Materials	2.50	CY															

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE

1.00



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Jun 03, 2022

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Item Analysis Sheet

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Conc. 4000psi	2	CY	---	---	---	---	---	---	---	---	---	148.00	296	---	---	148.00	296
	Conc. 4000psi (Waste 5%)	0.50	CY	---	---	---	---	---	---	---	---	---	148.00	74	---	---	148.00	74
	Enviornmental Fee	1	LD	---	---	---	---	---	---	---	25.00	25	---	---	---	---	25.00	25
	Fuel Surcharge	1	LD	---	---	---	---	---	---	---	50.00	50	---	---	---	---	50.00	50
	Washout System	1	LD	---	---	---	---	---	---	---	25.00	25	---	---	---	---	25.00	25
	Short Load Fees	1	EA	---	---	---	---	---	---	---	250.00	250	---	---	---	---	250.00	250
	Conc. Placing Supplies	2	CY	---	---	---	---	---	---	---	20.00	40	---	---	---	---	20.00	40
	Concrete Materials	2.50	CY	---	---	---	---	---	---	---	156.00	390	148.00	370	---	---	304.00	760
	Concrete Placement	2	CY															
	SOG																	
	4 SOG	2	CY	1.000	1.000	8	54.11	433	---	---	---	---	---	---	---	---	216.45	433
	No Concrete Pumping Included																	
	Concrete Placement	2.00	CY	0.250	4.000	8	54.11	433	---	---	---	---	---	---	---	---	216.45	433
	03300 Cast In Place Concrete	2.00	CY	0.250	4.000	8	54.11	433	---	---	195.00	390	185.00	370	---	---	596.45	1,193
	03251 Concrete Joints	8	SF															
	Joint Prep - Sandblast	8	SF															
	Joint Prep	8	SF	2.000	0.500	4	54.11	216	---	---	---	---	---	---	---	---	27.06	216
	Comp 185 CFM Diesel	8	SF	2.000	0.500	---	---	---	21.41	86	---	---	---	---	---	---	10.70	86
	Greencut Supplies	8	SF	---	---	---	---	---	---	---	0.150000	1	---	---	---	---	0.150000	1
	Material / STS	1	LS	---	---	---	---	---	---	---	---	100	---	---	---	---	---	100
	Joint Prep - Sandblast	8.00	SF	2.000	0.500	4	54.11	216	10.70	86	12.65	101	---	---	---	---	50.41	403
	Joint Sealant	4	LF															

U01 STANDARD-LANDSCAPE-MASTER.RPT

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DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE**1.00**



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Joint Sealant	4	LF	---	---	---	---	---	---	---	---	---	6.00	24	---	---	6.00	24
	SP Crew	4	LF	4.000	0.250	1	SPC 54.11	54	---	---	---	---	---	---	---	---	13.53	54
	Sealant Gun / Rags / Expansion Joint Mtl.	1	LS	---	---	---	---	---	---	---	---	100	---	---	---	---	---	100
	Joint Sealant	4.00	LF	4.000	0.250	1	54.11	54	---	---	25.00	100	6.00	24	---	---	44.53	178
	Concrete Finishing	68	SF															
	Greencut Supplies	68	SF	---	---	---	---	---	---	---	0.150000	10	---	---	---	---	0.150000	10
	Concrete Finishing	68.00	SF	---	---	---	---	---	---	---	0.150000	10	---	---	---	---	0.150000	10
	03251 Concrete Joints	8.00	SF	1.600	0.625	5	54.11	271	10.70	86	26.43	211	3.00	24	---	---	73.95	592
	Curing	68	SF															
	Curing Labor	68	SF	68.000	0.015	1	SPC 54.11	54	---	---	---	---	---	---	---	---	0.795757	54
	Cure Supplies WET.	68	SF	---	---	---	---	---	---	---	1.00	68	---	---	---	---	1.00	68
	Curing	68.00	SF	68.000	0.015	1	54.11	54	---	---	1.00	68	---	---	---	---	1.80	122
	03200 Conc Reinforcement	5	TN															
	Assuming #4 Bar																	
	Reinforcement Sub	311	LB	---	---	---	---	---	---	---	---	---	---	---	2.00	622	2.00	622
	Drill & Dowel Rebar	4	EA															
	#5 Dowels	4	EA	---	---	---	---	---	---	---	---	---	5.00	20	---	---	5.00	20
	Drill In Dowels up to 12" Depth	4	EA	4.000	0.250	1	SPC 54.11	54	---	---	---	---	---	---	---	---	13.53	54
	STS Dowels / Epoxy / Bits	4	EA	---	---	---	---	---	---	---	31.25	125	---	---	---	---	31.25	125
	Drill & Dowel Rebar	4.00	EA	4.000	0.250	1	54.11	54	---	---	31.25	125	5.00	20	---	---	49.78	199
	03200 Conc Reinforcement	5.00	TN	5.000	0.200	1	54.11	54	---	---	25.00	125	4.00	20	124.40	622	164.22	821

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DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE**1.00**



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor		Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost		
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
Concrete Curb Replacement		2.00	CY	0.035	28.500	57	54.23	3,091	139.91	280	551.43	1,103	207.00	414	311.00	622	2,754.90	5,510
Yard Pipe		500	LF															
	Trench Plates - TSR	1	WK	---	---	---	---	---	---	---	786.80	787	---	---	---	---	786.80	787
	Delivery / Pickup - TSR	1	LS	---	---	---	---	---	---	---	---	400	---	---	---	---	---	400
	Purchase Yard Pipe Materials	1	LS	---	---	---	---	---	---	---	---	---	---	71,380	---	---	---	71,380
	Rigging STS	1	LS	---	---	---	---	---	---	---	---	50	---	---	---	---	---	50
	Installation STS	1	LS	---	---	---	---	---	---	---	---	50	---	---	---	---	---	50
	Testing STS	1	LS	---	---	---	---	---	---	---	---	---	---	200	---	---	---	200
Bedding Sand																		
	Bedding Sand	124	TN	---	---	---	---	---	---	---	---	---	19.20	2,381	---	---	19.20	2,381
MAG AB																		
	AB - Asphalt Area Only	36	TN	---	---	---	---	---	---	---	---	---	15.95	574	---	---	15.95	574
Unload / Handle																		
	SP Crew	2	HR	1.000	1.000	2	SPC 54.11	108	---	---	---	---	---	---	---	---	54.11	108
	Bckho-Ldr Ct 420C 1.0cy	2	HR	1.000	1.000	2	OP2 57.49	115	52.02	104	---	---	---	---	---	---	109.51	219
3" x 1" Chemical Piping		500	LF															
Ex / Lay / Bury		500	LF															
4	SP Crew	500	LF	7.813	0.128	256	SPC 54.11	13,853	---	---	---	---	---	---	---	---	27.71	13,853
2	Bckho-Ldr Ct 420C 1.0cy	500	LF	12.500	0.080	80	OP2 57.49	4,599	52.02	4,161	---	---	---	---	---	---	17.52	8,761
	Trench Compactor 24"-33"	500	LF	12.500	0.080	---	---	---	45.07	1,803	---	---	---	---	---	---	3.61	1,803
	Tank Trl Water 500 Gal	500	LF	12.500	0.080	---	---	---	3.88	155	---	---	---	---	---	---	0.310332	155
Ex / Lay / Bury		500.00	LF	1.488	0.672	336	54.92	18,452	12.24	6,119	---	---	---	---	---	---	49.14	24,571
Risers		2	EA															
2	SP Crew	2	EA	0.250	4.000	16	SPC 54.11	866	---	---	---	---	---	---	---	---	432.89	866

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE**1.00**

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BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 2 B	EXCAVAE / LAY / BACFILL YARD PIPE	1.00	LS
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Proprietary and Confidential

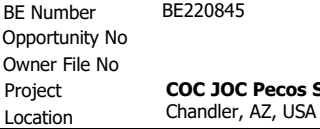
No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Bckho-Ldr Ct 420C 1.0cy	2	EA	0.250	4.000	8	OP2 57.49	460	52.02	416	---	---	---	---	---	---	438.04	876
	Trench Compactor 24"-33"	2	EA	0.250	4.000	---	---	---	45.07	361	---	---	---	---	---	---	180.28	361
	Tank Trl Water 500 Gal	2	EA	0.250	4.000	---	---	---	3.88	31	---	---	---	---	---	---	15.52	31
	Risers	2.00	EA	0.083	12.000	24	55.24	1,326	403.86	808	---	---	---	---	---	---	1,066.72	2,133
	Utility Crossings	1	EA															
2	SP Crew	1	EA	0.250	4.000	8	SPC 54.11	433	---	---	---	---	---	---	---	---	432.89	433
	Bckho-Ldr Ct 420C 1.0cy	1	EA	0.250	4.000	4	OP2 57.49	230	52.02	208	---	---	---	---	---	---	438.04	438
	Trench Compactor 24"-33"	1	EA	0.250	4.000	---	---	---	45.07	180	---	---	---	---	---	---	180.28	180
	Tank Trl Water 500 Gal	1	EA	0.250	4.000	---	---	---	3.88	16	---	---	---	---	---	---	15.52	16
	Crossing Support / Protection STS	1	LS	---	---	---	---	---	---	---	---	---	100	---	---	---	---	100
	Utility Crossings	1.00	EA	0.083	12.000	12	55.24	663	403.86	404	---	---	100.00	100	---	---	1,166.72	1,167
	Testing	3	EA															
2	SP Crew	3	EA	0.125	8.000	48	SPC 54.11	2,597	---	---	---	---	---	---	---	---	865.78	2,597
	Comp 185 CFM Diesel	3	EA	0.125	8.000	---	---	---	21.41	514	---	---	---	---	---	---	171.28	514
	Tank Trl Water 500 Gal	3	EA	0.125	8.000	---	---	---	3.88	93	---	---	---	---	---	---	31.03	93
	Testing	3.00	EA	0.063	16.000	48	54.11	2,597	202.31	607	---	---	---	---	---	---	1,068.10	3,204
	3" x 1" Chemical Piping	500.00	LF	1.190	0.840	420	54.85	23,038	15.88	7,938	---	---	0.200000	100	---	---	62.15	31,076
	Yard Pipe	500.00	LF	1.179	0.848	424	54.86	23,261	16.08	8,042	2.57	1,287	149.27	74,635	---	---	214.45	107,225
	Trucking / Haul Off	1	LS															
	Asphalt Removal																	
	Trucking	8	HR	---	---	---	---	---	---	---	120.00	960	---	---	---	---	120.00	960
	Dump Fee	8	EA	---	---	---	---	---	---	---	---	---	100.00	800	---	---	100.00	800
	Bckho-Ldr Ct 420C 1.0cy	8	HR	1.000	1.000	8	OP2 57.49	460	52.02	416	---	---	---	---	---	---	109.51	876
	Soil Removal																	
	Trucking	8	HR	---	---	---	---	---	---	---	---	---	120.00	960	---	---	120.00	960
	Dump Fee	5	EA	---	---	---	---	---	---	---	---	---	75.00	375	---	---	75.00	375

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DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE

1.00



Item Analysis Sheet

Proprietary and Confidential

DIV 2 B EXCAVAE / LAY / BACFILL YARD PIPE 1.00



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Jun 03, 2022

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Item Analysis Sheet

DIV 3	CONCRETE	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
03300 Cast In Place Concrete		2	CY															
Secondary Containment Curb																		
Equipment Pad for Storage Bin																		
Fab Formwork		98	SF															
2	Fab SOG Forms	98	SF	8.000	0.125	25	SPC 54.11	1,326	---	---	---	---	---	---	---	---	13.53	1,326
	Form Ply 3/4"	98	SF	---	---	---	---	---	---	---	2.57	252	---	---	---	---	2.57	252
	Dimen. Lumber (2x4-2x10)	196	BF	---	---	---	---	---	---	---	1.66	326	---	---	---	---	1.66	326
	Form Hardware	98	SF	---	---	---	---	---	---	---	0.250000	25	---	---	---	---	0.250000	25
Fab Formwork		98.00	SF	4.000	0.250	25	54.11	1,326	---	---	6.15	602	---	---	---	---	19.67	1,928
Erect & Strip Formwork		98	SF															
	Form Oil	98	SF	---	---	---	---	---	---	---	0.030000	3	---	---	---	---	0.030000	3
	Erect and Strip Supplies	98	SF	---	---	---	---	---	---	---	0.250000	25	---	---	---	---	0.250000	25
	SOG	89	SF	2.000	0.500	45	SPC 54.11	2,408	---	---	---	---	---	---	---	---	27.06	2,408
	Equipment Pad	9	SF	1.000	1.000	9	SPC 54.11	487	---	---	---	---	---	---	---	---	54.11	487
Erect & Strip Formwork		98.00	SF	1.832	0.546	54	54.11	2,895	---	---	0.280000	27	---	---	---	---	29.82	2,922
03300 Cast In Place Concrete		3	CY															
Concrete Materials		3.50	CY															
	Conc. 4000psi	3	CY	---	---	---	---	---	---	---	---	---	148.00	444	---	---	148.00	444
	Conc. 4000psi (Waste 5%)	0.50	CY	---	---	---	---	---	---	---	---	---	148.00	74	---	---	148.00	74
	Enviormental Fee	2	LD	---	---	---	---	---	---	---	25.00	50	---	---	---	---	25.00	50
	Fuel Surcharge	2	LD	---	---	---	---	---	---	---	47.00	94	---	---	---	---	47.00	94
	Washout System	2	LD	---	---	---	---	---	---	---	25.00	50	---	---	---	---	25.00	50
	Short Load Fees	3	EA	---	---	---	---	---	---	---	250.00	750	---	---	---	---	250.00	750
	Conc. Placing Supplies	33	CY	---	---	---	---	---	---	---	20.00	660	---	---	---	---	20.00	660

DIV 3	CONCRETE	1.00
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BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 3	CONCRETE	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor		Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost		
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
Concrete Materials		3.50	CY	---	---	---	---	---	---	458.29	1,604	148.00	518	---	---	606.29	2,122	
Concrete Placement		2	CY															
SOG / Equipment Pad						2.00	CY											
SOG		2	CY	0.083	12.005	24	SPC 54.11	1,299	---	---	---	---	---	---	---	649.60	1,299	
Concrete Placement		2.00	CY	0.083	12.005	24	54.11	1,299	---	---	---	---	---	---	---	649.60	1,299	
03251 Concrete Joints		67	SF															
Joint Prep - Sandblast		67	SF															
2 Joint Prep		67	SF	5.000	0.200	27	SPC 54.11	1,450	---	---	---	---	---	---	---	21.64	1,450	
Comp 185 CFM Diesel		67	SF	5.000	0.200	---	---	---	21.41	287	---	---	---	---	---	4.28	287	
Greencut Supplies		67	SF	---	---	---	---	---	---	---	0.150000	10	---	---	---	0.150000	10	
Material / STS		1	LS	---	---	---	---	---	---	---	---	500	---	---	---	---	500	
Joint Prep - Sandblast		67.00	SF	2.500	0.400	27	54.11	1,450	4.28	287	7.61	510	---	---	---	33.54	2,247	
Water Stop		50	LF															
Hydrophilic Waterstop		50	LF	---	---	---	---	---	---	---	---	---	7.12	356	---	---	7.12	356
WS Install		50	LF	20.000	0.050	3	SPC 54.11	135	---	---	---	---	---	---	---	2.71	135	
Water Stop		50.00	LF	20.000	0.050	3	54.11	135	---	---	---	---	7.12	356	---	---	9.83	491
03251 Concrete Joints		67.00	SF	2.287	0.437	29	54.11	1,585	4.28	287	7.61	510	5.31	356	---	---	40.87	2,738
Concrete Finishing		89	SF															
Greencut Supplies		89	SF	---	---	---	---	---	---	---	0.150000	13	---	---	---	---	0.150000	13
Finishing Supplies P/P		67	SF	---	---	---	---	---	---	---	0.250000	17	---	---	---	---	0.250000	17
Sack Rub		67	SF	---	---	---	---	---	---	---	0.250000	17	---	---	---	---	0.250000	17
Interior Wall Rub		67	SF	4.188	0.239	16	SPC 54.11	866	---	---	---	---	---	---	---	---	12.92	866

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DIV 3 CONCRETE

1.00



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 3	CONCRETE	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor		Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost		
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
Concrete Finishing		89.00	SF	5.563	0.180	16	54.11	866	---	---	0.526404	47	---	---	---	---	10.25	913
Curing		242	SF															
	Curing Labor	242	SF	242.000	0.004	1	SPC 54.11	54	---	---	---	---	---	---	---	---	0.223601	54
	Cure Supplies WET.	242	SF	---	---	---	---	---	---	---	1.00	242	---	---	---	---	1.00	242
Curing		242.00	SF	242.000	0.004	1	54.11	54	---	---	1.00	242	---	---	---	---	1.22	296
03200 Reinforcement		0.50	TN															
	Rebar Supply	422	LB	---	---	---	---	---	---	---	---	---	---	---	1.50	633	1.50	633
	SP Crew	422	LB	10.000	0.100	42	SPC 54.11	2,284	---	---	---	---	---	---	---	---	5.41	2,284
	Wire / Ties	1	LS	---	---	---	---	---	---	---	---	100	---	---	---	---	---	100
Drill & Dowel Rebar		50	EA															
	#4 Dowels (1'-2" Long)	74	EA	---	---	---	---	---	---	---	---	---	5.00	370	---	---	5.00	370
	Drill In Dowels up to 7"	74	EA	4.000	0.250	19	SPC 54.11	1,001	---	---	---	---	---	---	---	---	13.53	1,001
	Dowels / Epoxy / Bits	74	EA	---	---	---	---	---	---	---	25.00	1,850	---	---	---	---	25.00	1,850
Drill & Dowel Rebar		50.00	EA	2.703	0.370	19	54.11	1,001	---	---	37.00	1,850	7.40	370	---	---	64.42	3,221
03200 Reinforcement		0.50	TN	0.008	121.400	61	54.11	3,285	---	---	3,900.00	1,950	740.00	370	1,266.00	633	12,475.13	6,238
03300 Cast In Place Concrete		3.00	CY	0.023	43.670	131	54.11	7,089	95.63	287	1,450.97	4,353	414.66	1,244	211.00	633	4,535.30	13,606
03300 Cast In Place Concrete		2.00	CY	0.010	104.505	209	54.11	11,310	143.45	287	2,491.35	4,983	622.00	1,244	316.50	633	9,228.19	18,456
CONCRETE		1.00	LS	---	---	209	54.11	11,310	---	287	---	4,983	---	1,244	---	633	---	18,456

U01 STANDARD-LANDSCAPE-MASTER.RPT

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DIV 3 CONCRETE

1.00



BE Number BE220845

Opportunity No

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Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 5 MISC. METALS / FRP 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor		Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit
Polymer Mixing Tanks Stairs		1 EA															
	Polymer Mixint Platform PPS	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	47,125	---	47,125
	Engineering	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	3,000	---	3,000
	Non-Shrink Grout	1.20 CF	---	---	---	---	---	---	---	---	---	40.00	48	---	---	40.00	48
	SP Crew	1.20 CF	0.500	2.000	2	SPC 54.11	130	---	---	---	---	---	---	---	---	108.22	130
Polymer Mixing Tanks Stairs		1.00 EA	0.417	2.400	2	54.11	130	---	---	---	---	48.00	48	50,125.00	50,125	50,302.87	50,303
FRP Equipment Table		1 LS															
FRP Material covered in Procurement Proposal																	
	FRP Table - Fibergrate	1 LS	---	---	---	---	---	---	---	---	---	---	6,935	---	---	---	6,935
	SP Crew Install (Bolt Up)	50 EA	2.083	0.480	24	SPC 54.11	1,299	---	---	---	---	---	---	---	---	25.97	1,299
	SP Crew Grating	23 SF	6.000	0.167	4	SPC 54.11	207	---	---	---	---	---	---	---	---	9.02	207
	3/4" x 5" Adhesive Anchors	16 EA	---	---	---	---	---	---	---	---	---	8.00	128	---	---	8.00	128
	SP Crew Anchors	16 EA	4.000	0.250	4	SPC 54.11	216	---	---	---	---	---	---	---	---	13.53	216
	Non-Shrink Grout	1.80 CF	---	---	---	---	---	---	---	---	---	40.00	72	---	---	40.00	72
	SP Crew	1.80 CF	0.500	2.000	4	SPC 54.11	195	---	---	---	---	---	---	---	---	108.22	195
FRP Equipment Table		1.00 LS	---	---	35	54.11	1,917	---	---	---	---	---	7,135	---	---	---	9,052
Disinfection Building Sump Mods		1 LS															
Demo																	
Saw Cut Down & Chip 10" SQ x 3" Deep Sump																	
	Ferro Scan	4 HR	---	---	---	---	---	---	---	150.00	600	---	---	---	---	150.00	600
	Saw Cut	4 LF	2.000	0.500	2	SPC 54.11	108	---	---	---	---	---	---	---	---	27.06	108
	Comp 185 CFM Diesel	8 HR	1.000	1.000	---	---	---	21.41	171	---	---	---	---	---	---	21.41	171
	65b Hammer	8 HR	1.000	1.000	---	---	---	1.26	10	---	---	---	---	---	---	1.26	10

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DIV 5 MISC. METALS / FRP 1.00



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Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 5 MISC. METALS / FRP 1.00 LS

Proprietary and Confidential

No.	Description	Quantity UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
					Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
2	SP Crew Demo	0.10 CF	0.050	20.000	4	SPC 54.11	216	---	---	---	---	---	---	---	---	2,164.46	216
	Demo STS	1 LS	---	---	---	---	---	---	---	---	50	---	---	---	---	---	50
	Modification																
P	FRP Grating	1 SF	---	---	---	---	---	---	---	---	---	150.00	150	---	---	150.00	150
P	FRP L3xL3x3/8"	4 LF	---	---	---	---	---	---	---	---	---	25.00	100	---	---	25.00	100
	2 SP Crew (Grating / Angle)	4 LF	2.000	0.500	4	SPC 54.11	216	---	---	---	---	---	---	---	---	54.11	216
P	5/8" 316 ST Concrete Anchors	8 EA	---	---	---	---	---	---	---	---	---	10.00	80	---	---	10.00	80
	2 SP Crew Anchors	8 EA	4.000	0.250	4	SPC 54.11	216	---	---	---	---	---	---	---	---	27.06	216
	STS (Clips, Screws, Etc.)	1 LS	---	---	---	---	---	---	---	---	100	---	---	---	---	---	100
	Bits	1 LS	---	---	---	---	---	---	---	---	50	---	---	---	---	---	50
	Disinfection Building Sump Mods	1.00 LS	---	---	14	54.11	758	---	181	---	800	---	330	---	---	---	2,069
	MISC. METALS / FRP	1.00 LS	---	---	52	54.11	2,805	---	181	---	800	---	7,513	---	50,125	---	61,424



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Item Analysis Sheet

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DIV 9	COATINGS	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Includes Coating of Polymer Platforms Coatings Subcontractor - PPS	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	29,653	---	29,653
COATINGS		1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	29,653	---	29,653



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Item Analysis Sheet

DIV 11 EQUIPMENT 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Metering Pumps included in Procurement Proposal																	
	Assmbeily and Installation																	
	Assemble Metering Pupms	2	EA	0.125	8.000	16	SPC 54.11	866	---	---	---	---	---	---	---	---	432.89	866
	Install Metering Pumps	2	EA	0.250	4.000	8	SPC 54.11	433	---	---	---	---	---	---	---	---	216.45	433
	SS Bolts and Nuts for Mounting, Teflon Tape, Etc.																	
	STS	2	EA	---	---	---	---	---	---	---	---	---	100.00	200	---	---	100.00	200
	Temp Protection																	
	Materials	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	Temp Protection	8	HR	1.000	1.000	8	SPC 54.11	433	---	---	---	---	---	---	---	---	54.11	433
	Testing																	
	Startup and Testing	3	DY	0.125	8.000	24	SPC 54.11	1,299	---	---	---	---	---	---	---	---	432.89	1,299
	Operational/Function Testing																	
	Testing of Pumps	2	DY	0.125	8.000	16	SPC 54.11	866	---	---	---	---	---	---	---	---	432.89	866
	Vibration Test																	
	Vibration Test	1	DY	0.125	8.000	8	SPC 54.11	433	---	---	---	---	---	---	---	---	432.89	433
	GAC Media Provide and Installation - Subcontractor will Provide and Install Into Filter Beds, PCL to perform the remaining scope.																	
	72" of GAC (4-Filters 14' x 27' Two Cells Each - Filters 1 thru 4)																	
	Confined Space, Assume able to use Yard Hydrant at Filters to control dust																	
	Purchase GAC is Included in Procurement Proposal																	
	Cleaning Filters Prior to Sand Media Install																	
	Water, Disinfected Boots and Gloves for Placement																	
	Media Placement STS	4	EA	---	---	---	---	---	---	---	---	---	150.00	600	---	---	150.00	600
	Marking of Filters	4	EA	0.250	4.000	16	SPC 54.11	866	---	---	---	---	---	---	---	---	216.45	866
	Install GAC Media																	
	Install and Level Sand Each Layer (6" +/-)	4	EA	0.040	25.000	100	SPC 54.11	5,411	---	---	---	---	---	---	---	---	1,352.79	5,411
	Testing of GAC Media																	

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DIV 11 EQUIPMENT

1.00



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Item Analysis Sheet

DIV 11 EQUIPMENT 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Testing Lab (initial, after backwashing)	1	LS	---	---	---	---	---	---	---	---	---	---	8,000	---	---	---	8,000
	Level Check with Water	4	EA	0.100	10.000	40	SPCR 54.11	2,164	---	---	---	---	---	---	---	---	541.11	2,164
	Backwash Sand Media (3 Backwashes Minimum)	4	EA	0.100	10.000	40	SPCR 54.11	2,164	---	---	---	---	---	---	---	---	541.11	2,164
	Top Layer Removal	4	EA	0.100	10.000	40	SPCR 54.11	2,164	---	---	---	---	---	---	---	---	541.11	2,164
	Filter Component Verifications																	
	Trough check-out	4	EA	0.040	25.000	100	SPC 54.11	5,411	---	---	---	---	---	---	---	---	1,352.79	5,411
	Sand Filter Media																	
	12" of Sand Media under the 72" of GAC (4-Filters 14' x 27' Two Cells Each - Filters 1 thru 4)																	
	Confined Space, Assume able to use Yard Hydrant at Filters to control dust																	
	Sand Media Purchase							1.00 LS					68,274.00					
	Cleaning Filters Prior to Sand Media Install																	
	Vacuum/Sweep Filters	4	EA	0.250	4.000	16	SPCR 54.11	866	---	---	---	---	---	---	---	---	216.45	866
	Media Placement STS	4	EA	---	---	---	---	---	---	---	---	---	200.00	800	---	---	200.00	800
	Install Sand Media																	
	Crane Ruff Ter 80 Ton	4	EA	0.050	20.000	80	OP3 76.09	6,088	389.43	31,154	---	---	---	---	---	---	9,310.47	37,242
	Install and Level Sand	4	EA	0.040	25.000	100	SPCR 54.11	5,411	---	---	---	---	---	---	---	---	1,352.79	5,411
	Testing of Sand Media																	
	Testing Lab (initial, after backwashing)	1	LS	---	---	---	---	---	---	---	---	---	---	8,000	---	---	---	8,000
	Level Check with Water	4	EA	0.100	10.000	40	SPCR 54.11	2,164	---	---	---	---	---	---	---	---	541.11	2,164
	Backwash Sand Media (3 Backwashes Minimum)	4	EA	0.100	10.000	40	SPCR 54.11	2,164	---	---	---	---	---	---	---	---	541.11	2,164
	Top Layer Removal	4	EA	0.100	10.000	40	SPCR 54.11	2,164	---	---	---	---	---	---	---	---	541.11	2,164
	Disinfect Filters																	
	Disinfection Sub - State Wide	4	EA	---	---	---	---	---	---	---	---	---	976.00	3,904	---	---	976.00	3,904
	Dry Polymer Preparation System																	
	Purchase Dry Polymer System Is Included in Procurement Proposal																	

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DIV 11 EQUIPMENT

1.00



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Item Analysis Sheet

DIV 11 EQUIPMENT 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Install Dry Polymer System																	
	Equipment Pad for Dry Polymer System into Existing Floor																	
	Profile for Eq Pad	4	HR	1.000	1.000	4	SPC 54.11	216	---	---	---	---	---	---	---	---	54.11	216
	Install Dowels	8	HR	1.000	1.000	8	SPC 54.11	433	---	---	---	---	---	---	---	---	54.11	433
	F/P/S Equipment Pad	16	HR	1.000	1.000	16	SPC 54.11	866	---	---	---	---	---	---	---	---	54.11	866
	STS (Conc, Rebar, Etc)	1	LS	---	---	---	---	---	---	---	---	---	---	500	---	---	---	500
	Installation of Equipment																	
	Polymer System Crane / Dry Polymer System / Wet Polymer System																	
	Install Polymer System Crane/Tanks	48	HR	1.000	1.000	48	SPC 54.11	2,597	---	---	---	---	---	---	---	---	54.11	2,597
	Grout Feet	4	HR	1.000	1.000	4	SPC 54.11	216	---	---	---	---	---	---	---	---	54.11	216
	Dry Pack	4	HR	1.000	1.000	4	SPC 54.11	216	---	---	---	---	---	---	---	---	54.11	216
	STS (Epoxy, Anchors, Grout, Etc.)	1	LS	---	---	---	---	---	---	---	---	---	---	750	---	---	---	750
EQUIPMENT		1.00	LS	---	---	816	56.27	45,914	---	31,154	---	200	---	22,754	---	---	---	100,022



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Item Analysis Sheet

DIV 15	MECHANICAL / PLUMBING	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
Wall Penetrations		4 EA																
	4" Core Drill - A CORE	4 EA	---	---	---	---	---	---	---	---	112.50	450	---	---	---	---	112.50	450
	Non-Shrink Grout	1 LS	---	---	---	---	---	---	---	---	---	---	---	50	---	---	---	50
	Joint Sealant	1 LS	---	---	---	---	---	---	---	---	---	---	---	100	---	---	---	100
2	SP Crew Install	16 HR	1.000	1.000	32	SPC	54.11	1,732	---	---	---	---	---	---	---	---	108.22	1,732
Wall Penetrations		4.00 EA	0.125	8.000	32		54.11	1,732	---	---	112.50	450	37.50	150	---	---	582.89	2,332
Pipe Supports		1 LS																
Support Engineering Required per Note 4 on Sheet MD01																		
	Engineering	1 LS	---	---	---	---	---	---	---	---	---	---	---	2,500	---	---	---	2,500
	Pipe Support Mateials -CapFlo	1 LS	---	---	---	---	---	---	---	---	---	---	---	22,980	---	---	---	22,980
Disinfecton Building		1 LS																
	SP Crew Uni-Strut Install	100 LF	3.165	0.316	32	SPC	54.11	1,710	---	---	---	---	---	---	---	---	17.10	1,710
	SP Crew Clamp Install	100 EA	10.375	0.096	10	SPC	54.11	522	---	---	---	---	---	---	---	---	5.22	522
	SP Crew Pipe Hangers	8 EA	2.000	0.500	4	SPC	54.11	216	---	---	---	---	---	---	---	---	27.06	216
Anchors																		
	SP Crew	200 EA	3.125	0.320	64	SPC	54.11	3,463	---	---	---	---	---	---	---	---	17.32	3,463
	Bits / Epoxy	1 LS	---	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
Disinfecton Building		1.00 LS	---	---	109		54.11	5,911	---	---	---	200	---	---	---	---	---	6,111
Filters		1 LS																
	SP Crew Uni-Strut Install	160 LF	10.000	0.100	16	SPC	54.11	866	---	---	---	---	---	---	---	---	5.41	866
	SP Crew Clamp Install	160 EA	10.000	0.100	16	SPC	54.11	866	---	---	---	---	---	---	---	---	5.41	866
Anchors																		
	SP Crew	296 EA	3.083	0.324	96	SPC	54.11	5,195	---	---	---	---	---	---	---	---	17.55	5,195
	Bits / Epoxy	1 LS	---	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	Ldr Manlift 4WD 40'	40 HR	1.000	1.000	---	---	---	---	40.28	1,611	---	---	---	---	---	---	40.28	1,611

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DIV 15	MECHANICAL / PLUMBING	1.00
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Item Analysis Sheet

DIV 15 MECHANICAL / PLUMBING 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Filters	1.00	LS	---	---	128	54.11	6,926	---	1,611	---	200	---	---	---	---	---	8,738
	Pipe Supports	1.00	LS	---	---	237	54.11	12,837	---	1,611	---	400	---	25,480	---	---	---	40,329
	Exposed Pipe	1	LS															
	Purchase Pipe Materials	1	LS															
	Pipe Purchase - CapFlo	1	LS	---	---	---	---	---	---	---	---	---	---	19,076	---	---	---	19,076
	Includes Start Up																	
	Valves included in Procurement Proposal																	
	Unload & Store Materials																	
	Bckho-Ldr Ct 420C 1.0cy	4	HR	1.000	1.000	4	OP2 57.49	230	52.02	208	---	---	---	---	---	---	109.51	438
	2 Pipe Crew	4	HR	1.000	1.000	8	SPC 54.11	433	---	---	---	---	---	---	---	---	108.22	433
	Purchase Pipe Materials	1.00	LS	---	---	12	55.24	663	---	208	---	---	---	19,076	---	---	---	19,947
	Temporary Pipe Materials	1	LS															
	STS- Installation	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	STS- Rigging	1	LS	---	---	---	---	---	---	---	---	50	---	---	---	---	---	50
	STS- Testing	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	Temporary Pipe Materials	1.00	LS	---	---	---	---	---	---	---	---	450	---	---	---	---	---	450
	Install Piping	1	LS															
	Process Pipe Install	603	HR	1.000	1.000	603	SPC 54.11	32,629	---	---	---	---	---	---	---	---	54.11	32,629
	Install Piping	1.00	LS	---	---	603	54.11	32,629	---	---	---	---	---	---	---	---	---	32,629
	Pipe Testing	5	EA															

U01 STANDARD-LANDSCAPE-MASTER.RPT

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DIV 15 MECHANICAL / PLUMBING**1.00**



BE Number BE220845

Opportunity No

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Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

DIV 15 MECHANICAL / PLUMBING 1.00 LS

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Test Pipe Crew	5	EA	0.125	8.000	40	SPC 54.11	2,164	---	---	---	---	---	---	---	---	432.89	2,164
	Comp 185 CFM Diesel	5	EA	0.125	8.000	---	---	---	21.41	856	---	---	---	---	---	---	171.28	856
	Pipe Testing	5.00	EA	0.125	8.000	40	54.11	2,164	171.28	856	---	---	---	---	---	---	604.17	3,021
	Pipe Disinfection	1	EA															
	Disinfection of 1" CW																	
	Disinfection only includes PCL's installation																	
	Materials	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	SP Crew	4	HR	1.000	1.000	4	SPC 54.11	216	---	---	---	---	---	---	---	---	54.11	216
	Pipe Disinfection	1.00	EA	0.250	4.000	4	54.11	216	---	---	200.00	200	---	---	---	---	416.45	416
	Filter Gallery Chemical Pipe	1	LS															
	Crane Ruff Ter 65 Ton	16	HR	1.000	1.000	16	OP3 76.09	1,218	320.07	5,121	---	---	---	---	---	---	396.17	6,339
	Mob In / Out	2	EA	---	---	---	---	---	---	---	1,800.00	3,600	---	---	---	---	1,800.00	3,600
	Scissor Lift - 32' Electric	40	HR	1.000	1.000	---	---	---	20.17	807	---	---	---	---	---	---	20.17	807
	Filter Gallery Chemical Pipe	1.00	LS	---	---	16	76.09	1,218	---	5,928	---	3,600	---	---	---	---	---	10,746
	Exposed Pipe	1.00	LS	---	---	675	54.65	36,890	---	6,993	---	4,250	---	19,076	---	---	---	67,209
	MECHANICAL / PLUMBING	1.00	LS	---	---	944	54.50	51,459	---	8,604	---	5,100	---	44,706	---	---	---	109,869



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Item Analysis Sheet

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DIV 16	ELECTRICAL	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Electrical Subcontractor	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	201,260	---	201,260
	ELECTRICAL	1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	201,260	---	201,260



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Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

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Item Analysis Sheet

GE 3	F1 MOBILIZE & DEMOBILIZE	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	MOBILIZE	100	%															
	Freight In	100	%															
	Equipment Freight -IN	1	LS	---	---	---	---	---	---	---	---	7,389	---	---	---	---	---	7,389
	Freight In	100.00	%	---	---	---	---	---	---	---	73.89	7,389	---	---	---	---	73.89	7,389
	MOBILIZE	100.00	%	---	---	---	---	---	---	---	73.89	7,389	---	---	---	---	73.89	7,389
	DEMOBILIZE	100	%															
	Freight Out	100	%															
	Equipment Freight -OUT	1	LS	---	---	---	---	---	---	---	---	7,389	---	---	---	---	---	7,389
	Freight Out	100.00	%	---	---	---	---	---	---	---	73.89	7,389	---	---	---	---	73.89	7,389
	DEMOBILIZE	100.00	%	---	---	---	---	---	---	---	73.89	7,389	---	---	---	---	73.89	7,389
	F1 MOBILIZE & DEMOBILIZE	100.00	%	---	---	---	---	---	---	---	147.78	14,778	---	---	---	---	147.78	14,778



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Location Chandler, AZ, USA

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Item Analysis Sheet

GE 5	F3 CONST TEMP BLDGS-FACL	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Const/Set-Up Office Bldg	100	%															
	Conex w/ Office																	
	Set Up Office-Labor	16	HR	1.000	1.000	16	SPC 54.11	866	---	---	---	---	---	---	---	---	54.11	866
	Set Up Office-Material	1	EA	---	---	---	---	---	---	---	1,000.00	1,000	---	---	---	---	1,000.00	1,000
	Const/Set-Up Office Bldg	100.00	%	6.250	0.160	16	54.11	866	---	---	10.00	1,000	---	---	---	---	18.66	1,866
	F3 CONST TEMP BLDGS-FACL	100.00	%	6.250	0.160	16	54.11	866	---	---	10.00	1,000	---	---	---	---	18.66	1,866



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Project **COC JOC Pecos SWTP Filter Media Replacement - R2 Const**
Location Chandler, AZ, USA

Item Analysis Sheet

GE 6	F4 INSTAL TEMP UTILITIES	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Instal Power	1	EA															
	Temporary Const Power Set-up	1	LS	---	---	---	---	---	---	---	---	4,000	---	---	---	---	---	4,000
	Instal Power	1.00	EA	---	---	---	---	---	---	---	4,000.00	4,000	---	---	---	---	4,000.00	4,000
	F4 INSTAL TEMP UTILITIES	100.00	%	---	---	---	---	---	---	---	40.00	4,000	---	---	---	---	40.00	4,000

GE 6	F4 INSTAL TEMP UTILITIES	100.00
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Item Analysis Sheet

GE 7	F5 DISMAN & RESTORE SITE	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Dismantle Buildings	100	%															
	Dismantle Office-Labor	16	HR	1.000	1.000	16	SPC 54.11	866	---	---	---	---	---	---	---	---	54.11	866
	Dismantle Buildings	100.00	%	6.250	0.160	16	54.11	866	---	---	---	---	---	---	---	---	8.66	866
	Cleanup & Restore Site	100	%															
	Allowance	1	LS	---	---	---	---	---	---	---	---	2,000	---	---	---	---	---	2,000
	Cleanup & Restore Site	100.00	%	---	---	---	---	---	---	---	20.00	2,000	---	---	---	---	20.00	2,000
	F5 DISMAN & RESTORE SITE	100.00	%	6.250	0.160	16	54.11	866	---	---	20.00	2,000	---	---	---	---	28.66	2,866



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Location Chandler, AZ, USA

Item Analysis Sheet

GE 8	F6 BOND	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	SUBCONTRACT BOND	100	%															
	Sub-Contract	1	LS	---	---	---	---	---	---	---	---	6,467	---	---	---	---	---	6,467
	SUBCONTRACT BOND	100.00	%	---	---	---	---	---	---	---	64.67	6,467	---	---	---	---	64.67	6,467
	F6 BOND	100.00	%	---	---	---	---	---	---	---	64.67	6,467	---	---	---	---	64.67	6,467

GE 8	F6 BOND	100.00
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Item Analysis Sheet

GE 12	V2 OPERATE BLDGS-FACIL	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Office / Connex Trailer	100	%															
	Conex w/ Office	6	MO	1.000	1.000	---	---	---	1.61	1,671	---	---	---	---	---	---	278.48	1,671
	Office / Connex Trailer	100.00	%	---	---	---	---	---	16.71	1,671	---	---	---	---	---	---	16.71	1,671
	V2 OPERATE BLDGS-FACIL	100.00	%	---	---	---	---	---	---	1,671	---	---	---	---	---	---	16.71	1,671



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Item Analysis Sheet

GE 14	V4 OPERATE UTILITIES	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Oper Telephone System	100	%															
	Cellular Billing	---	MO	---	---	---	---	---	---	---	150.00	---	---	---	---	---	---	---
	Oper Telephone System	100.00	%	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Oper Potable Water Suply	100	%															
	Water Meter	1	LS	---	---	---	---	---	---	---	---	1,500	---	---	---	---	---	1,500
	Misc. Piping Materials / BFP	1	LS	---	---	---	---	---	---	---	---	800	---	---	---	---	---	800
	Backflow Preventor Certs	1	LS	---	---	---	---	---	---	---	---	300	---	---	---	---	---	300
	Water Billing	7	MO	---	---	---	---	---	---	---	50.00	350	---	---	---	---	50.00	350
	Oper Potable Water Suply	100.00	%	---	---	---	---	---	---	---	29.50	2,950	---	---	---	---	29.50	2,950
	Site Services	100	%															
	Portable Toilets	6	MO	---	---	---	---	---	---	---	350.00	2,100	---	---	---	---	350.00	2,100
	Garbage Pickup	6	MO	---	---	---	---	---	---	---	800.00	4,800	---	---	---	---	800.00	4,800
	Site Services	100.00	%	---	---	---	---	---	---	---	69.00	6,900	---	---	---	---	69.00	6,900
	V4 OPERATE UTILITIES	100.00	%	---	---	---	---	---	---	---	98.50	9,850	---	---	---	---	98.50	9,850



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Item Analysis Sheet

GE 15 V5 OPERATE SUPPORT EQUIP 100.00 %

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
VEHICLES		100 %																
Cars & Pickups		100 %																
	Trc Pickup 4x2	6 MO		1.000	1.000	---	---	---	32.82	34,072	---	---	---	---	---	---	5,678.63	34,072
Cars & Pickups		100.00 %		---	---	---	---	---	340.72	34,072	---	---	---	---	---	---	340.72	34,072
VEHICLES		100.00 %		---	---	---	---	---	340.72	34,072	---	---	---	---	---	---	340.72	34,072
EQUIPMENT		100 %																
Backhoe		100 %																
	Bckho-Ldr Ct 420C 1.0cy	1 MO		1.000	1.000	---	---	---	52.02	8,999	---	---	---	---	---	---	8,998.76	8,999
Backhoe		100.00 %		---	---	---	---	---	89.99	8,999	---	---	---	---	---	---	89.99	8,999
Compressors		100 %																
	Comp 185 CFM Diesel	0.25 MO		1.000	1.000	---	---	---	21.41	926	---	---	---	---	---	---	3,703.91	926
Compressors		100.00 %		---	---	---	---	---	9.26	926	---	---	---	---	---	---	9.26	926
Forklifts		100 %																
	Forklift, RT 8000# Reach	5 MO		1.000	1.000	---	---	---	81.50	70,495	---	---	---	---	---	---	14,099.02	70,495
	Forklift Operator	80 HR		1.000	1.000	80	57.49	4,599	---	---	---	---	---	---	---	---	57.49	4,599
Forklifts		100.00 %		1.250	0.800	80	57.49	4,599	704.95	70,495	---	---	---	---	---	---	750.95	75,095
Project Dust Control		1 LS																
	Tank Trl Water 500 Gal	2 MO		1.000	1.000	---	---	---	15.15	5,241	---	---	---	---	---	---	2,620.34	5,241

U01 STANDARD-LANDSCAPE-MASTER.RPT

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GE 15 V5 OPERATE SUPPORT EQUIP 100.00



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GE 15 V5 OPERATE SUPPORT EQUIP 100.00 %

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Project Dust Control	1.00	LS	---	---	---	---	---	---	5,241	---	---	---	---	---	---	---	5,241
	Trench Compactor	1	LS															
	Trench Compactor 24"-33"	1	MO	1.000	1.000	---	---	---	45.07	7,797	---	---	---	---	---	---	7,797.07	7,797
	Trench Compactor	1.00	LS	---	---	---	---	---	---	7,797	---	---	---	---	---	---	---	7,797
	EQUIPMENT	100.00	%	1.250	0.800	80	57.49	4,599	934.58	93,458	---	---	---	---	---	---	980.57	98,057
	V5 OPERATE SUPPORT EQUIP	100.00	%	1.250	0.800	80	57.49	4,599	---	127,529	---	---	---	---	---	---	1,321.29	132,129



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GE 17 **V7 PROJECT STAFF** **100.00** %

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Management	100 %																
	Project Manager	2.50 MO		1.000	1.000	433	ST1 130.81	56,683	---	---	---	---	---	---	---	---	22,673.21	56,683
	Management	100.00 %		0.231	4.333	433	130.81	56,683	---	---	---	---	---	---	---	---	566.83	56,683
	Engineering & Survey	100 %																
	Proj Eng.	3.50 MO		1.000	1.000	607	EN1 87.61	53,152	---	---	---	---	---	---	---	---	15,186.18	53,152
	Engineering & Survey	100.00 %		0.165	6.067	607	87.61	53,152	---	---	---	---	---	---	---	---	531.52	53,152
	Safety	100 %																
	Safety Engineer	64 HR		---	---	---	---	---	---	---	---	---	72.63	4,648	---	---	72.63	4,648
	Safety	100.00 %		---	---	---	---	---	---	---	---	---	46.48	4,648	---	---	46.48	4,648
	Supervision	100 %																
	Structure Supt.	6 MO		1.000	1.000	1,040	SU1 115.20	119,812	---	---	---	---	---	---	---	---	19,968.73	119,812
	Supervision	100.00 %		0.096	10.400	1,040	115.20	119,812	---	---	---	---	---	---	---	---	1,198.12	119,812
	Confined Space Watch	1 LS																
	Confined Space Watch	140 HR		1.000	1.000	140	SPC 54.11	7,576	---	---	---	---	---	---	---	---	54.11	7,576
	Confined Space Watch	1.00 LS		---	---	140	54.11	7,576	---	---	---	---	---	---	---	---	---	7,576
	V7 PROJECT STAFF	100.00 %		0.045	22.200	2,220	106.86	237,223	---	---	---	---	46.48	4,648	---	---	2,418.71	241,871

GE 17 **V7 PROJECT STAFF**

100.00



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GE 19 V9 MANAGEMENT SERVICE 100.00 %

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
P	Survey STS	100 %																
	Survey Sub Contract	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	1,500	---	1,500	
	Survey STS	100.00 %	---	---	---	---	---	---	---	---	---	---	---	15.00	1,500	15.00	1,500	
P	Quality Control STS	100 %																
	Quality Control Sub	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	1,500	---	1,500	
	Quality Control STS	100.00 %	---	---	---	---	---	---	---	---	---	---	---	15.00	1,500	15.00	1,500	
	Office STS	100 %																
	Furniture	1 EA	---	---	---	---	---	---	---	200.00	200	---	---	---	---	200.00	200	
	Office Supplies	1 MO	---	---	---	---	---	---	---	200.00	200	---	---	---	---	200.00	200	
	Office STS	100.00 %	---	---	---	---	---	---	---	4.00	400	---	---	---	---	4.00	400	
	First Aid & Safety STS	100 %																
	Medical/Drug Testing	6 EA	---	---	---	---	---	---	---	75.00	450	---	---	---	---	75.00	450	
	Training & Orientation	6 EA	---	---	---	---	---	---	---	35.00	210	---	---	---	---	35.00	210	
	F.A. & Safety Supplies	5,124 MH	---	---	---	---	---	---	---	0.120000	615	---	---	---	---	0.120000	615	
	Fire Protection	5,124 MH	---	---	---	---	---	---	---	0.070000	359	---	---	---	---	0.070000	359	
	Water Coolers	2 EA	---	---	---	---	---	---	---	50.00	100	---	---	---	---	50.00	100	
	Air Monitors	8 MO	1.000	1.000	---	---	---	0.9263	1,282	---	---	---	---	---	---	160.25	1,282	

U01 STANDARD-LANDSCAPE-MASTER.RPT

C:\Users\mtcox\AppData\Local\BEST\LocalFiles\44d4b127-8c47-4d77-90d2-0656834db6b2\

GE 19 V9 MANAGEMENT SERVICE 100.00



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

Detail Page 33 of 38

Jun 03, 2022

10:20:40 AM

Item Analysis Sheet

GE 19	V9 MANAGEMENT SERVICE	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	First Aid & Safety STS	100.00	%	---	---	---	---	---	12.82	1,282	17.34	1,734	---	---	---	---	30.16	3,016
	SMALL Tools-Expendables	100	%															
	Small Tool Assess	5,124	MH	---	---	---	---	---	---	---	1.00	5,124	---	---	---	---	1.00	5,124
	Expendables Assess	5,124	MH	---	---	---	---	---	---	---	0.700000	3,587	---	---	---	---	0.700000	3,587
	SMALL Tools-Expendables	100.00	%	---	---	---	---	---	---	---	87.12	8,712	---	---	---	---	87.12	8,712
	V9 MANAGEMENT SERVICE	100.00	%	---	---	---	---	---	---	1,282	108.45	10,845	---	---	30.00	3,000	151.27	15,127



BE Number BE220845

Opportunity No

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Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

GE 20	V10 MISC JOB EXPENSE	100.00	%
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Site Project Signs	100	%															
	Project Signs	1	EA	---	---	---	---	---	---	---	500.00	500	---	---	---	---	500.00	500
	Site Project Signs	100.00	%	---	---	---	---	---	---	---	5.00	500	---	---	---	---	5.00	500
	Traffic Protection	100	%															
	Signs	1	EA	---	---	---	---	---	---	---	250.00	250	---	---	---	---	250.00	250
	Barricades	1	MO	---	---	---	---	---	---	---	150.00	150	---	---	---	---	150.00	150
	Traffic Protection	100.00	%	---	---	---	---	---	---	---	4.00	400	---	---	---	---	4.00	400
	V10 MISC JOB EXPENSE	100.00	%	---	---	---	---	---	---	---	9.00	900	---	---	---	---	9.00	900



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Item Analysis Sheet

GE 21 V11 EQUIP MAINTENANCE 100.00 %

Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Service Labor	100	%															
	Outside Service Labor	40	HR	---	---	---	---	---	---	---	100.00	4,000	---	---	---	---	100.00	4,000
	Service Labor	100.00	%	---	---	---	---	---	---	---	40.00	4,000	---	---	---	---	40.00	4,000
	V11 EQUIP MAINTENANCE	100.00	%	---	---	---	---	---	---	---	40.00	4,000	---	---	---	---	40.00	4,000



BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Jun 03, 2022

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Item Analysis Sheet

1	Taxes / Bonds / Insurance	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	US CONTRACT BOND Class B	100	%															
	US CONTRACT BOND Class B	1	LS	---	---	---	---	---	---	---	---	8,780	---	---	---	---	---	8,780
	US CONTRACT BOND Class B	100.00	%	---	---	---	---	---	---	---	87.80	8,780	---	---	---	---	87.80	8,780
	General Liability	100	%															
	Gen Liab-USA 8.50/M	1	LS	---	---	---	---	---	---	---	---	10,975	---	---	---	---	---	10,975
	General Liability	100.00	%	---	---	---	---	---	---	---	109.75	10,975	---	---	---	---	109.75	10,975
	Builders Risk Insurance	100	%															
	Builders Risk	1	LS	---	---	---	---	---	---	---	---	1,610	---	---	---	---	---	1,610
	Builders Risk Insurance	100.00	%	---	---	---	---	---	---	---	16.10	1,610	---	---	---	---	16.10	1,610
	TAXES	100	%															
	Arizona Gross Receipts Tax	1	LS	---	---	---	---	---	---	---	---	74,188	---	---	---	---	---	74,188
	TAXES	100.00	%	---	---	---	---	---	---	---	741.88	74,188	---	---	---	---	741.88	74,188
	Taxes / Bonds / Insurance	1.00	LS	---	---	---	---	---	---	---	---	95,553	---	---	---	---	---	95,553

1	Taxes / Bonds / Insurance	1.00
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BE Number BE220845

Opportunity No

Owner File No

Project COC JOC Pecos SWTP Filter Media Replacement - R2 Const

Location Chandler, AZ, USA

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Jun 03, 2022

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Item Analysis Sheet

2	Contractors Contingency	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Filter Wall Repairs	1	LS															
	Chemical Pipe to be supported off Stucco Wall																	
	Wall Repair	1	LS	---	---	---	---	---	---	---	---	5,000	---	---	---	---	---	5,000
	Filter Wall Repairs	1.00	LS	---	---	---	---	---	---	---	---	5,000	---	---	---	---	---	5,000
	Filter Concrete Repairs	1	LS															
	Concrete Repairs	1	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	This will be an Allowance Item Due to Unknown Scope???																	
	Repair (1 Sq Ft Shallow - Type I)						1.00	EA								120.00		
	Repair (4 Sq Ft with Rebar-Type II)						1.00	EA								1,120.00		
	Mob for Concrete Repair Contractor						1.00	LS								5,000.00		
	Filter Concrete Repairs	1.00	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	Underdrain Grout Repairs	1	LS															
	Grout Repairs	1	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	Grout Repairs around Underdrain																	
	Will this be an Allowance Item Due to Unknown Scope???																	
	Underdrain Grout Repairs	1.00	LS	---	---	---	---	---	---	---	---	25,000	---	---	---	---	---	25,000
	Escalation Contingency	1	LS															
	Subcontractor Escalation (10%)	1	LS	---	---	---	---	---	---	---	---	20,000	---	---	---	---	---	20,000

2	Contractors Contingency	1.00	
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BE Number BE220845
Opportunity No
Owner File No
Project **COC JOC Pecos SWTP Filter Media Replacement - R2 Const**
Location Chandler, AZ, USA

Detail Page 38 of 38
Jun 03, 2022
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Item Analysis Sheet

2	Contractors Contingency	1.00	LS
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Proprietary and Confidential

No.	Description	Quantity	UOM	Units Per Hours	ManHrs Per Unit	Labor			Equipment		Services/ Tools/Supplies		Perm. Material		SubContract		Total Cost	
						Hours	\$ / hr	Total	\$ / hr	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	\$/ItemUnit	Total	Unit	Total
	Escalation Contingency	1.00	LS	---	---	---	---	---	---	---	---	20,000	---	---	---	---	---	20,000
	Owners Allowance	1	LS															
	Owners Allowance	1	LS	---	---	---	---	---	---	---	---	146,327	---	---	---	---	---	146,327
	Owners Allowance	1.00	LS	---	---	---	---	---	---	---	---	146,327	---	---	---	---	---	146,327
	Contractors Contingency	1.00	LS	---	---	---	---	---	---	---	---	221,327	---	---	---	---	---	221,327

2	Contractors Contingency	1.00	
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List of Major Subcontractors/Suppliers

[illegible]



INDUSTRIAL COATING DIVISION
PROTECTIVE COATING & LINING SERVICES

PPS COATINGS

406 E. Pioneer Street
Phoenix, AZ 85040

 602-497-4997

info@ppskoatings.com

www.ppsphx.com

5-3-22

Pecos SWTP Filters

PCL Construction
Quote # PPS22-093

Mike,

PPS Coatings is pleased to offer you the following quote for the above referenced project:

SCOPE OF WORK INCLUDES:

- Labor, material, and equipment to field prep and coat the following items per supplied plans and specs.
 - 2ea New Platforms @ Disinfection Building - **\$5,933.00**
 - 1 intermediate coat of approved epoxy
 - 1 finish coat of approved polyurethane
 - New PVC/CPVC piping – **\$23,720.00**
 - @ Disinfection building
 - @ Trench
 - @ Filters
 - 1 prime coat of approved epoxy
 - 1 finish coat of approved polyurethane

Price \$29,653.00

Clarifications:

- All work to be performed according to OSHA and site specific safety regulations
- Quote valid for 30 days from date of proposal
- Pay Terms are Net 30 if not specified in a contract
- PPS to supply coating MFG written submittal/recommendation
- Steel coatings are on top of MFG prep and prime
- PCL to provide confined space access if applicable

Excludes:

- Mics Taxes including sales Tax.
- 3rd party testing or inspection
- Pipe markers / labels
- Delays in work caused by other trades
- OT/Accelerated schedules
- Bonds and permits
- Concrete coatings
- Anything not mentioned above.

Sincerely,

Tony Bodzioney

Professional Piping Systems
480-825-2413

ASME CERTIFICATE HOLDERS / S STAMP #52377 – U STAMP #52378 – ROC #302839

Bid Proposal



5/3/2022

Michael,

PCL Construction
1711 W Greentree Drive, Suite #201
Tempe, AZ 85284

Re: Pecos SWTP Filter Upgrade Project

SCOPE: Supply the materials and labor to fabricate the Platform and stairs.

SCOPE CLARIFICATIONS:

- Includes all labor and materials to fabricate the Platforms with stairs. (Per the attached drawings)
- Includes a separate to fabricate the platforms out of steel and coat with a shop primer.
- Includes the SS Grating.
- Includes the Polymer Mixing Tank Platform and Stair and the Polymer Hopper Platform and Stair.
- Includes shop drawings
- Includes shipping to the job site.
- Pricing is with working regular time.
- Includes 1-year warranty.

GENERAL EXCLUSIONS:

- Excludes installation in the field.
- Excludes unloading the platforms and stairs on site.
- Excludes all platform anchors.
- Excludes Engineering
- Excludes pacification of SS after welding.
- Excludes any NDT inspections.
- Excludes anything not specifically addressed in this proposal.

GENERAL CLARIFICATIONS:

- We reserve all rights and remedies for delay caused by parties other than Professional Piping Systems.
- Professional Piping Systems will not be bound to any schedule in which we have not fully participated. Further, we will not allow our work activities to be compressed due to the schedule slippage of other trades or suppliers for which we are not responsible.
- If shop drawings are required, once they are submitted, they must be approved by the customer in writing prior to starting fabrication
- PPS will provide in-put and help schedule work tasks.

- We can provide an alternate price for working overtime.
- Because of the volatility of the materials market, if pricing increases more than 3% PPS reserves the right to add the increase to the final pricing.
- Professional Piping Services shall not be liable for shortages or delays resulting from industry conditions that constrict the supply of components or materials.
- Coating prep will be to SSPC SP6
- Coating will be 1 prime coat of Amerlock 2 @ 4-6 mils

PRICING:

Price for SS materials and labor	\$96,435.00
Price for CS materials and labor	\$47,125.00

Thank you for the opportunity to quote you on this project. Please call if you have any questions or need any further clarifications.

Best Regards,

ERIC JOHNSON

MANUFACTURING

406 E. Pioneer Street

Phoenix, Az. 85040

(602) 510-2638 Mobile

(480) 602-497-4997 Office

602 497-4907 Fax

“MAINTAINING JOB SCHEDULES WITH PREFABRICATION”

BID-0612869 VARIOUS PHOENIX METRO LOCATIONS 4-022

3/23/2022 1:01 PM

GENERAL INFORMATION

Account:	PCL CIVIL CONSTRUCTORS INC	Project:	VARIOUS PHOENIX METRO LOCATIONS 4-2022
Account number:	3084630	Project Address:	8888 East Raintree Drive
Contact:	Geoff Wojtulewicz		SCOTTSDALE, Arizona 85260
E-mail:	gwojtulewicz@pcl.com		
Phone:	6026167619	Doc. Expiration Date:	4/22/2022
		Price Valid from:	3/23/2022
		Price Valid to:	9/30/2022
Customer Service:	602-416-2652		
Sales Office Address:	8888 E. Raintree, Suite 205 Scottsdale, AZ 85260		

MATERIAL PRICING

Material Number	Description	UoM	Quantity	Price per Unit	Notes
1554955	MAG B 2500 ASH STANDARD	YD3	100.00	\$142.00	
1530902	3000 psi fly ash performance mix	YD3	100.00	\$142.00	
1530903	3000 psi fly ash flowable performance mix	YD3	100.00	\$144.00	
1452246	4500 HVFA .45 W/C	YD3	100.00	\$149.00	
1452248	4500 HVFA .45 W/C FLOW	YD3	100.00	\$153.00	
1556313	MAG AA 4000 ASH STANDARD	YD3	100.00	\$148.00	
1556315	MAG AA 4000 ASH FLOWABLE	YD3	100.00	\$152.00	
1332797	MAG SEC728 0.5sk(PHCLSM 0.5)	YD3	100.00	\$100.00	
1332709	SLURRY #57 1.0sk ABC STANDARD	YD3	100.00	\$102.00	
1332953	SAND 0.5sk SLURRY STD	YD3	100.00	\$100.00	
1332980	SAND 1.0sk SLURRY STD	YD3	100.00	\$102.00	
1575834	FIBRFORCE 150,MONO,ABCPOLY	LB	1.00	\$7.00	
1605449	FIBERFORCE 750 MACRO SYNTHETIC FIBER	LB	1.00	\$6.00	
1555049	MAG A 3000 ASH STANDARD	YD3	100.00	\$144.00	
1555050	MAG A 3000 ASH FLOW STANDARD	YD3	100.00	\$146.00	

ADDITIONAL CLAUSES

Category	Item	Value	UoM	Comments
Pricing Escalation	These prices expire 09/30/2022			
Surcharges and Fees	Environmental compliance fee	\$25.00	USD/Load	
	Variable Fuel surcharge	\$32.00	USD/Load	At present, subject to change
	Short Load Fee	Per Schedule		Applies to loads 6 yards or less
	4 < 6 cu/ yds	\$200.00	USD/Load	
	2 < 4 cu/ yds	\$225.00	USD/Load	
	1 < 2 cu/ yds	\$250.00	USD/Load	
	Discharge Time	\$2.00	USD/min	Charge will apply to the time taken over and above 4 minutes per cubic yard for discharge time or a maximum of 45 minutes per load
	Bucket Washout fee (Chute rinse recovery system)	\$25.00	USD/Load	This service must be requested at the time of placing an order
	Color Washout fee	\$25.00	USD/Load	Applies to all loads with colored concrete
	Order Cancellation fee	\$8.00	USD/Cu Yd	Minimum of 275.00 USD. Applies to all orders cancelled after 12:00 pm the business day prior. Orders for Monday must be cancelled by 12:00 pm Friday to avoid fees
	Concrete Disposal	Up to 300	USD/Load	Full load of returned concrete \$300 ; Partial load of returned concrete \$125.00
	Saturday premium charge - Ready Mix	\$10.00	USD/Cu Yd	
	Plant Opening and Off Hours	Upon Request		Off hours, Saturday and Sunday opening fees will be quoted upon request.
	Multi-stop	\$85.00	USD/Load	
	Out-of-Area Fee	Upon Request	USD/Load	

\$47.00 See backup

Additional Products and Services

Accelerator - Winter Set - 1 - Add	\$4.00	USD/Cu Yd
Accelerator - Winter Set - 2 - Add	\$7.00	USD/Cu Yd
Accelerator - Winter Set - 3 - Add	\$10.00	USD/Cu Yd
Accelerator - Winter Set - 4 - Add	\$14.00	USD/Cu Yd
Retarder - Summer Set - 1	\$3.00	USD/Cu Yd
Retarder - Summer Set - 2	\$4.00	USD/Cu Yd
Retarder - Summer Set - 3	\$5.00	USD/Cu Yd
Retarder - Summer Set - 4	\$6.00	USD/Cu Yd
Chilled water (where available)	\$2.00	USD/Cu Yd
Hot water (where available)	\$2.00	USD/Cu Yd
Ice - when requested for temperature control	\$0.50	USD/lbs
Nitrocrete	\$5.00	USD/Gallon

Pricing Conditions
All Sales are subject to CEMEX Standard terms and conditions which shall control and take precedence over any terms and conditions to the contrary in any purchase order or other document. Customer is responsible for Applicable Sales Tax. Such taxes will appear on invoice unless Sales Tax exemption certificate is on file at CEMEX prior to shipping
If plans or specifications were not available for review at the time of this quote, all specification mixes will require further pricing review.
Prices quoted are subject to availability of materials and subject to change prior to commitment
There will be a fuel surcharge on all delivered loads. The charge will be on a sliding scales adjusted monthly based on fuel price according to WEST COAST PADD 5 (Diesel)

Payment terms
Payment Terms are standard as follows: 1% 15th Net 20 (15th of the month following delivery)
Delayed portion of payment will attract a Finance charge of the lessor of 1.5% per month, 18% per annum or maximum permitted under applicable laws

Respectfully,

CEMEX Con Mat South,LLC

Jessica B Cutter
Phone: 480-980-1288
Email: Jessicab.cutter@cemex.com

Accepted by:

PCL CIVIL CONSTRUCTORS INC

Standard Terms and Condition

1. Terms and Conditions. These Standard Terms and Conditions of CEMEX Con Mat South, LLC and its affiliates ("Seller"), Buyer's Credit Application, and Seller's Quotation, if any, (collectively, "Agreement") govern any and all purchases made by Buyer from Seller and are incorporated herein by reference. This Agreement, and any other documents prepared by Seller for Buyer in connection with Buyer's purchase of materials contain the entire understanding between the parties concerning the subject matter hereof, and there are no other agreements or understandings except as set forth herein. Any different or additional terms or conditions contained in any writing or instrument of Buyer, whether by purchase order or otherwise, are hereby objected to by Seller and shall have no effect on, and not become part of, this Agreement.
2. Technical Assistance. In no event shall Seller bear any responsibility for claims arising from technical advice or assistance provided to Buyer. Advice by Seller is for Buyer's guidance only and Buyer agrees to rely solely on its own architects, engineers or other technical experts.
3. Prices and Price Increases. Prices for the materials are (i) subject to material availability at the time of delivery; (ii) shall remain firm until the date set forth on the Seller's Quotation, if any, or if no such date is given, for a period of thirty (30) days after the date the order was accepted by Seller, the price was quoted by Seller or such shorter period as set forth in the Seller's quote; thereafter prices are subject to change by Seller; and (iii) do not include Saturday, Sunday holiday, off-hour or overtime shipments, all of which are subject to additional charges. Prices are applicable only to the job quoted or orders accepted by Seller and are available only to the specific Buyer referred to therein, are for a standard mix design, if applicable, and are only for the quantities requested by Buyer at the time the prices were quoted. Seller reserves the right to (i) increase prices on any quote or accepted orders without notice to reflect any raw material cost increases or surcharges incurred by Seller and (ii) defer or cancel any quote or accepted orders in the event Seller becomes delayed or prevented from performing due to shortages or allocation of raw materials. In the event of a delay or cancellation resulting from shortages or allocations of raw materials, Seller shall not be liable to Buyer for any damages incurred by Buyer as a result of any such delay or cancellation.
4. Surcharges and Fees. Prices quoted may not include additional charges Buyer may be responsible for. Such additional charges include, but are not limited to, charges for additives, accelerators, winterizers/summerset, water (hot or chilled), ice and stand-by, waiting time and delivery charges due to loads in amounts less than a full truckload. Such prices shall be charged at the rate of Seller's then-current price list for additional charges, which is incorporated into these Terms and Conditions by reference as if fully set forth herein and which is available to Buyer upon request. Buyer acknowledges that surcharges and fees are to recoup Seller's costs and achieve a return on investment.
5. Tests. Seller reserves the right to levy an additional charge on Buyer for any nonstandard tests that Buyer may require to be performed on the materials sold to Buyer. Failure of Buyer to witness any tests shall be deemed a waiver by Buyer of its right to do so and of any right to require repetition of such tests, and Buyer shall be deemed to have accepted any such test results as sufficient to meet its specifications.
6. Payment and Interest. Buyer shall make all payments due hereunder in accordance with the terms of this Agreement and as stated on Seller's invoices or other notices of terms, without any right of setoff or retention and without regard to any agreement Buyer may have with other parties. If Buyer fails to pay in full the invoice amount when due, Buyer agrees to pay interest on the unpaid balance from the date when due until paid in full at the rate selected by Seller, not to exceed the lesser of 18% per annum or the highest lawful rate, specifically including post judgment. Buyer agrees to pay any and all costs and expenses incurred by Seller in collecting from Buyer any past due amounts, including but not limited to reasonable attorney fees, court costs and collection agency fees. Seller may suspend pending deliveries during any period when Buyer has overdue balances or evidence of a changed financial condition.
7. Liens. Buyer agrees to timely provide in writing to Seller information regarding bonding companies, general contractors or owners for the purpose of filing preliminary notices and claims on payment bonds or mechanic's and material supplier's liens.
8. Delivery. Seller's responsibility for delivery shall cease FOB shipping point or, if Seller agrees to deliver FOB delivery site, at the curbside or frontage of the address for delivery. Where delivery of products is to an unattended site, Seller will not be liable for any loss or damage to products, property or for unsigned delivery tickets. In absence of a specific delivery date on the Quotation, Seller will commence delivery of the materials on a date and at a rate mutually agreed upon by both Seller and Buyer.
9. Default. If Buyer is in default under this Agreement or any of its contracts or obligations with Seller, Seller may at its option and without notice: (i) declare the entire unpaid balance owed by Buyer due and payable; (ii) postpone further deliveries until such default is remedied; (iii) terminate any and all obligations under any contract; and (iv) refuse further performance without any liability to Buyer.
10. Limited Warranty and Liability Disclaimer. Seller warrants that the materials sold under this Agreement meet solely the description and specifications for the same set forth in the applicable Quotation, if any, and shall be free from defects in material and workmanship for a period of one (1) year from the date of delivery thereof. No other express warranties are made with respect to said materials. Acceptance by Buyer of the materials shall constitute confirmation by Buyer that the materials meet the description and specifications, if any, set forth in such applicable Quotation. The foregoing warranty is subject to standard manufacturing and color variations, efflorescence, tolerances and classifications or naturally occurring substances. Seller is not responsible for installation or defective conditions caused by installation. Buyer's exclusive remedy for breach of this warranty shall be to require Seller, at Seller's option, to refund the purchase price for the materials failing to comply, to repair or to provide Buyer with conforming replacements for any nonconforming materials. Seller shall not be responsible for any removal or installation costs. THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WRITTEN OR ORAL WARRANTIES OR CONTRACTUAL AGREEMENTS, WHETHER EXPRESS OR IMPLIED BY LAW OR OTHERWISE, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR HABITABILITY. Buyer agrees that in specific consideration for receiving this warranty, it will indemnify and hold harmless Seller from any and all damages in connection with any statutory, contractual or warranty breach, negligence, strict liability, or other tortious conduct by Seller. This Agreement may not be modified or amended except by a writing signed by both parties.
11. Delays. If Seller is unable to complete delivery of any part of an order, Buyer shall accept such part of the order as Seller is able to deliver and Buyer shall pay for the part delivered pro rata at the same rate as the whole of the order agreed to be sold and on the same terms of payment. In the event Seller shall be delayed in or prevented from the performance of any act required under this Agreement, or it shall become commercially unreasonable to perform by reason of governmental allocations, priorities, restrictions or regulations now or hereafter in effect, storm, flood, fire, earthquake or other Acts of God, war, terrorism, riot, insurrection or other civil disturbance, strikes, lockouts, shortages of materials, labor, raw materials, fuel, power or production facilities, breakdown of equipment, transportation shortages, changes in market conditions or other contingencies beyond Seller's reasonable control whether of a similar or dissimilar nature to the foregoing, Seller shall not be liable to Buyer for any damages incurred by Buyer as a result of any such delay or failure.
12. Claims. Buyer agrees that all claims against Seller are waived unless presented to Seller in writing within one week from the date of delivery of the materials. Seller shall have thirty days from receipt to inspect and correct a defect if such claim is allowed. Buyer further agrees that in the event that Buyer disagrees with Seller's decision about whether to allow the claim that the Buyer's remedy is to formally adjudicate the claim, but the Buyer further agrees that Seller's invoices for all materials supplied shall be paid in the interim. No claim shall be allowed after the materials purchased hereunder are incorporated, modified or processed by Buyer in any manner. SELLER'S LIABILITY ON ANY CLAIM FOR LOSS OR DAMAGE SHALL NOT EXCEED THE PRICE OF THE MATERIALS ACTUALLY RECEIVED FROM BUYER BY SELLER WITH REGARD TO WHICH SUCH CLAIM FOR LOSS OR DAMAGE IS MADE.
13. Waiver. Seller may, at its option, permit Buyer to remedy any default under this Agreement without waiving the default so remedied or any other default by Buyer. Buyer waives notice of default of this Agreement and waives presentment, demand, protest, and notice of dishonor as to any instrument issued or delivered to Seller.
14. Venue. This Agreement will be governed by the applicable state and federal laws without giving effect to conflict of laws principles. The Buyer agrees that any legal actions and proceedings brought for the breach or the enforcement of this Agreement will lie in the state and county in this state of delivery. Buyer consents and submits to the jurisdiction and venue of any state, county or federal court located within that county. As a material inducement to Seller to enter into this Agreement, Buyer waives the right to trial by jury in any proceeding arising out of or related to this Agreement.
15. Notice. Any notice sent to Seller shall be in writing and sent by Certified Mail, postage prepaid, to the 10100 Katy Freeway, Suite 300, Houston, TX 77043, Attn: CEMEX Customer Care.
16. Severability. If any term, provision, covenant or condition of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions shall remain in full force and effect and shall in no way be affected, impaired or invalidated. The parties agree that each term and provision of this Agreement shall be construed according to its fair meaning and not strictly for or against any Party.
17. Offset and/or Setoff. Seller may exercise the right of set-off under this Agreement as to any sums owed by Buyer and/or its affiliates under any other contract or agreement with Seller and/or its affiliates.
18. Remedies Cumulative. The duties and obligations imposed by this Agreement and the rights and remedies available under this Agreement are to be in addition to, and not a limitation of rights and remedies at law or in equity.
19. Miscellaneous. Time is of the essence. Buyer consents to Seller sending information to Buyer regarding Seller's products and prices at any time by fax to any fax number provided by Buyer, other electronic means or otherwise. A facsimile copy or electronic transmission will be treated as an original. Buyer shall not assign the Agreement or any interest herein without the prior written consent of Seller, and any attempted assignment, whether by operation of law or otherwise, shall be void without such prior written consent.
20. Authorization for Credit Review. Buyer consents to Seller's use of a non-business consumer credit report on the Buyer in order to further evaluate the credit worthiness of the Buyer in connection with the extension of business credit as contemplated hereby. Buyer authorizes Seller to utilize a consumer credit report from time to time in connection with the extension or continuation of business credit. Buyer hereby knowingly consents to the use of such credit report consistent with the Federal Fair Credit Reporting Act as contained in 15 USC @ 1681 et seq.
21. Representations. Buyer represents to Seller that it is solvent and that any financial information provided reflects the present financial condition of the Buyer. If Buyer is not a corporation or limited liability entity, Buyer acknowledges that Seller is relying on the credit worthiness and financial ability of the owner(s) of Buyer. Each owner shall be joint and severally liable for all indebtedness of Buyer to Seller under the Agreement. Buyer warrants that all information supplied to Seller is accurate and complete. Each representation and the information contained in a Credit Application, if any, is material and given to induce Seller to provide credit. Buyer will notify Seller by certified mail, within forty-eight (48) hours after any material change in Buyer's financial or ownership status.

From: Geoff Wojtulewicz <GWojtulewicz@pcl.com>

Sent: Tuesday, April 26, 2022 10:07:59 AM

To: Adam Gordon <ajgordon@pcl.com>; Ken Slota <KJSlota@pcl.com>; Josh Tomita <JTomita@pcl.com>; Nico Swart <NSwart@pcl.com>; Aaron Tomita <atomita@pcl.com>

Cc: Mauricio Ramos <MRamos@pcl.com>; Craig Yakubow <CYakubow@pcl.com>; Richard Hewitt <RHewitt@pcl.com>

Subject: FW: May Fuel Surcharge

All, see below RE: Cemex AZ fuel surcharge updates. Going forward we will be given a revised monthly fuel surcharge amount. Please distribute this info as needed.

Geoff Wojtulewicz
Procurement & Equipment Manager

PCL Construction, Inc.
1711 W. Greentree Dr., Suite 201
Tempe, AZ 85284
M: 602-616-7619
O: 602-698-4130
E: gwojtulewicz@pcl.com

www.pcl.com
TOGETHER WE BUILD SUCCESS

From: Jessica B Cutter <Jessicab.cutter@cemex.com>

Sent: Tuesday, April 26, 2022 7:52 AM

Subject: May Fuel Surcharge

[External Email]

Good morning,

Please note that the Variable Fuel Surcharge for May 2022 has increased to \$47.00/LD. This will apply to projects/orders starting Monday, May 2nd. Let me know if there are any questions.

March 2022: \$32.00/LD

April 2022: \$44.00/LD

May 2022: \$47.00/LD

Thank you,
Jessica Cutter



Jessica B Cutter

Account Manager - Phoenix Ready-Mix

Office: 602.416.2600 – Cell: 480.980.1288

jessicab.cutter@cemex.com – www.cemexusa.com [cemexusa.com]

8888 E. Raintree Dr, Suite 205, Scottsdale, AZ 85260

 Please consider the environment before printing this email.

Proposal

ENVIRONMENTAL RESPONSE, INC.

2202 W. Medtronic Way, Suite 108
Tempe, Arizona 85281
(480) 967-2802

Proposal No. P22-114

THIS AGREEMENT, entered into May 2, 2022, by and between Environmental Response, Inc. d/b/a Environmental Response, (hereafter "ERI") and

PCL Construction Inc.

Kevin Roach
1711 W. Greentree Drive, Suite #201
Tempe, AZ 85284
Mobile: 480-797-7107
kroach@pcl.com

The Project is identified as: **Chandler – Pecos Treatment Plant Filter Replacement**

THE PARTIES AGREE AS FOLLOWS:

ERI agrees to perform hazardous materials/special waste removal, abatement, and disposal as identified and to the extent described in the Contract Documents, as identified in type and by section, or otherwise as noted below:

- Mobilize and demobilize to the site.
- Remove 784 cubic yards of anthracite from four (4) filters numbered 1 through 4 and place it into the drying beds at the Pecos Treatment Plant in preparation for disposal.
- Obtain one (1) profile sample and profile the anthracite for disposal at a Subtitle D Landfill.
- Profile, transport, and dispose of up to 570 tons of non-hazardous, non-Arizona special waste anthracite at a subtitle D landfill.

Description	Quantity	Unit	Unit Rate	Total
Mob/Demob Filters	1	Each	\$5,985.00	\$5,985.00
Anthracite Removal	4	Filter	\$24,367.00	\$97,468.00
Mob/Demob Disposal	1	Each	\$1,424.00	\$1,424.00
Anthracite Disposal	570	Ton	\$99.90	\$56,943.00
			TOTAL	\$161,820.00

Assumptions:

- ERI will be able to stage the anthracite removed from the filters in the dewatering beds onsite.
- ERI will be able to use plant power and water to remove and dispose of the anthracite.
- Excludes sales tax and bonds.
- No prevailing wages apply to this project.
- The filters only contain anthracite and there is no other material below the carbon to be removed by ERI.
- The anthracite is non-hazardous and non-Arizona Special Waste and can be disposed of in a Subtitle D Landfill.

ERI additionally provides the following:

- A. Compliance with applicable OSHA and EPA Regulations.
- B. \$2M HazMat Specific Pollution Liability Insurance.
- C. Arizona Contractors License Nos. 101060 and 130187.

ENVIRONMENTAL RESPONSE, INC.

05/02/2022

Paul E. Runyan

Date



3650 S ASHLEY PL CHANDLER AZ 85286

Ph. 480.826.0339

PROJECT: PECOS SWTP FILTER MEDIA REPLACEMENT
CHANDLER, AZ

BID DATE: 6/3/2022

BID TIME: 3:00PM

ENGINEER: HAZEN

YARD PIPING/SUPPORTS:	\$	92,610.00
MECHANICAL:	\$	84,676.00
PROJECT TOTAL:	\$	177,286.00

KEY NOTES:

- 01 ACKNOWLEDGE ADDENDUM No.
- 02 MATERIAL PRICING <> BASED ON FURNISHING IMPORT and DOMESTIC MATERIALS
- 03 MATERIAL PRICING <> VALID FOR 30 DAYS AND SHIP WITHIN 6 MOS. <> SUBJECT TO PRICING AT TIME OF SHIPMENT.
- 04 PAYMENT TERMS <> NET 30
- 05 MATERIAL PRICING <> FOB JOBSITE - AS LONG AS RELEASED IN BULK
- 06 EXCLUDE TAXES & ALL MATERIAL NOT SPECIFICALLY LISTED IN QUOTE
- 07 MATERIAL QTYS & INTERPRETATION OF CONTRACT DOCUMENTS ARE BELIEVED TO BE CORRECT, BUT NOT GUARANTEED
- 08 THIS BID OFFERED AS SUPPLYING IT COMPLETE, BREAKING OUT MATERIAL IS SUBJECT TO PRICE ADJUSTMENT
- 09 LEAD TIMES ARE ESTIMATED, CapFlo AZ IS HELD HARMLESS IN EXTENDED PRODUCTION DELIVERY TIMES.
- 10 ESTIMATED LEAD TIMES: PIPE UP TO 180 DAYS, FAB PIPE 12-14 WEEKS, VALVES 10-12 WEEKS, SPECIAL COATINGS 12-14 WEEKS

PROJECT: PECOS SWTP FILTER MEDIA REPLACEMENT

BID DATE: 6/3/2022

LOCATION: CHANDLER, AZ

OWNER: CITY of CHANDLER

ENGINEER: HAZEN



3650 S ASHLEY PL
CHANDLER AZ 85286
480.826.0339

LINE	QTY	UOM	SIZE	x	SIZE	DESCRIPTION	LINING	COATING	UNIT PRICE	SUBTOTAL	TOTAL
10											
20											
30											
40											
50	2,000	LF	03" x 01"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 30.00	\$ 60,000.00	
55	24	EA	03"		01"	SCH80 CPVC 90° BEND - SxS			\$ 240.00	\$ 5,760.00	
60											
80	4	EA	03"		01"	SCH80 CPVC TEE - SxSxS			\$ 340.00	\$ 1,360.00	
90	100	EA	03"		01"	SCH80 CPVC COUPLING - SxS			\$ 30.00	\$ 3,000.00	
100	12	EA	03"		01"	SCH80 CPVC Terminations			\$ 105.00	\$ 1,260.00	
110	230	LF	1-5/8"	x	10'-0"	304ss 12ga STRUT w/ SLOTS	Fig. 1011		\$ 25.00	\$ 5,750.00	
120	270	EA	02"			304ss 2-PC STRUT "CUSH" CLAMP (F/ PVC)	Fig. 2513		\$ 50.00	\$ 13,500.00	
130	180	EA	3/8"	x	1-1/4"	304ss HEX BOLT			\$ 1.00	\$ 180.00	
140	180	EA	3/8"			304ss STRUT NUT w/o SPRING	Fig. 3006		\$ 10.00	\$ 1,800.00	
150											
160											
170											
180											
190											
200											
210	40	LF	02"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 7.50	\$ 300.00	
220	100	LF	01"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 4.00	\$ 400.00	
230	40	LF	1/2"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 2.00	\$ 80.00	
240											
250	30	EA	01"			SCH80 CPVC 90° BEND - SxS			\$ 7.00	\$ 210.00	
260	22	EA	1/2"			SCH80 CPVC 90° BEND - SxS			\$ 3.00	\$ 66.00	
270	5	EA	02"	x	02"	SCH80 CPVC TEE - SxSxS			\$ 30.00	\$ 150.00	
280	13	EA	01"	x	01"	SCH80 CPVC TEE - SxSxS			\$ 10.00	\$ 130.00	
290	18	EA	1/2"	x	1/2"	SCH80 CPVC TEE - SxSxS			\$ 6.00	\$ 108.00	
300	1	EA	02"	x	1/2"	SCH80 CPVC REDUCING COUPLING - SxS			\$ 26.00	\$ 26.00	
310	4	EA	01"	x	1/2"	SCH80 CPVC REDUCING COUPLING - SxS			\$ 9.00	\$ 36.00	
320	20	EA	1/2"			SCH80 CPVC MALE ADAPTER - SxMIPT			\$ 4.00	\$ 80.00	
330	4	EA	02"	x	1/2"	SCH80 CPVC BUSHING - SxS			\$ 15.00	\$ 60.00	
340											
350	1	EA	02"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL			\$ 160.00	\$ 160.00	
360	4	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL			\$ 65.00	\$ 260.00	
370	16	EA	1/2"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL			\$ 45.00	\$ 720.00	
380	4	EA	01"			KING 316ss ROTAMETER - BOROSILICATE TUBE, 316ss FLOAT, VITON O-RINGS, +/-2% Acc.			\$ 1,500.00	\$ 6,000.00	
390	4	EA	01"			SCH80 CPVC PE STATIC MIXER			\$ 400.00	\$ 1,600.00	
400											
410											
420	100	LF	01"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 4.00	\$ 400.00	
421	100	LF	02"	x	20'-0"	SCH80 CPVC PIPE (PE)			\$ 7.50	\$ 750.00	
440	32	EA	02"			SCH80 CPVC 90° BEND - SxS			\$ 9.00	\$ 288.00	
450	16	EA	02"	x	01"	SCH80 CPVC TEE - SxSxS			\$ 12.00	\$ 192.00	
430											
440	64	EA	01"			SCH80 CPVC 90° BEND - SxS			\$ 5.00	\$ 320.00	
450	16	EA	01"	x	01"	SCH80 CPVC TEE - SxSxS			\$ 7.00	\$ 112.00	
460	20	EA	01"			SCH80 CPVC SLIP CAP			\$ 9.00	\$ 180.00	
470	12	EA	01"			SCH80 CPVC VANSTONE FLANGE			\$ 14.00	\$ 168.00	
480											
490	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV01		\$ 14,150.00	\$ 14,150.00	
500	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV02		\$ 14,150.00	\$ 14,150.00	
510	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV03		\$ 14,150.00	\$ 14,150.00	
520	1	EA	01"			CF8M V-PORT BALL VALVE 150lb RF FLG w/ MODULATING EMO ACTUATOR w/REMOTE STA	PWTP-PLY-FLT-PMP02-VLV04		\$ 14,150.00	\$ 14,150.00	
530	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP02-VLV01		\$ 1,500.00	\$ 1,500.00	
540	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP02-VLV01		\$ 1,500.00	\$ 1,500.00	
550	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP03-VLV01		\$ 1,500.00	\$ 1,500.00	
560	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP04-VLV01		\$ 1,500.00	\$ 1,500.00	
570	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-PMP05-VLV01		\$ 1,500.00	\$ 1,500.00	
580	1	EA	01"			SCH80 CPVC BALL VALVE - TRU-UNION w/ FKM SEAL & OPEN/CLOSE ACTUATOR	PWTP-SRW-PLY-FLT-TNK03-VLV01		\$ 1,500.00	\$ 1,500.00	
590	2	DAY				EMO ACTUATOR START-UP - PER DAY			\$ 3,000.00	\$ 6,000.00	
600											
610	8	KIT	01"			316ss BN&W KIT - TAG: PVC FLG -to- SS FLG BN&W KIT			\$ 25.00	\$ 200.00	
620	8	EA	01"	x	1/8"	150lb "FF" VITON FLG GASKET			\$ 10.00	\$ 80.00	
630											

LINE	QTY	UOM	SIZE	x	SIZE	DESCRIPTION	LINING	COATING	UNIT PRICE		SUBTOTAL	TOTAL
640											SUBTOTAL	\$ 84,676.00
											TOTAL	\$ 177,286.00



Statewide Disinfection Service, Inc.
PO Box 20555
Mesa, AZ 85277-0555
+1 4809818859
www.statewidedisinfectionservice.net

ADDRESS

PCL Construction, Inc.
1711 W Greentree Dr # 201
Tempe, AZ 85284-2713

Estimate 2277

DATE 04/26/2022

P.O. NUMBER
480 797 7107

ORDERED BY
Kevin Roach

DATE	ACTIVITY	QTY	RATE	AMOUNT
	Job Preparation and Travel Time	4	122.00	488.00
	Disinfection Reservoir/Tank for 8 filter basins 14 foot x 27 foot at the Pecos WTP in Chandler at 1475 East Pecos Road.	4	122.00	488.00

Thank You

Jim

TOTAL \$976.00

Accepted By

Accepted Date

Licensed - Insured - Bonded
ROC 254901 Plumbing ROC 202634 Disinfection AWWA standards
Physical address: 344 S Hawes Rd. Mesa, AZ 85208

This estimate/invoice is subject to change from initial scope of work if actual measurements, standby time or other factors beyond the control of Statewide Disinfection Services and may be adjusted at final invoice.
Estimate pricing expires in 30 days

EQUIPMENT

Equipment	Bluebook Rates (\$/hr)
4x2 1/2 TN Crew Truck Gas	\$32.82
60lb Hammer	\$1.26
8,000lb Reach Forklift	\$81.49
Cat 420 Backhoe	\$50.26
Air Compressor	\$20.59
Scissor Lift	\$20.17
Trench Compactor	\$44.54
Water Trailer	\$15.15
Boom Lift	\$40.28
60T Crane	\$320.07
90T Crane	\$389.44
Field Office	\$1.61

Billable hourly rates shall be FHWA operated rates published by
Bluebook (penton) on equipment watch.com

Adjustments for Pickup truck 3/4t 4x2 ext cab gas in All Saved Models

August 9, 2021

Miscellaneous 4X2 3/4 383 EXT GAS

On-Highway Light Duty Trucks

Size Class:
300 HP & Over
 Weight:
N/A



Configuration for 4X2 3/4 383 EXT GAS

Axle Configuration	4X2	Cab Type	Extended
Horsepower	383 hp	Power Mode	Gasoline
Ton Rating	3/4		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,120.00	USD \$315.00	USD \$79.00	USD \$12.00	USD \$26.65	USD \$33.01
Adjustments						
Region (Arizona: 96.9%)	(USD \$34.72)	(USD \$9.77)	(USD \$2.45)	(USD \$0.37)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,085.28	USD \$305.23	USD \$76.55	USD \$11.63	USD \$26.65	USD \$32.82

Non-Active Use Rates

	Hourly
Standby Rate	USD \$4.38
Idling Rate	USD \$27.78

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	57%	USD \$638.40/mo
Overhaul (ownership)	29%	USD \$324.80/mo
CFC (ownership)	2%	USD \$22.40/mo
Indirect (ownership)	12%	USD \$134.40/mo
Fuel (operating) @ USD 2.97	81%	USD \$21.61/hr

Revised Date: 3rd quarter 2021

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for GEOFF WOJTULEWICZ
 (gwojtulewicz@pcl.com)

Rental Rate Blue Book®

April 22, 2021

Miscellaneous SILENCED 60-65 LBS
Hand-Held Pavement Breakers

Size Class:
56 - 70 lbs
Weight:
61 lbs

Configuration for SILENCED 60-65 LBS

Weight **60-65 lbs**
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$115.00	USD \$32.00	USD \$8.00	USD \$1.00	USD \$0.61	USD \$1.26
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$115.00	USD \$32.00	USD \$8.00	USD \$1.00	USD \$0.61	USD \$1.26

Non-Active Use Rates

	Hourly
Standby Rate	USD \$0.29
Idling Rate	USD \$0.65

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	39%	USD \$44.85/mo
Overhaul (ownership)	55%	USD \$63.25/mo
CFC (ownership)	1%	USD \$1.15/mo
Indirect (ownership)	5%	USD \$5.75/mo

Fuel cost data is not available for these rates.

Revised Date: 1st half 2021

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for CRAIG YAKUBOW
(cyakubow@pcl.com)

Adjustments for Reach forks 8k in All Saved Models

January 25, 2022

Sky Trak 8042

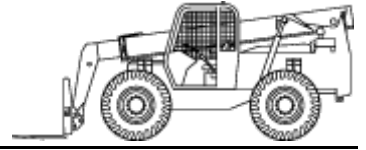
Telescoping Boom Rough Terrain Lift Trucks

Size Class:

3.6 - 3.9 MTons

Weight:

26230 lbs



Configuration for 8042

Base Capacity	8000.0 lbs	Horsepower	100.0 hp
Maximum Lift Height	503.0 in	Maximum Reach	319.0 in
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$8,765.00	USD \$2,455.00	USD \$615.00	USD \$92.00	USD \$33.43	USD \$83.23
Adjustments						
Region (Arizona: 96.6%)	(USD \$298.01)	(USD \$83.47)	(USD \$20.91)	(USD \$3.13)		
Model Year (2021: 99.89%)	(USD \$8.92)	(USD \$2.50)	(USD \$0.63)	(USD \$0.09)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$8,458.07	USD \$2,369.03	USD \$593.46	USD \$88.78	USD \$33.43	USD \$81.49

Non-Active Use Rates

	Hourly
Standby Rate	USD \$21.15
Idling Rate	USD \$58.31

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$2,629.50/mo
Overhaul (ownership)	56%	USD \$4,908.40/mo
CFC (ownership)	3%	USD \$262.95/mo
Indirect (ownership)	11%	USD \$964.15/mo
Fuel (operating) @ USD 3.65	31%	USD \$10.25/hr

Revised Date: 1st quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

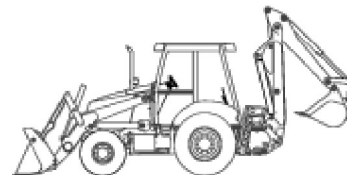
The equipment represented in this report has been exclusively prepared for GEOFF WOJTULEWICZ (gwojtulewicz@pcl.com)

Rental Rate Blue Book®

August 9, 2021

Caterpillar 420F2 Tractor-Loader-Backhoes

Size Class:
14' to Under 15'
Weight:
N/A



Configuration for 420F2

Power Mode **Diesel**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$4,640.00	USD \$1,300.00	USD \$325.00	USD \$49.00	USD \$25.16	USD \$51.52
Adjustments						
Region (Arizona: 95.2%)	(USD \$222.72)	(USD \$62.40)	(USD \$15.60)	(USD \$2.35)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$4,417.28	USD \$1,237.60	USD \$309.40	USD \$46.65	USD \$25.16	USD \$50.26

Non-Active Use Rates

	Hourly
Standby Rate	USD \$12.55
Idling Rate	USD \$36.93

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$1,716.80/mo
Overhaul (ownership)	50%	USD \$2,320.00/mo
CFC (ownership)	3%	USD \$139.20/mo
Indirect (ownership)	10%	USD \$464.00/mo
Fuel (operating) @ USD 3.27	47%	USD \$11.83/hr

Revised Date: 3rd quarter 2021

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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(gwojtulewicz@pcl.com)

Rental Rate Blue Book®

August 9, 2021

Doosan C185WDZ

Portable Rotary Screw Air Compressors

Size Class:
125 - 249 cfm
Weight:
N/A


Configuration for C185WDZ

Air Delivery Rating	185.0 cu ft/min	Horsepower	49.0 hp
Power Mode	Gasoline	Rated Pressure	100.0 psi

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,305.00	USD \$365.00	USD \$91.00	USD \$14.00	USD \$13.58	USD \$20.99
Adjustments						
Region (Arizona: 94.6%)	(USD \$70.47)	(USD \$19.71)	(USD \$4.91)	(USD \$0.76)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,234.53	USD \$345.29	USD \$86.09	USD \$13.24	USD \$13.58	USD \$20.59

Non-Active Use Rates

	Hourly
Standby Rate	USD \$2.38
Idling Rate	USD \$15.89

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	25%	USD \$326.25/mo
Overhaul (ownership)	66%	USD \$861.30/mo
CFC (ownership)	2%	USD \$26.10/mo
Indirect (ownership)	7%	USD \$91.35/mo
Fuel (operating) @ USD 2.97	65%	USD \$8.88/hr

Revised Date: 3rd quarter 2021

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(gwojtulewicz@pcl.com)

Adjustments for Scissor lift 32ft electric in All Saved Models

May 4, 2022

Genie GS-3232

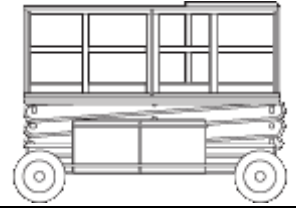
Electric Self Propelled Scissor Lifts

Size Class:

31 - 40 ft

Weight:

5185 lbs



Configuration for GS-3232

Maximum Platform Capacity
Platform Size
Voltage

500.0 lbs
89' X 32'
24.0 V

Maximum Platform Height
Power Mode

32.0 ft
Electric

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$2,005.00	USD \$560.00	USD \$140.00	USD \$21.00	USD \$8.84	USD \$20.23
Adjustments						
Region (Arizona: 99.5%)	(USD \$10.02)	(USD \$2.80)	(USD \$0.70)	(USD \$0.10)		
Model Year (2021: 99.95%)	(USD \$1.03)	(USD \$0.29)	(USD \$0.07)	(USD \$0.01)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,993.95	USD \$556.91	USD \$139.23	USD \$20.88	USD \$8.84	USD \$20.17

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly

USD \$6.34
USD \$11.33

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$741.85/mo
Overhaul (ownership)	44%	USD \$882.20/mo
CFC (ownership)	7%	USD \$140.35/mo
Indirect (ownership)	12%	USD \$240.60/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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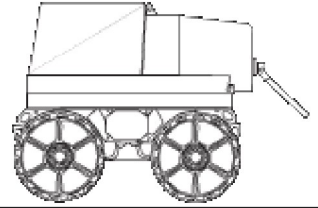
Adjustments for Trench roller 24-33in in All Saved Models

August 9, 2021

BOMAG BMP8500

Trench Compactors

Size Class:
26 - 34 Inch
Weight:
3622 lbs



Configuration for BMP8500

Drum Width **33.5'** Number Of Drums **4.0**
Power Mode **Diesel**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$5,360.00	USD \$1,500.00	USD \$375.00	USD \$56.00	USD \$15.15	USD \$45.60
Adjustments						
Region (Arizona: 96.5%)	(USD \$187.60)	(USD \$52.50)	(USD \$13.13)	(USD \$1.96)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$5,172.40	USD \$1,447.50	USD \$361.88	USD \$54.04	USD \$15.15	USD \$44.54

Non-Active Use Rates

	Hourly
Standby Rate	USD \$12.93
Idling Rate	USD \$31.97

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	USD \$1,768.80/mo
Overhaul (ownership)	56%	USD \$3,001.60/mo
CFC (ownership)	2%	USD \$107.20/mo
Indirect (ownership)	9%	USD \$482.40/mo
Fuel (operating) @ USD 3.27	17%	USD \$2.58/hr

Revised Date: 3rd quarter 2021

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(gwojtulewicz@pcl.com)

Rental Rate Blue Book®

August 9, 2021

Miscellaneous 750 5000

Water Trailers

Size Class:

4,501 - 7,000 gal

Weight:

17000 lbs

Configuration for 750 5000

Pump Capacity

750.0 gal/min

Tank Capacity

5000.0 gal
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,485.00	USD \$415.00	USD \$105.00	USD \$16.00	USD \$7.10	USD \$15.54
Adjustments						
Region (Arizona: 95.4%)	(USD \$68.31)	(USD \$19.09)	(USD \$4.83)	(USD \$0.74)		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$1,416.69	USD \$395.91	USD \$100.17	USD \$15.26	USD \$7.10	USD \$15.15

Non-Active Use Rates
Hourly

Standby Rate

USD \$5.07

Idling Rate

USD \$8.05

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	41%	USD \$608.85/mo
Overhaul (ownership)	37%	USD \$549.45/mo
CFC (ownership)	3%	USD \$44.55/mo
Indirect (ownership)	19%	USD \$282.15/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2021

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(gwojtulewicz@pcl.com)

Adjustments for Boom lift 40' straight in All Saved Models

May 4, 2022

JLG 400S

I.C. Self Propelled Telescopic Boom Aerial Lifts



Size Class:

31 - 40 ft

Weight:

12650 lbs

Configuration for 400S

Drive	4WD	Horsepower	82.0
Maximum Platform Capacity	1000.0 lbs	Maximum Platform Height	40.33 ft
Power Mode	Gasoline/LPG		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$5,530.00	USD \$1,550.00	USD \$390.00	USD \$59.00	USD \$9.97	USD \$41.39
Adjustments						
Region (Arizona: 96.5%)	(USD \$193.55)	(USD \$54.25)	(USD \$13.65)	(USD \$2.07)		
Model Year (2021: 99.95%)	(USD \$2.74)	(USD \$0.77)	(USD \$0.19)	(USD \$0.03)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$5,333.71	USD \$1,494.98	USD \$376.16	USD \$56.91	USD \$9.97	USD \$40.28

Non-Active Use Rates

	Hourly
Standby Rate	USD \$14.24
Idling Rate	USD \$30.31

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	34%	USD \$1,880.20/mo
Overhaul (ownership)	53%	USD \$2,930.90/mo
CFC (ownership)	3%	USD \$165.90/mo
Indirect (ownership)	10%	USD \$553.00/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2022

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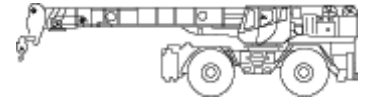
The equipment represented in this report has been exclusively prepared for GEOFF WOJTULEWICZ
(gwojtulewicz@pcl.com)

Adjustments for RT crane 60t in All Saved Models

April 21, 2022

Link-Belt RTC-8065 SERIES II

Rough Terrain Hydraulic Cranes



Size Class:

50.0 - 65.9 MTons

Weight:

N/A

Configuration for RTC-8065 SERIES II

Axle Configuration	4 X 4	Maximum Boom Length	115.0 ft
Maximum Lift Capacity	60.0 lbs	Horsepower	235.0 hp
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$30,340.00	USD \$8,495.00	USD \$2,125.00	USD \$320.00	USD \$150.27	USD \$322.66
Adjustments						
Region (Arizona: 98.5%)	(USD \$455.10)	(USD \$127.43)	(USD \$31.88)	(USD \$4.80)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$29,884.90	USD \$8,367.58	USD \$2,093.13	USD \$315.20	USD \$150.27	USD \$320.07

Non-Active Use Rates

	Hourly
Standby Rate	USD \$83.20
Idling Rate	USD \$219.27

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	32%	USD \$9,708.80/mo
Overhaul (ownership)	51%	USD \$15,473.40/mo
CFC (ownership)	6%	USD \$1,820.40/mo
Indirect (ownership)	11%	USD \$3,337.40/mo
Fuel (operating) @ USD 5.13	33%	USD \$49.47/hr

Revised Date: 2nd quarter 2022

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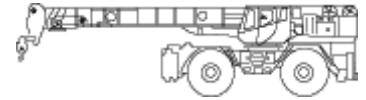
The equipment represented in this report has been exclusively prepared for GEOFF WOJTULEWICZ (gwojtulewicz@pcl.com)

Adjustments for RT Crane 90t Link Belt in All Saved Models

April 21, 2022

Link-Belt RTC-80100

Rough Terrain Hydraulic Cranes



Size Class:

81.0 - 110.9 MTons

Weight:

N/A

Configuration for RTC-80100

Axle Configuration	6 x 2	Maximum Boom Length	150 ft
Maximum Lift Capacity	92000 lbs	Horsepower	330 hp
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$36,435.00	USD \$10,200.00	USD \$2,550.00	USD \$385.00	USD \$185.53	USD \$392.55
Adjustments						
Region (Arizona: 98.5%)	(USD \$546.53)	(USD \$153.00)	(USD \$38.25)	(USD \$5.78)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$35,888.48	USD \$10,047.00	USD \$2,511.75	USD \$379.23	USD \$185.53	USD \$389.44

Non-Active Use Rates

	Hourly
Standby Rate	USD \$99.92
Idling Rate	USD \$273.37

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	32%	USD \$11,659.20/mo
Overhaul (ownership)	51%	USD \$18,581.85/mo
CFC (ownership)	6%	USD \$2,186.10/mo
Indirect (ownership)	11%	USD \$4,007.85/mo
Fuel (operating) @ USD 5.13	37%	USD \$69.46/hr

Revised Date: 2nd quarter 2022

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Adjustments for Office connex 20' in All Saved Models

May 4, 2022

Miscellaneous 8X20

Standard Field Office Trailers

Size Class:

All

Weight:

2900 lbs



Configuration for 8X20

Trailer Size 8' X 20'

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$165.00	USD \$46.00	USD \$12.00	USD \$2.00	USD \$0.69	USD \$1.63
Adjustments						
Region (Arizona: 98.4%)	(USD \$2.64)	(USD \$0.74)	(USD \$0.19)	(USD \$0.03)		
Model Year (2021: 99.73%)	(USD \$0.45)	(USD \$0.12)	(USD \$0.03)	(USD \$0.01)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$161.91	USD \$45.14	USD \$11.78	USD \$1.96	USD \$0.69	USD \$1.61

Non-Active Use Rates

	Hourly
Standby Rate	USD \$0.69
Idling Rate	USD \$0.92

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	53%	USD \$87.45/mo
Overhaul (ownership)	25%	USD \$41.25/mo
CFC (ownership)	5%	USD \$8.25/mo
Indirect (ownership)	17%	USD \$28.05/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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(gwojtulewicz@pcl.com)

ATTACHMENT A

The following is a billable hourly rate table for craft labor:

Craft Classification	PCL Standard Rates(\$/hr)
Foreman	\$ 62.57
Labor	\$ 42.27
Operator (Crane)	\$ 76.09
Operator (Backhoe, Forklift)	\$ 57.49
Carpenter	\$ 55.80

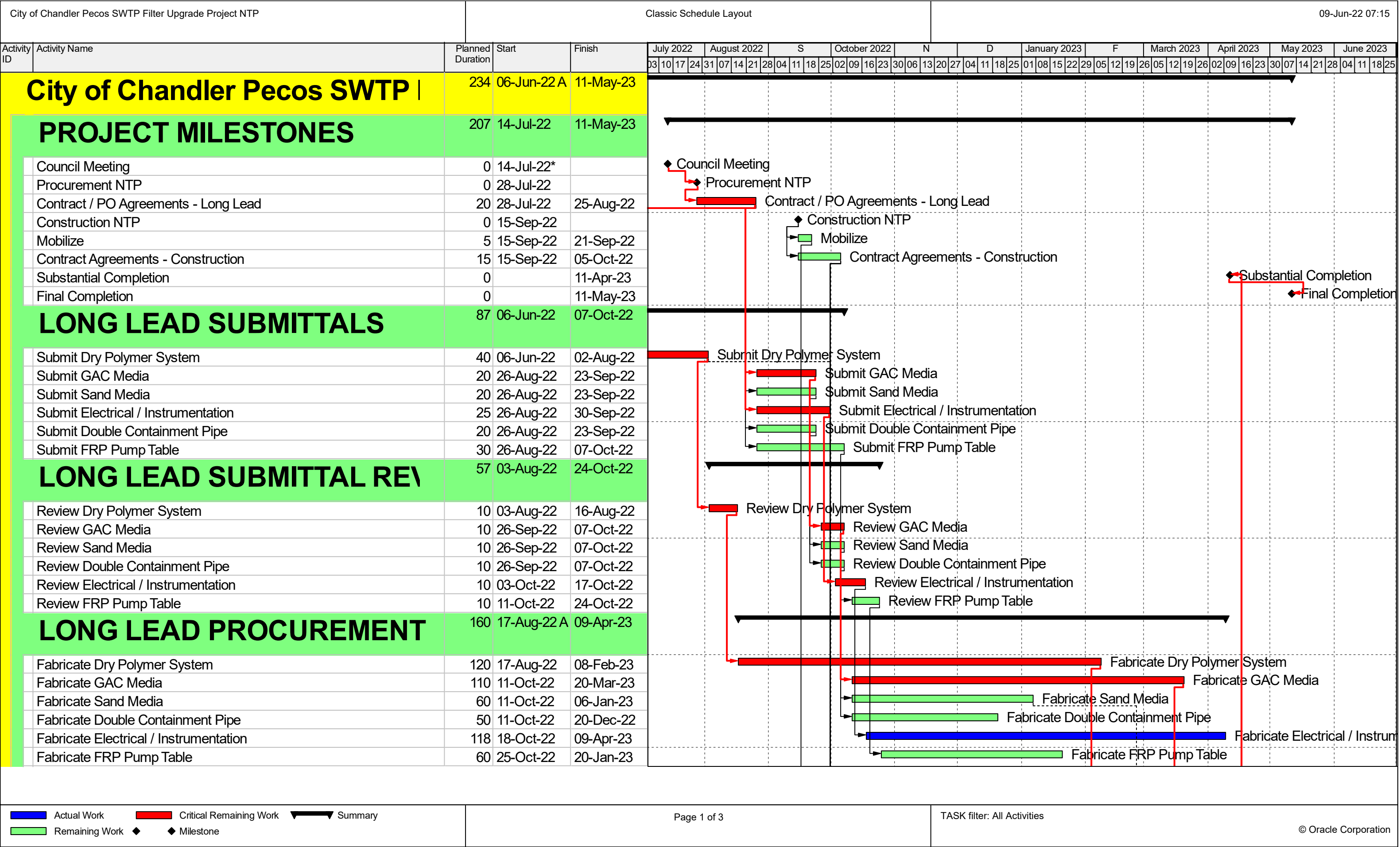
Billable hourly rates used in this proposal are estimates of projected market conditions at the time work will be performed.

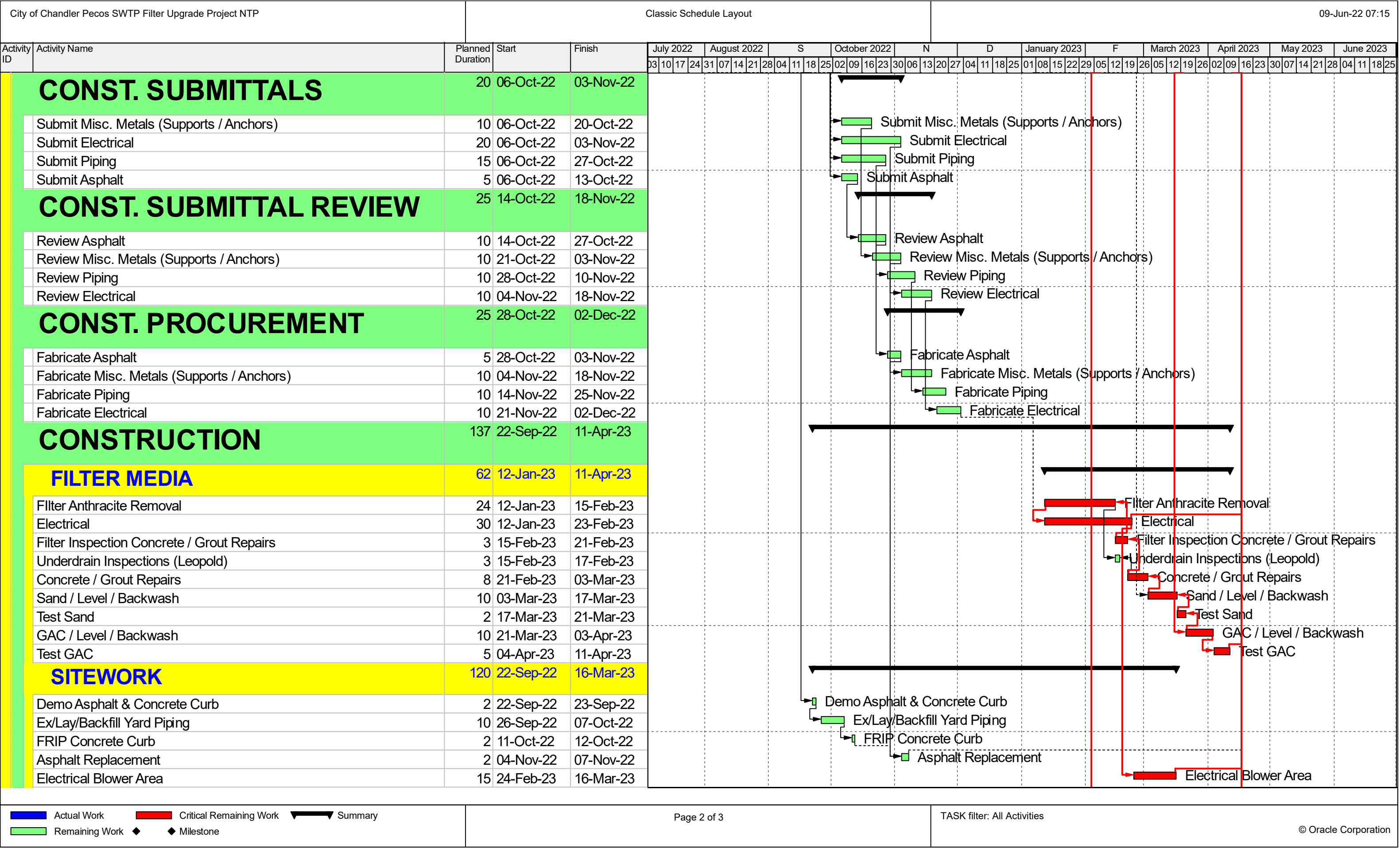
Billable hourly equipment rates shall be the FHWA operated rates published by Bluebook (penton) on equipmentwatch.com

SOV - JOC1915.401 WATER & WASTEWATER FACILITIES RENOVATIONS AND REPAIRS

WA2104.201 - PECOS SURFACE WATER TREATMENT PLANT FILTER MEDIA REPLACEMENT - CONSTRUCTION JOC

-A- Item No.	-B- Description of Work	Unit	Unit Price	-C- Original Schedule Value	-D- Previous Application	-E- This Period	-F- Stored Materials	-G- Total To Date	%	-H- Balance To Finish
	Construction Services									
1	Mobilization	1	LS	20,000.00	0	0.00	0	0.00	0%	20,000.00
2	Chemical Piping Direct Bury	1	LS	101,111.70	0	0.00	0	0.00	0%	101,111.70
3	Demolition Site Work	1	LS	25,000.00	0	0.00	0	0.00	0%	25,000.00
4	Filter Media Removal	1	LS	250,000.00	0	0.00	0	0.00	0%	250,000.00
5	Containment Curb, Sump & Eq Pads	1	LS	30,000.00	0	0.00	0	0.00	0%	30,000.00
6	Polymer Stairs	1	LS	75,000.00	0	0.00	0	0.00	0%	75,000.00
7	FRP Table & Grating	1	LS	15,000.00	0	0.00	0	0.00	0%	15,000.00
8	Polymer System Install	1	LS	22,985.92	0	0.00	0	0.00	0%	22,985.92
9	GAC Media Install & Checkout	1	LS	40,000.00	0	0.00	0	0.00	0%	40,000.00
10	Sand Media Install & Checkout	1	LS	75,000.00	0	0.00	0	0.00	0%	75,000.00
11	Polymer Aid Piping Install	1	LS	285,000.00	0	0.00	0	0.00	0%	285,000.00
12	Painting	1	LS	35,000.00	0	0.00	0	0.00	0%	35,000.00
13	Electrical	1	LS	250,000.00	0	0.00	0	0.00	0%	250,000.00
14	General Conditions	1	LS	325,000.00	0	0.00	0	0.00	0%	325,000.00
	Contingencies									
15	Filter Wall Repairs	1	LS	5,000.00	0	0.00	0	0.00	0%	5,000.00
16	Filter Concrete Repairs	1	LS	25,000.00	0	0.00	0	0.00	0%	25,000.00
17	Underdrain Grout Repairs	1	LS	25,000.00	0	0.00	0	0.00	0%	25,000.00
18	Subcontractor Escalation	1	LS	20,000.00	0	0.00	0	0.00	0%	20,000.00
	TOTALS			1,624,097.62	0	0	0	0	0%	1,624,097.62





[illegible]

EXHIBIT C

PERFORMANCE BOND

ARIZONA STATUTORY PERFORMANCE BOND
PURSUANT TO TITLES 28, 34, AND 41, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT:

(hereinafter "Principal"), and _____ (hereinafter "Surety"), a corporation organized and existing under the laws of the State of _____ with its principal office in the City of _____, holding a certificate of authority to transact surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto _____ (hereinafter "Obligee") in the amount of _____ (Dollars) (\$_____), for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the _____ day of _____, 20__ for construction of **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 2, WA2104.402** which contract is hereby referred to and made a part hereof as fully and to the same extent as if copies at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract, with or without notice of the Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all the undertakings, covenants, terms, conditions, and agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond may recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this _____ day of _____, 20__.

PRINCIPAL SEAL

AGENT OF RECORD

By _____

SURETY SEAL

AGENT ADDRESS

EXHIBIT D

PAYMENT BOND

ARIZONA STATUTORY PAYMENT BOND
PURSUANT TO TITLES 28, 34, AND 41, OF THE ARIZONA REVISED STATUTES
(Penalty of this Bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS THAT: _____

(hereinafter "Principal"), as Principal, and _____ (hereinafter "Surety"), a corporation organized and existing under the laws of the State of _____ with its principal office in the City of _____, holding a certificate of authority to transact surety business in Arizona issued by the Director of the Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto _____ (hereinafter "Obligee") in the amount of _____ (Dollars) (\$ _____), for the payment whereof, the Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the _____ day of _____, 20__ for construction of **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 2, WA2104.402** which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal promptly pays all moneys due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in said contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2 Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond may recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this _____ day of _____, 20__.

PRINCIPAL SEAL

AGENT OF RECORD

By _____

SURETY SEAL

AGENT ADDRESS

EXHIBIT E

CONTRACTOR'S AFFIDAVIT REGARDING SETTLEMENT OF CLAIMS

_____, Arizona

Date _____

Project Name: **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 2**

Project No.: **WA2104.402**

To the City of Chandler, Arizona

Gentlemen:

This is to certify that all lawful claims for materials, rental of equipment and labor used in connection with the construction of the above project, whether by subcontractor or claimant in person, have been duly discharged.

The undersigned, for the consideration of \$_____, as set out in the final pay estimate, as full and complete payment under the terms of the contract, hereby waives and relinquishes any and all further claims or right of lien under, in connection with, or as a result of the above described project. The undersigned further agrees to indemnify and save harmless the City of Chandler against any and all liens, claims or liens, suits, actions, damages, charges and expenses whatsoever, which said City may suffer arising out of the failure of the undersigned to pay for all labor performances and materials furnished for the performance of said installation.

Signed and dated at _____, this _____ day of _____ 20_____.

CONTRACTOR

By _____

STATE OF ARIZONA)
) SS
COUNTY OF MARICOPA)

The foregoing instrument was subscribed and sworn to before me this _____ day of _____ 20_____.

Notary Public

My Commission Expires

EXHIBIT F

CERTIFICATE OF COMPLETION

Project: **PECOS SURFACE WATER TREATMENT PLANT FILTER IMPROVEMENTS – PHASE 2**
Project No.: **WA2104.402**

(TO BE COMPLETED BY CONTRACTOR)

I HEREBY CERTIFY THAT ALL GOODS AND/OR SERVICES REQUIRED BY CITY OF CHANDLER PROJECT NO. **WA2104.402** HAVE BEEN DELIVERED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND BID SPECIFICATIONS AND ALL ACTIVITIES REQUIRED BY THE CONTRACTOR UNDER THE CONTRACT HAVE BEEN COMPLETED AS OF _____.

(Date)

FIRM NAME: _____

PRINCIPAL: _____

(Name)

(Signature)

(Title) DATE: _____

CERTIFIED BY ENGINEER/CONSULTANT (IF APPLICABLE):

(Signature) DATE: _____

(Firm Name)

PROJECT ACCEPTED BY USER DEPARTMENT

(Signature) DATE: _____

(Dept. /Div.)

Date of Final Walk-Through

Date As-Built Received

City As-Built Number