



CITY OF CHANDLER JOB ORDER PROJECT AGREEMENT

Project Name: **OCOTILLO BRINE REDUCTION FACILITY POLYMER STORAGE BUILDINGS**

Project No. **WW2001.401**

This JOB ORDER PROJECT AGREEMENT ("Job Order") is made this _____ day of _____ 2021 ("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 construct two exterior buildings to provide climate control for totes of liquid polymer that is used in the treatment process at Ocotillo Brine Reduction Facility (OBRF) 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 **OCOTILLO BRINE REDUCTION FACILITY POLYMER STORAGE BUILDINGS**, Project Number **WW2001.401**. The scope of work consists of construction of two exterior buildings to provide climate control for totes of liquid polymer that is used in the treatment process at OBRF., 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 **\$1,088,440.13** 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 **330** calendar days from the Notice to Proceed (NTP) Date.

ARTICLE 4. PARTICIPANTS

CITY:	Project Manager: Sandy Story	
	Phone:	480-782-3588
	Email:	Sandra.story@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:

Andrew Goh, P.E.
CIP City Engineer

APPROVED AS TO FORM:

City Attorney By: 

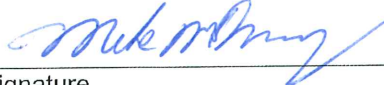
ATTEST:

City Clerk SEAL

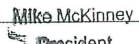
ADDRESS FOR NOTICE
City of Chandler
P.O. Box 4008, Mail Stop 407
Chandler, AZ 85244-4008

"JOC CONTRACTOR"

PCL Construction, Inc.:

 6/14/21

Signature Date

Print Name  President

Title

ATTEST: If Corporation


Secretary Shawn W. Britton
Secretary / Treasurer

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:
 - Construction of two exterior buildings to provide climate control for totes of (liquid) polymer that is used in the treatment process at OBRF.
 - **CLS Polymer Area Scope Includes:**
 - o **Demolition**
 - Remove and Salvage Step Ladder
 - Remove Existing Shade Canopy
 - Disconnect existing CLS Sump Pump & Relocate to nearest shade canopy support column
 - Remove & Cap the service air piping branch from the pump to the service air supply line
 - Remove all CLS sump pump drain piping along the top of the common containment wall
 - Remove Supply Line up to the tee to emergency shower at south east corner of containment area
 - Remove Section of existing service air piping and add tee fitting to provide new piping to pneumatically powered sump pump.
 - Remove section of the existing air piping and add tee fitting to provide new piping to the active polymer tote mixing assembly
 - Remove and cap the service air piping branch from polymer tote mixing assembly. Salvage the active polymer tote mixing assembly and relocate inside of new polymer bldg.
 - Remove existing paving and curb.
 - Existing light pole base
 - o **Site Work**
 - New Sidewalk
 - New Curb & Pavement
 - New Bollards
 - New Polymer Footing
 - Modified Pipe Chase Channel
 - o **Architectural**
 - Metal Building
 - Steel Door & Frame
 - Roll Up Door
 - Concrete Splash Block
 - Fire Extinguisher
 - First Aid Cabinet



○ **Equipment**

- Polymer Tote Storage System
 - Pallet Rack Unit Load Capacity = 2,500lbs (Must support one 2,300lb polymer totes on second tier. Part No. UFL18 (96 x 48) - Capacity in LBS = 16,000
- Tote Scale
- Relocate Sump Pump

○ **Plumbing**

- HDPE Piping Installation
- Unistrut Pipe Supports

○ **HVAC**

- Air Handling Unit
- French Drain

○ **Fire Protection**

- Wire new Water Flow Switch
- Installation of new Horn Strobes on the Interior & Exterior. Connections to existing fire alarm control panel, design, permit, final inspections, and engineering for monitoring new wet fire sprinkler riser and devices.

○ **Electrical**

- Remove & Salvage Light Pole. Demolish light pole concrete Base and light electrical back to source.
- Relocate electrical receptacle on canopy post to new unistrut support
- Relocating existing conduit on south containment curb to inside the new building.
- Reposition / Rotate the tote weigh scale panel (WE154-1-60A) and junction box (polymer STOR. / Feed Control J-Box) inside of the new polymer building. Both panel readouts need to be facing inside of the building.

Belt Press Area Scope Includes:

○ **Demolition**

- Remove all Process Piping (Polymer/Air) and Pipe Supports in and around retention area through CMU Wall
- Remove & Salvage the Aluminum Handrails
- Remove existing light pole concrete base and polymer piping.
- Restore paving to match surrounding Grade for new Eastern roll up door
- Remove & Relocate Belt Press Building Gutter per A06 for Relocation detail
- Relocate Air Supply Piping to penetrate into building per A05 for location and new air piping routing
- Remove existing conduits, struts, & hardware from existing tank pad

○ **Site Work**

- New Bollards
- New Electrical Gutter



- Asphalt Replacement
- 0 **Architectural**
 - Metal Building
 - Steel Door & Frame
 - Roll Up Door
 - Down Spout
 - Concrete Splash Block
 - Fire Extinguisher
 - First Aid Cabinet
 - Painting
- 0 **Equipment**
 - Tote Stand
- 0 **Plumbing**
 - HDPE Piping Installation
 - Unistrut Pipe Supports
- 0 **HVAC**
 - Air Handling Unit
 - French Drain
- 0 **Electrical**
 - Intercept existing conduit below grade and install traffic rated cutter
 - Replace existing ground testing with traffic rated variant
 - Remove Light Pole, electrical back to source

**EXHIBIT B
FEE SCHEDULE**



CONSTRUCTION

JOC 1915.401 - WW2001 OBRF IMPROVEMENTS
POLYMER STORAGE BUILDINGS
 EXHIBIT "B-1"
 Job Order Price Proposal
 Summary Sheet

Negotiated Prices		
Subcontractor(s)	\$	489,820.00
Subconsultant(s)	\$	7,000.00
General Conditions	\$	132,343.00
Preconstruction Labor (if applicable)	\$	4,448.00
Construction Labor (if applicable)	\$	81,869.00
Materials and Equipment	\$	142,026.00
SUBTOTAL (NEGOTIATED PRICES):		\$ 857,506.00
Overhead and Profit (Coefficient per Job Order Master Agreement)	8.00%	\$ 68,600.48
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT):		\$ 926,106.48
Insurance, Bonds, & Taxes		
Sales Tax Percentage (Current Tax Rate)*	5.07%	\$ 55,184.00
General Liability Insurance Percentage **		\$ 7,469.00
Builder's Risk Insurance Percentage **		\$ 1,095.00
Payment & Performance Bond**		\$ 5,975.00
SUBTOTAL (INSURANCE, BONDS, & TAXES):		\$ 69,723.00
SUBTOTAL (NEGOTIATED PRICES + OVERHEAD AND PROFIT + INSURANCE, BONDS, & TAXES):		\$ 995,829.48
City's Allowance	\$	92,610.65
0	\$	-
TOTAL JOB ORDER:		\$ 1,088,440.13
		\$ -

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.



JOC # 2 – Clarifications, Assumptions, and Exclusions

1. CLARIFICATIONS / ASSUMPTIONS

1. No startup of existing plant equipment included
2. Testing / start up of new scales and HVAC included
3. Quality Control included for compaction, subgrade, asphalt
4. Special Inspections to be by Owner
5. Coating Inspection by 3rd Party included
6. Assuming Existing light pole bases are 6' in depth
7. Permit for Fire Suppression System included. All other required permits by owner
8. No hazardous testing or remediation included if discovered
9. All piping to be HDPE pipe. Pipe routing assumptions have been made from field walk
10. Coating of Concrete SOG included.
11. Painting of Structural Steel Only included. Pre-Engineered Bldg. to be provided with finish coating system per Division 13. If additional field painting required, then additional costs will be incurred. Kynar finishing coating system indicated in specification is a finish system and does not require field painting.
12. Procurement of pre-engineered buildings is schedule critical path. Due to availability lead times for submittals and material procurement are extremely long. Proposal for pre-engineered building valid for only 30 days if not released within that time frame \$5,800 will be incurred. PCL has included the \$5,800.00 in proposal
13. No Valves have been included in Proposal
14. No P&ID's included in contract documents
15. No mechanical drawings included in contract documents
16. Programming by others
17. 1 new tote scale included in proposal. Utilize existing at CLS Building
18. Specifications call for lightening protection, but drawings do not indicate lightening protection is required. If not required a deduct of \$13,603.00 can be applied
19. No Arc Flash Study requirement indicated withing specifications or drawings. If required a \$3,135.00 adder will be applied.
20. Temp Facilities does not include an accommodation for the engineer. We will have a small office conex to house contract documents, but no engineers trailer or amenities are included.



Date	April 29, 2021
Time	1:19:07 PM
BE Number	BE210846
Opportunity No	
Owner File No	
Estimator	

General Estimate Summary & Item Analysis Sheet

Project	5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location	Chandler, AZ, USA
Owner	
Designer	

Bid Closing

Project Start	April 7, 2021
Completion	April 7, 2021



BE Number BE210846

Opportunity No

Owner File No

Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL

Location Chandler AZ, USA

Summary Page 1 of 2

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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 COSTS																
DEMO	Site Demolition	1 LS	512	44.31	22,691	385	---	10,612	---	6,500	---	5,520	---	17,578	---	62,901
SITE	Site Work	1 LS	786	43.58	34,244	2,284	---	34,587	---	25,078	---	18,814	---	15,012	---	127,735
ARCH	Architectural	1 LS	22	43.40	955	8	---	264	---	---	---	39,081	---	201,878	---	242,178
EQP	Equipment	1 LS	53	43.85	2,302	4	---	252	---	---	---	34,785	---	---	---	37,339
PLUM	Plumbing	1 LS	414	43.54	18,005	98	---	1,763	---	350	---	9,184	---	---	---	29,302
HVAC	HVAC	1 LS	16	43.40	694	---	---	---	---	---	---	1,080	---	48,843	---	50,617
FIRE	Fire Protection	1 LS	---	---	---	---	---	---	---	---	---	---	---	44,900	---	44,900
ELEC	Electrical	1 LS	---	---	---	---	---	---	---	---	---	---	---	125,742	---	125,742
DIRECT COSTS			1,802	---	78,891	2,779	---	47,479	---	31,928	---	108,464	---	453,953	---	720,715
GENERAL EXPENSE COSTS																
FIXED GENERAL EXPENSE			1 LS													
GE 1	GENERAL EXPENSE	1 LS	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GE 3	F1 MOBILIZE & DEMOBILIZE	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GE 5	F3 CONST TEMP BLDGS-FACL	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GE 7	F5 DISMAN & RESTORE SITE	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GE 8	F6 BOND	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
FIXED GENERAL EXPENSE			1 LS	---	---	---	---	---	---	---	---	---	---	---	---	---
VARIABLE GENERAL EXPENSE			1 LS													
GE 12	V2 OPERATE BLDGS-FACIL	100 %	---	---	---	2,076	68.46	6,846	5	500	---	---	---	---	73.46	7,346
GE 14	V4 OPERATE UTILITIES	100 %	---	---	---	519	29.52	2,952	78	7,800	---	---	---	---	107.52	10,752
GE 15	V5 OPERATE SUPPORT EQUIP	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GE 17	V7 PROJECT STAFF	100 %	1,309	90.09	117,893	---	---	---	---	---	---	---	---	---	1,178.93	117,893
GE 19	V9 MANAGEMENT SERVICE	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GE 20	V10 MISC JOB EXPENSE	100 %	---	---	---	---	---	---	8	800	---	---	---	---	8.00	800
GE 21	V11 EQUIP MAINTENANCE	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GE 23	V13 RENTAL ADJUSTMENTS	100 %	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VARIABLE GENERAL EXPENSE			1 LS	1,309	---	117,893	2,595	---	9,798	---	9,100	---	---	---	---	136,791

001 STANDARD LANDSCAPE MASTER.RPT

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Proprietary and Confidential





BE Number BE210846
Opportunity No
Owner File No
Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

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Item Analysis Sheet

DEMO	Site Demolition	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
02 41 00	CLS POLYMER AREA DEMO	1	LS															
	D01																	
	Note 1: Salvage Step Ladder																	
	Note 1: Remove Existing Shade Canopy																	
	Note 1: Disconnect existing CLS Sump Pump & Relocate to nearest shade canopy support column																	
	Note 1: Remove & Cap the service air piping branch from the pump to the service air supply line																	
	Note 1: Remove all CLS sump pump drain piping along the top of the common containment wall																	
	Note 3: Remove Supply Line up to the tee to emergency shower at south east corner of containment area																	
	Note 6: Remove Section of existing service air piping and add tee fitting to provide new piping to pneumatically powered sump pump.																	
	Note 7: Remove section of the existing air piping and add tee fitting to provide new piping to the active polymer tote mixing assembly																	
	Note 8: Remove and cap the service air piping branch from active polymer tote mixing assembly. Salvage the active polymer tote mixing assembly and relocate inside of new polymer bldg.																	
	Note 10: Remove existing paving and curb.																	
	Note 3 (Electrical) PCL to cover demo of existing light pole base																	
	S02 - Structural Demo																	
02 41 00	Demolition	1	LS															
	Demo STS	1	LS															
	Demo for Both Areas:																	
	STS - General / Misc.	1	LS	---	---	---	---	---	---	---	---	2,500	---	---	---	---	---	2,500
	STS - Rigging	1	LS	---	---	---	---	---	---	---	---	1,000	---	---	---	---	---	1,000
	Demo STS	1.00	LS	---	---	---	---	---	---	---	---	3,500	---	---	---	---	---	3,500
	Step Ladder	1	EA															
	Note 1: Remove & Salvage Step Ladder																	
2	Ladder Removal	2	HR	1.000	1.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	86.80	174
	Forklift, RT 8000# Reach	2	HR	1.000	1.000	2	OP2 49.26	99	63.12	126	---	---	---	---	---	---	112.38	225

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DEMO	Site Demolition	1.00
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BE Number BE210846

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Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL

Location Chandler, AZ, USA

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Apr 29, 2021

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Item Analysis Sheet

DEMO	Site Demolition	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
	Step Ladder	1.00	EA	0.167	6.000	6	45.35	272	126.24	126	---	---	---	---	---	---	398.35	398
	Shade Canopy Removal	1	LS															
	Temp Protection	1	LS	---	---	---	---	---	---	---	---	---	---	200	---	---	---	200
2	Temp Protection	1	HR	1.000	1.000	2	SPC 43.40	87	---	---	---	---	---	---	---	---	86.80	87
	Unbolt / Cut and Lift Off with Forklift - Cut / Dissmantle on Ground																	
3	Conopy Demo	4	HR	1.000	1.000	12	SPC 43.40	521	---	---	---	---	---	---	---	---	130.20	521
	Forklift, RT 8000# Reach	4	HR	1.000	1.000	4	OP2 49.26	197	63.12	252	---	---	---	---	---	---	112.38	450
	Scrap Material to Dumpster																	
	Shade Canopy Removal	1.00	LS	---	---	18	44.70	805	---	252	---	---	---	200	---	---	---	1,257
	Remove Existing CLS Sump Pump	1	LS															
	D01																	
	Includes Note 1																	
	Remove & Cap Service Air Piping Branch from the Pump to the Service Air Supply Line																	
	Removal All CLS Sump Pump Drain Piping Along the top of the Common Containment Wall																	
	CLS Piping																	
2	Remove 2" CLS Piping	100	LF	12.500	0.080	16	SPC 43.40	694	---	---	---	---	---	---	---	---	6.94	694
2	Remove Pump	2	HR	2.000	0.500	2	SPC 43.40	87	---	---	---	---	---	---	---	---	43.40	87
	Sections of Air Line																	
	Removal of Existing Air Line																	
2	Air Line Removal	40	LF	25.000	0.040	3	SPC 43.40	139	---	---	---	---	---	---	---	---	3.47	139
2	Eyewash Station Supply Line	40	LF	10.000	0.100	8	SPC 43.40	347	---	---	---	---	---	---	---	---	8.68	347
	Note 9 on D01 - Does not apply as Section D indicates all EWS Piping be removed so no cost included to rotate valve																	
	Remove Existing CLS Sump Pump	1.00	LS	---	---	29	43.40	1,267	---	---	---	---	---	---	---	---	---	1,267
	Concrete Removal	150.50	CF															

U01 STANDARD-LANDSCAPE-MASTER.RPT

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DEMO	Site Demolition	1.00
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BE Number BE210846

Opportunity No

Owner File No

Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL

Location Chandler, AZ, USA

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Apr 29, 2021

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Item Analysis Sheet

DEMO	Site Demolition	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
D01 - Note 10																		
2	Concrete Remvoal	53.50	CF	2.220	0.450	48	SPC 43.40	2,092	---	---	---	---	---	---	---	---	39.10	2,092
	Hammer - 5500lbs/ft	53.50	CF	2.220	0.450	---	---	---	46.16	1,113	---	---	---	---	---	---	20.79	1,113
	Bckho-Ldr Ct 420C 1.0cy	53.50	CF	2.220	0.450	24	OP2 49.26	1,187	48.51	1,169	---	---	---	---	---	---	44.04	2,356
	Tank Trl Water 500 Gal	53.50	CF	2.220	0.450	---	---	---	16.37	394	---	---	---	---	---	---	7.37	394
D0 1 Light Pole Base 4' DIA x 6' Deep						75.00	CF											
2	Concrete Removal	75	CF	9.375	0.107	16	SPC 43.40	694	---	---	---	---	---	---	---	---	9.26	694
	Hammer - 5500lbs/ft 324-336	75	CF	9.375	0.107	---	---	---	46.16	369	---	---	---	---	---	---	4.92	369
	Bckho-Ldr Ct 420C 1.0cy	75	CF	9.375	0.107	8	OP2 49.26	394	48.51	388	---	---	---	---	---	---	10.43	782
	Tank Trl Water 500 Gal	75	CF	3.000	0.333	---	---	---	16.37	409	---	---	---	---	---	---	5.46	409
Excavate / Backfill Light Pole Base						5.00	CY											
2	Excavate	5	CY	1.000	1.000	10	SPC 43.40	434	---	---	---	---	---	---	---	---	86.80	434
	Bckho-Ldr Ct 420C 1.0cy	5	CY	1.000	1.000	5	OP2 49.26	246	48.51	243	---	---	---	---	---	---	97.77	489
	Tank Trl Water 500 Gal	5	CY	1.000	1.000	---	---	---	16.37	82	---	---	---	---	---	---	16.37	82
	Slurry Backfill	5	CY	---	---	---	---	---	---	---	---	---	118.00	590	---	---	118.00	590
	Short Load Fee	1	EA	---	---	---	---	---	---	---	---	---	200.00	200	---	---	200.00	200
	Enviornmental Fee	1	EA	---	---	---	---	---	---	---	---	---	25.00	25	---	---	25.00	25
	Fuel Surcharge	1	EA	---	---	---	---	---	---	---	---	---	15.00	15	---	---	15.00	15
SO2 - Partial Pipe Chase Demo Remove Exisitng Checkered Plate Prior to Demo and and cut to fit modifications						22.00	CF											
	Protect Exisitng Equip.	2	HR	1.000	1.000	2	SPC 43.40	87	---	---	---	---	100.00	200	---	---	143.40	287
2	Concrete Removal	22	CF	1.830	0.546	24	SPC 43.40	1,043	---	---	---	---	---	---	---	---	47.43	1,043
	65lb Hammer	22	CF	1.830	0.546	---	---	---	1.26	15	---	---	---	---	---	---	0.688525	15
	Comp 185 CFM Diesel	22	CF	1.830	0.546	---	---	---	20.65	248	---	---	---	---	---	---	11.28	248
	Tank Trl Water 500 Gal	22	CF	1.830	0.546	---	---	---	16.37	197	---	---	---	---	---	---	8.94	197

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DEMO	Site Demolition	1.00
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BE Number BE210846

Opportunity No

Owner File No

Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL

Location Chandler, AZ, USA

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Item Analysis Sheet

DEMO	Site Demolition	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 Removal	150.50	CF	1.096	0.913	137	44.98	6,178	30.74	4,627	---	---	6.84	1,030	---	---	78.64	11,835
	02 41 00 Demolition	1.00	LS	---	---	191	44.72	8,522	---	5,006	---	3,500	---	1,230	---	---	---	18,257
	02 41 00 CLS POLYMER AREA DEM	1.00	LS	---	---	191	44.72	8,522	---	5,006	---	3,500	---	1,230	---	---	---	18,257
	02 41 00 BELT PRESS AREA DEMO	1	LS															
	D02																	
	Note 1: Remove all Process Piping (Polymer/Air) and Pipe Supports in and around retention area through CMU Wall																	
	Note 2: Remove & Salvage the Aluminum Handrails																	
	Note 3: Remove existing light pole concrete base and polymer piping. Restore paving to match surrounding Greade for new Eastern roll up door																	
	Note 4: Remove & Relocate Belt Press Building Gutter. See A06 for Relocation detail																	
	Note 5: Relocate Air Supply Piping to penetrate into building. See A05 for location and new air piping routing																	
	Note 6: Remove existing conduits, struts, & hardware from existing tank pad																	
	SO6 - Structural Demo																	
	Process Pipe Removal	1	LS															
	Neat Polymer Line					54.00	LF											
2	Neat Polymer Line Removal	54	LF	13.500	0.074	8	SPC 43.40	347	---	---	---	---	---	---	---	---	6.43	347
	Forklift, RT 10,000# Reach	54	LF	54.000	0.019	1	OP2 49.26	49	63.12	63	---	---	---	---	---	---	2.08	112
	Process Pipe Removal	1.00	LS	---	---	9	44.05	396	---	63	---	---	---	---	---	---	---	460
	Handrail Removal	100	LF															
	Remove & Salvage HR																	
	Includes Removing of Anchors																	
2	Handrail Removal	100	LF	12.500	0.080	16	SPC 43.40	694	---	---	---	---	---	---	---	---	6.94	694
	Forklift, RT 8000# Reach	100	LF	50.000	0.020	2	OP2 49.26	99	63.12	126	---	---	---	---	---	---	2.25	225

DEMO	Site Demolition	1.00
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Location Chandler, AZ, USA

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Item Analysis Sheet

DEMO	Site Demolition	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
	Handrail Removal	100.00	LF	5.556	0.180	18	44.05	793	1.26	126	---	---	---	---	---	---	9.19	919
	Remove Light Pole Concrete Base	1	LS															
	Light Pole Already Removed																	
2	Concrete Removal	75	CF	9.375	0.107	16	SPC 43.40	694	---	---	---	---	---	---	---	---	9.26	694
	Hammer - 5500lbs/ft 324-336	75	CF	9.375	0.107	---	---	---	46.16	369	---	---	---	---	---	---	4.92	369
	Bckho-Ldr Ct 420C 1.0cy	75	CF	9.375	0.107	8	OP2 49.26	394	48.51	388	---	---	---	---	---	---	10.43	782
	Tank Trl Water 500 Gal	75	CF	3.000	0.333	---	---	---	16.37	409	---	---	---	---	---	---	5.46	409
	Excavate / Backfill Light Pole Base					5.00	CY											
2	Excavate	5	CY	1.000	1.000	10	SPC 43.40	434	---	---	---	---	---	---	---	---	86.80	434
	Bckho-Ldr Ct 420C 1.0cy	5	CY	1.000	1.000	5	OP2 49.26	246	48.51	243	---	---	---	---	---	---	97.77	489
	Tank Trl Water 500 Gal	5	CY	1.000	1.000	---	---	---	16.37	82	---	---	---	---	---	---	16.37	82
	Slurry Backfill	5	CY	---	---	---	---	---	---	---	---	---	118.00	590	---	---	118.00	590
	Short Load Fee	1	EA	---	---	---	---	---	---	---	---	---	200.00	200	---	---	200.00	200
	Enviornmental Fee	1	EA	---	---	---	---	---	---	---	---	---	25.00	25	---	---	25.00	25
	Fuel Surcharge	1	EA	---	---	---	---	---	---	---	---	---	15.00	15	---	---	15.00	15
	Remove Light Pole Concrete Base	1.00	LS	---	---	39	45.35	1,769	---	1,491	---	---	---	830	---	---	---	4,090
	Building Gutter Removal	1	LS															
	Remove and Relocate per A06																	
3	Gutter Removal	3	HR	1.000	1.000	9	SPC 43.40	391	---	---	---	---	---	---	---	---	130.20	391
	Scissor Lift - 32' Electric	9	HR	1.000	1.000	---	---	---	9.53	86	---	---	---	---	---	---	9.53	86
	Building Gutter Removal	1.00	LS	---	---	9	43.40	391	---	86	---	---	---	---	---	---	---	476
	Electrical Gutter Prep	1	LS															
	Refer to Drawing E04 for Electrical Gutter Requirements																	
	PCL to Remove Exisitng Asphalt and Replace																	
	QTY's based off Trenwa Inc.																	

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DEMO	Site Demolition	1.00
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DEMO	Site Demolition	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
	10' L x 2' w x 1'-8" Deep Demo																	
	Sawcut Exsiting Asphlt	24	LF	8.000	0.125	3	SPC 43.40	130	---	---	---	---	---	---	---	---	5.42	130
2	Asphalt Removal	20	SF	10.000	0.100	4	SPC 43.40	174	---	---	---	---	---	---	---	---	8.68	174
	Bckho-Ldr Ct 420C 1.0cy	1	HR	1.000	1.000	1	OP2 49.26	49	48.51	49	---	---	---	---	---	---	97.77	98
	Tank Trl Water 500 Gal	4	HR	1.000	1.000	---	---	---	16.37	65	---	---	---	---	---	---	16.37	65
	Electrical Gutter Prep	1.00	LS	---	---	8	44.13	353	---	114	---	---	---	---	---	---	---	467
	Structural Demo S06	1	LS															
	Containment Wall 7"																	
	Saw Cutting (A-Core)	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	1,088	---	1,088
3	Demo	46	CF	5.750	0.174	24	SPC 43.40	1,042	---	---	---	---	---	---	---	---	22.64	1,042
	Forklift, RT 8000# Reach	8	HR	1.000	1.000	8	OP2 49.26	394	63.12	505	---	---	---	---	---	---	112.38	899
	Tank Trl Water 500 Gal	8	HR	1.000	1.000	---	---	---	16.37	131	---	---	---	---	---	---	16.37	131
	Existing Equipment Pad 101 SF x 17" Deep = 143 CF																	
	Saw Cutting (A-Core)	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	11,990	---	11,990
3	Demo	143	CF	5.950	0.168	72	SPC 43.40	3,129	---	---	---	---	---	---	---	---	21.88	3,129
	Forklift, RT 8000# Reach	24	HR	1.000	1.000	24	OP2 49.26	1,182	63.12	1,515	---	---	---	---	---	---	112.38	2,697
	Dump Box w/fork attach	24	HR	1.000	1.000	---	---	---	0.5022	12	---	---	---	---	---	---	0.502200	12
	Tank Trl Water 500 Gal	24	HR	1.000	1.000	---	---	---	16.37	393	---	---	---	---	---	---	16.37	393
	60lb Hammer	24	HR	1.000	1.000	---	---	---	1.26	30	---	---	---	---	---	---	1.26	30
	Comp 185 CFM Diesel	24	HR	1.000	1.000	---	---	---	20.65	496	---	---	---	---	---	---	20.65	496
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	500	---	---	---	500
	Structural Demo	1.00	LS	---	---	128	44.86	5,747	---	3,081	---	---	---	500	---	13,078	---	22,406

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DEMO	Site Demolition	1.00
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DEMO	Site Demolition	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
Demo Asphalt		136 SF																
Demo Asphalt (Small)		136 SF																
	Sawcutting	108 LF	18.000	0.056	6	SPC 43.40	260	---	---	---	---	---	---	---	---	---	2.41	260
2	Asphalt Removal	76 SF	34.000	0.029	4	SPC 43.40	194	---	---	---	---	---	---	---	---	---	2.55	194
2	Asphalt Removal (S End Slower by Hand)	60 SF	10.000	0.100	12	SPC 43.40	521	---	---	---	---	---	---	---	---	---	8.68	521
	Bckho-Ldr Ct 420C 1.0cy	136 SF	68.000	0.015	2	OP2 49.26	99	48.51	97	---	---	---	---	---	---	---	1.44	196
	STS	1 LS	---	---	---	---	---	---	---	---	---	---	200	---	---	---	---	200
Demo Asphalt (Small)		136.00 SF	5.558	0.180	24	43.88	1,074	0.713348	97	---	---	1.47	200	---	---	---	10.08	1,371
Demo Asphalt		136.00 SF	5.558	0.180	24	43.88	1,074	0.713348	97	---	---	1.47	200	---	---	---	10.08	1,371
Asphalt Replacement		1 LS																
	Cactus Asphalt	10 SY	---	---	---	---	---	---	---	---	---	---	---	300.00	3,000	300.00	3,000	
	Cactus Asphalt Mobilization	1 EA	---	---	---	---	---	---	---	---	---	---	---	1,500.00	1,500	1,500.00	1,500	
Asphalt Subgrade Prep		96.00 SF																
AB		5 TN	---	---	---	---	---	---	---	---	---	17.00	85	---	---	---	17.00	85
2	Subgrade Prep	96 SF	48.000	0.021	4	SPC 43.40	174	---	---	---	---	---	---	---	---	---	1.81	174
	Bckho-Ldr Ct 420C 1.0cy	96 SF	48.000	0.021	2	OP2 49.26	99	48.51	97	---	---	---	---	---	---	---	2.04	196
	Tank Trl Water 500 Gal	96 SF	48.000	0.021	---	---	---	16.37	33	---	---	---	---	---	---	---	0.340938	33
	Cmpt Vib Pdft Ct CP-433 66"-O	96 SF	48.000	0.021	---	---	---	31.26	63	---	---	---	---	---	---	---	0.651213	63
Sawcut / Clean Up Edges		32.00 LF																
	Clean Edges	32 LF	16.000	0.063	2	SPC 43.40	87	---	---	---	---	---	---	---	---	---	2.71	87
	STS	1 LS	---	---	---	---	---	---	---	---	---	---	150	---	---	---	---	150
Asphalt Replacement		1.00 LS	---	---	8	44.86	359	---	192	---	---	---	235	---	---	4,500	---	5,286
Cut & Cap Exisitng Polymer Feed Line		1 LS																

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DEMO	Site Demolition	1.00
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DEMO	Site Demolition	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
	Cap 2" Fill Line	1	EA	1.000	1.000	1	SPC 43.40	43	---	---	---	---	40.00	40	---	---	83.40	83
2	Sawcut Asphalt / Removal	6	LF	6.000	0.167	2	SPC 43.40	87	---	---	---	---	---	---	---	---	14.47	87
2	Hand Dig / Backfill	2	HR	1.000	1.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	86.80	174
	Tank Trl Water 500 Gal	6	LF	6.000	0.167	---	---	---	16.37	16	---	---	---	---	---	---	2.73	16
	Cut & Cap Exisitng Polymer Feed Line	1.00	LS	---	---	7	43.40	304	---	16	---	---	---	40	---	---	---	360
	02 41 00 BELT PRESS AREA DEMO	1.00	LS	---	---	251	44.64	11,185	---	5,267	---	---	---	1,805	---	17,578	---	35,835
	Site Demo / Site Work Haul Off	1	LS															
	Stock Pile Material and Haul Off at one time due to small quantity amount																	
	CLS Area																	
	Includes: Curb / Sidewalk / Ramp Light Poles & Pipe Chase / Footings / Bollards / French Drains																	
	Belt Press Area																	
	Includes Polymer Feed Line / Light Pole / Structural Containment Wall / Structural - Equip. Pan / Perimeter Asphalt / FTGS / Electrical Gutter																	
	Concrete Haul Off																	
	13CY / LD with 1 hour round trip / Unit Cost includes dump fees																	
	Haul Off	2	LD	---	---	---	---	---	---	---	---	---	355.00	710	---	---	355.00	710
	Bckho-Ldr Ct 420C 1.0cy	2	HR	1.000	1.000	2	OP2 49.26	99	48.51	97	---	---	---	---	---	---	97.77	196
	Asphalt Haul Off																	
	Haul Off	1	LD	---	---	---	---	---	---	---	---	---	355.00	355	---	---	355.00	355
	Bckho-Ldr Ct 420C 1.0cy	1	HR	1.000	1.000	1	OP2 49.26	49	48.51	49	---	---	---	---	---	---	97.77	98
	Native Material Haul Off																	
	Haul Off	4	LD	---	---	---	---	---	---	---	---	---	355.00	1,420	---	---	355.00	1,420
	Bckho-Ldr Ct 420C 1.0cy	4	HR	1.000	1.000	4	OP2 49.26	197	48.51	194	---	---	---	---	---	---	97.77	391
	Site Demo / Site Work Haul Off	1.00	LS	---	---	7	49.26	345	---	340	---	---	---	2,485	---	---	---	3,169

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DEMO	Site Demolition	1.00
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DEMO	Site Demolition	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
MOBILIZE		100 %															
Freight In		100 %															
	Unload at Job Site	16 HR	1.000	1.000	16	^{WKS} 40.53	648	---	---	---	---	---	---	---	---	40.53	648
ENTER COSTS From Equipment Freight Report																	
	Equipment Freight -IN	1 LS	---	---	---	---	---	---	---	---	1,000	---	---	---	---	---	1,000
Freight In		100.00 %	6.250	0.160	16	40.53	648	---	---	10.00	1,000	---	---	---	---	16.48	1,648
MOBILIZE		100.00 %	6.250	0.160	16	40.53	648	---	---	10.00	1,000	---	---	---	---	16.48	1,648
DEMOBILIZE		100 %															
Freight Out		100 %															
	Load at Site	16 HR	1.000	1.000	16	^{WKS} 40.53	648	---	---	---	---	---	---	---	---	40.53	648
ENTER COSTS From Equipment Freight Report																	
	Equipment Freight -OUT	1 LS	---	---	---	---	---	---	---	---	1,000	---	---	---	---	---	1,000
Freight Out		100.00 %	6.250	0.160	16	40.53	648	---	---	10.00	1,000	---	---	---	---	16.48	1,648
DEMOBILIZE		100.00 %	6.250	0.160	16	40.53	648	---	---	10.00	1,000	---	---	---	---	16.48	1,648
Const/Set-Up Office Bldg		100 %															
	Set Up Office-Labor	16 HR	1.000	1.000	16	^{SPC} 43.40	694	---	---	---	---	---	---	---	---	43.40	694
	Set Up Office-Material	1 EA	---	---	---	---	---	---	---	500.00	500	---	---	---	---	500.00	500
Const/Set-Up Office Bldg		100.00 %	6.250	0.160	16	43.40	694	---	---	5.00	500	---	---	---	---	11.94	1,194
Set-Up Trailers & Vans		100 %															
	Set-up costs are per Trailer																
	Set Up Container-Labor	16 HR	1.000	1.000	16	^{WKS} 40.53	648	---	---	---	---	---	---	---	---	40.53	648

DEMO	Site Demolition	1.00
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DEMO	Site Demolition	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
	Set Up Container-Materia	1	LS	---	---	---	---	---	---	---	---	500	---	---	---	---	---	500
	Set-Up Trailers & Vans	100.00	%	6.250	0.160	16	40.53	648	---	---	5.00	500	---	---	---	---	11.48	1,148
	Site Demolition	1.00	LS	---	---	512	44.31	22,691	---	10,612	---	6,500	---	5,520	---	17,578	---	62,901



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SITE	Site Work	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
CLS POLYMER AREA		1 LS															
Includes the Following:																	
New Sidewalk																	
New Curb & Pavement																	
New Bollards																	
New Polymer Footing																	
Modified Pipe Chase Channel																	
Potholing		1 LS															
Locate Existing Utilities																	
Electrical 2 EA / Air Piping 2 EA																	
Non Distructive		4 HR	---	---	---	---	---	---	---	---	---	265.00	1,060	---	---	265.00	1,060
Pothole Assistance		4 HR	1.000	1.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	43.40	174
Potholing		1.00 LS	---	---	4	43.40	174	---	---	---	---	---	1,060	---	---	---	1,234
Site Excavation		27 CY															
Over Ex by 6" backfill with AB (Subgrade Prep)																	
Congested Areas - Slower Production																	
2	Foundation Prep	27 CY	1.000	1.000	54	SPC 43.40	2,344	---	---	---	---	---	---	---	---	86.80	2,344
	Bckho-Ldr Ct 420C 1.0cy	27 CY	1.000	1.000	27	SPC 43.40	1,172	48.51	1,310	---	---	---	---	---	---	91.91	2,481
	Trench Compactor 24"-33"	27 CY	250.000	0.004	---	---	---	21.54	2	---	---	---	---	---	---	0.086177	2
	Tank Trl Water 500 Gal	27 HR	1.000	1.000	---	---	---	16.37	442	---	---	---	---	---	---	16.37	442
Haul off Covered in Site Haul Off																	
Site Excavation		27.00 CY	0.333	3.000	81	43.40	3,515	64.96	1,754	---	---	---	---	---	---	195.16	5,269
CONCRETE		31 CY															
Sub Grade Prep		404 SF															

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SITE	Site Work	1.00
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BE Number BE210846

Opportunity No

Owner File No

Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL

Location Chandler, AZ, USA

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Item Analysis Sheet

SITE	Site Work	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
Quantities						404.00												
	AB	60 TN		---	---								16.00	960		---	16.00	960
2	Foundation Prep	404 SF		16.830	0.059	48	SPC 43.40	2,084	---	---	---	---	---	---	---	---	5.16	2,084
	Bckho-Ldr Ct 420C 1.0cy	404 SF		16.830	0.059	24	SPC 43.40	1,042	48.51	1,164	---	---	---	---	---	---	5.46	2,206
	Trench Compactor 24"-33"	404 SF		16.830	0.059	---	---	---	21.54	517	---	---	---	---	---	---	1.28	517
	Tank Trl Water 500 Gal	24 HR		1.000	1.000	---	---	---	16.37	393	---	---	---	---	---	---	16.37	393
Sub Grade Prep		404.00 SF		5.610	0.178	72	43.40	3,125	5.13	2,074	---	---	2.38	960	---	---	15.25	6,160
Concrete Formwork		459 SF																
Fab Formwork		459 SF																
Fab SOG & Ftg Forms						450.00 SF												
Fab SOG Forms (Stick Built)						450.00												
3	Fab SOG Forms	450 SF		18.750	0.053	72	SPC 43.40	3,125	---	---	---	---	---	---	---	---	6.94	3,125
	Form Ply 3/4"	495 SF		---	---	---	---	---	---	---	1.15	569	---	---	---	---	1.15	569
	Dimen. Lumber (2x4-2x10)	990 BF		---	---	---	---	---	---	---	0.800000	792	---	---	---	---	0.800000	792
	Form Hardware	450 SF		---	---	---	---	---	---	---	0.300000	135	---	---	---	---	0.300000	135
Fab Wall Forms						9.00 SF												
Fab Wall Form (Stick Built Gang)						9.00 SF												
Pipe Chase Wall																		
2	Fab Wall Forms	9 SF		8.000	0.125	2	SPC 43.40	98	---	---	---	---	---	---	---	---	10.85	98
	3/4" MDO Plywood	9 SF		---	---	---	---	---	---	---	1.15	10	---	---	---	---	1.15	10
	Form Hardware	9 SF		---	---	---	---	---	---	---	0.300000	3	---	---	---	---	0.300000	3
	Dimen. Lumber (4x4-4x8)	39.60 BF		---	---	---	---	---	---	---	0.900000	36	---	---	---	---	0.900000	36
Fab Formwork		459.00 SF		6.182	0.162	74	43.40	3,222	---	---	3.37	1,545	---	---	---	---	10.39	4,767

SITE	Site Work	1.00
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Location Chandler, AZ, USA

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SITE	Site Work	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
Erect and Strip Formwork		459 SF															
Totals Formwork						459.00	sf										
	Form Oil	459 SF	---	---	---	---	---	---	---	0.030000	14	---	---	---	---	0.030000	14
	Erect and Strip Supplies	459 SF	---	---	---	---	---	---	---	0.250000	115	---	---	---	---	0.250000	115
CLS Polymer Area						459.00	SF										
CLS Polymer Area						459.00											
3	SOG & Ftgs	363 SF	9.075	0.110	120	SPC 43.40	5,208	---	---	---	---	---	---	---	---	14.35	5,208
3	Walls Less than 8'	9 SF	3.000	0.333	9	SPC 43.40	391	---	---	---	---	---	---	---	---	43.40	391
3	Curbs	87 SF	10.785	0.093	24	SPC 43.40	1,050	---	---	---	---	---	---	---	---	12.07	1,050
Loose Formwork						19.00	SF										
Blockouts						19.00	SF										
Electrical Stub Ups																	
	Form Ply 3/4"	19 SF	---	---	---	---	---	---	---	1.15	22	---	---	---	---	1.15	22
	Dimen. Lumber (2x4-2x10)	38 BF	---	---	---	---	---	---	---	0.800000	30	---	---	---	---	0.800000	30
2	Blockout	19 SF	6.333	0.158	6	SPC 43.40	260	---	---	---	---	---	---	---	---	13.71	260
Erect and Strip Formwork		459.00 SF	2.883	0.347	159	43.40	6,909	---	---	0.393834	181	---	---	---	---	15.45	7,090
Concrete Formwork		459.00 SF	1.966	0.509	233	43.40	10,132	---	---	3.76	1,726	---	---	---	---	25.83	11,857
03300 Cast In Place Concrete		31 CY															
Concrete Materials		33.50 CY															
TOTAL CONCRETE						31.00	Cy										
CONC BASE BID						31.00											
Structural Concrete 4,000psi																	
Sidewalk Concrete 3,000psi																	
	Conc.4000 Psi	26 CY	---	---	---	---	---	---	---	---	---	128.50	3,341	---	---	128.50	3,341

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SITE	Site Work	1.00
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Location Chandler, AZ, USA

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Item Analysis Sheet

SITE	Site Work	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
	Conc.4000 Psi Waste 5%	1.50	CY	---	---	---	---	---	---	---	---	---	128.50	193	---	---	128.50	193
	Conc.3000 Psi	5	CY	---	---	---	---	---	---	---	---	---	123.50	618	---	---	123.50	618
	Conc.3000 Psi Waste 5%	1	CY	---	---	---	---	---	---	---	---	---	123.50	124	---	---	123.50	124
	Enviromental Fees	5	LD	---	---	---	---	---	---	---	---	---	25.00	125	---	---	25.00	125
	Fuel Surcharge	5	LD	---	---	---	---	---	---	---	---	---	15.00	75	---	---	15.00	75
	Shortload Fees	2	EA	---	---	---	---	---	---	---	---	---	200.00	400	---	---	200.00	400
	Hot Weather Concrete-Ice	---	CY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Cold Weather Concrete-Additive	---	CY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Conc. Placing Supplies	27.50	CY	---	---	---	---	---	---	---	0.350000	10	---	---	---	---	0.350000	10
	Concrete Materials	33.50	CY	---	---	---	---	---	---	---	0.287313	10	145.51	4,875	---	---	145.80	4,884
	Concrete Placement	31	CY															
	Total Concrete CY					31.00												
	CLS Polymer Area					31.00	CY											
	CLS Polymer Area					31.00	CY											
	Sog & Ftgs'	28.50	CY	1.000	1.000	29	SPC 43.40	1,237	---	---	---	---	---	---	---	---	43.40	1,237
	Walls	1	CY	0.500	2.000	2	SPC 43.40	87	---	---	---	---	---	---	---	---	86.80	87
	Curbs	1.50	CY	1.000	1.000	2	SPC 43.40	65	---	---	---	---	---	---	---	---	43.40	65
	Pumping					31.00	CY											
	Tailgate					12.00	CY											
	Concrete Pump (SOG 1)					19.00	CY											
P	36 M 120' Boom (Hourly Charge)	4	HR	---	---	---	---	---	---	---	214.00	856	---	---	---	---	214.00	856
P	Fuel Surgarge	4	HR	---	---	---	---	---	---	---	---	---	15.00	60	---	---	15.00	60
P	36 M 120' Boom (CY Charge)	19	CY	---	---	---	---	---	---	---	3.50	67	---	---	---	---	3.50	67
	Concrete Placement	31.00	CY	0.969	1.032	32	43.40	1,389	---	---	29.76	923	1.94	60	---	---	76.49	2,371

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SITE	Site Work	1.00
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SITE	Site Work	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	31.00	CY	0.969	1.032	32	43.40	1,389	---	---	30.07	932	159.19	4,935	---	---	234.05	7,256
03251	Concrete Joints	31	CY															
	Concrete Joint Qty																	
	Joint Prep- Sandblast	21	SF															
2	Joint Prep	21	SF	2.600	0.385	16	SPC 43.40	701	---	---	---	---	---	---	---	---	33.38	701
	Comp 185 CFM Diesel	21	SF	15.000	0.067	---	---	---	20.65	29	---	---	---	---	---	---	1.38	29
	Greencut Supplies	21	SF	---	---	---	---	---	---	---	0.150000	3	---	---	---	---	0.150000	3
	Joint Prep- Sandblast	21.00	SF	1.300	0.769	16	43.40	701	1.38	29	0.150000	3	---	---	---	---	34.91	733
	Waterstop Qty	20	LF															
	Sidewalk / SOG																	
	Sawcut Crack Joints Labor	20	LF	10.000	0.100	2	SPC 43.40	87	---	---	---	---	---	---	---	---	4.34	87
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	50	---	---	---	50
	Waterstop Qty					10.00												
	Pipe Chase Wall																	
	Hydro Waterstop	10	LF	---	---	---	---	---	---	---	---	---	8.00	80	---	---	8.00	80
	Install Hydro Waterstop	10	LF	6.000	0.167	2	SPC 43.40	72	---	---	---	---	---	---	---	---	7.23	72
	Waterstop Qty	20.00	LF	5.455	0.183	4	43.40	159	---	---	---	---	6.50	130	---	---	14.46	289
03251	Concrete Joints	31.00	CY	1.564	0.639	20	43.40	860	0.932493	29	0.101613	3	4.19	130	---	---	32.98	1,022
	Conc Finishing	9	SF															
	Quantities					9.00	SF											
	Point and Patch Finish	9	SF	3.000	0.333	3	SPC 43.40	130	---	---	---	---	---	---	---	---	14.47	130
	Grout Finish	9	SF	3.000	0.333	3	SPC 43.40	130	---	---	---	---	---	---	---	---	14.47	130
	Finishing Supplies P&P	9	SF	---	---	---	---	---	---	---	10.00	90	---	---	---	---	10.00	90
	Concrete Sealer - Not Sure Applies here																	
	as no new SOG being installed per drawings and not included																	

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SITE	Site Work	1.00
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Item Analysis Sheet

SITE	Site Work	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
	Conc Finishing	9.00	SF	1.500	0.667	6	43.40	260	---	---	10.00	90	---	---	---	---	38.93	350
	Curing	31	CY															
	Curing	923	SF															
	Quantities	923.00	SF															
	Curing Labor	923	SF	200.000	0.005	5	43.40	200	---	---	---	---	---	---	---	---	0.216995	200
	Water Curing Supplies	923	SF	---	---	---	---	---	---	---	0.100000	92	---	---	---	---	0.100000	92
	Curing	923.00	SF	200.000	0.005	5	43.40	200	---	---	0.100000	92	---	---	---	---	0.316995	293
	Curing	31.00	CY	6.717	0.149	5	43.40	200	---	---	2.98	92	---	---	---	---	9.44	293
	03200 Conc Reinforcement	3.10	TN															
	Rebar Sub: Supply & Install	3.10	TN															
	Rebar Subcontractor																	
	Harris Rebar	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	3,990	---	3,990
	Install Dowels																	
	No Epoxy (3" Embedment)																	
	#4 Rebar Dowels	10	EA	---	---	---	---	---	---	---	---	---	3.00	30	---	---	3.00	30
	Install Dowels	10	EA	2.000	0.500	5	43.40	217	---	---	---	---	---	---	---	---	21.70	217
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	100	---	---	---	100
	Rebar Sub: Supply & Install	3.10	TN	0.620	1.613	5	43.40	217	---	---	---	---	41.94	130	1,287.10	3,990	1,399.03	4,337
	03200 Conc Reinforcement	3.10	TN	0.620	1.613	5	43.40	217	---	---	---	---	41.94	130	1,287.10	3,990	1,399.03	4,337
	CONCRETE	31.00	CY	0.083	12.029	373	43.40	16,184	67.85	2,103	91.72	2,843	198.54	6,155	128.71	3,990	1,008.86	31,275
	Bollards	4	EA															
	DWGS C01 & C02																	
	Bollards to be 6" DIA SCH 40 Steel Filled with Concrete																	
	Bollard Covers: Post Guard Model CL 1386F 7" DIA x 4"-4" High (Yellow w/ Reflective Red Strips)																	

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SITE	Site Work	1.00
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SITE	Site Work	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
	Bollard Height Estimated to be 8'-4" High and 4' Embedded in Class "B" Concrete																	
	SCH 40 Bollards (Blue Dot Steel)	4	EA	---	---	---	---	---	---	---	---	---	495.00	1,980	---	---	495.00	1,980
	Post Guard Covers					4.00	EA						0.00					
	Compressive Foam Strips	10	LF	---	---	---	---	---	---	---	---	---	5.00	50	---	---	5.00	50
	Class "B" Concrete	1.50	CY	---	---	---	---	---	---	---	---	---	123.50	185	---	---	123.50	185
	Short Load Fee	1	EA	---	---	---	---	---	---	---	---	---	200.00	200	---	---	200.00	200
	Enviornmental	1	EA	---	---	---	---	---	---	---	---	---	25.00	25	---	---	25.00	25
	Fuel Surcharge	1	EA	---	---	---	---	---	---	---	---	---	15.00	15	---	---	15.00	15
	2' x 2' x 2' Concrete					1.00	CY											
2	Excavate	1	CY	0.500	2.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	173.60	174
	Bckho-Ldr Ct 420C 1.0cy	1	CY	0.500	2.000	2	OP2 49.26	99	48.51	97	---	---	---	---	---	---	195.53	196
	Set & Place Place Bollards	4	EA	2.000	0.500	2	SPC 43.40	87	---	---	---	---	---	---	---	---	21.70	87
	Anchors	16	EA	4.000	0.250	4	SPC 43.40	174	---	---	---	---	5.00	80	---	---	15.85	254
	Post Guard Covers	4	EA	2.000	0.500	2	SPC 43.40	87	---	---	---	---	---	---	---	---	21.70	87
	Bollards	4.00	EA	0.286	3.500	14	44.24	619	24.25	97	---	---	633.81	2,535	---	---	812.89	3,252
	CLS POLYMER AREA	1.00	LS	---	---	472	43.42	20,492	---	3,954	---	2,843	---	9,750	---	3,990	---	41,029
	BELT PRESS POLYMER AREA	1	LS															
	Includes the Following:																	
	New Bollards																	
	New Electrical Gutter																	
	Asphalt Replacement Covered in Demo																	
	Potholing	1	LS															
	Locate Existing Utilities																	
	Non Distructive	4	HR	---	---	---	---	---	---	---	---	---	265.00	1,060	---	---	265.00	1,060
	Pothole Assistance	4	HR	1.000	1.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	43.40	174

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SITE	Site Work	1.00
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SITE	Site Work	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
	Potholing	1.00	LS	---	---	4	43.40	174	---	---	---	---	---	1,060	---	---	---	1,234
	Bollards	5 EA																
	DWGS C01 & C02																	
	Bollards to be 6" DIA SCH 40 Steel Filled with Concrete																	
	Bollard Covers: Post Guard Model CL 1386 7" DIA x 4'-4" High (Yellow w/ Reflective Red Strips)																	
	Bollard Height Estimated to be 8'-4" High and 4' Embedded in Class "B" Concrete																	
	SCH 40 Bollards (Blue Dot Steel)	5 EA		---	---	---	---	---	---	---	---	---	495.00	2,475	---	---	495.00	2,475
	Post Guard Covers					5.00	EA						0.00					
	Compressive Foam Strips	10 LF		---	---	---	---	---	---	---	---	---	5.00	50	---	---	5.00	50
	Class "B" Concrete	2 CY		---	---	---	---	---	---	---	---	---	123.50	247	---	---	123.50	247
	Short Load Fee	1 EA		---	---	---	---	---	---	---	---	---	200.00	200	---	---	200.00	200
	Envirnmental	1 EA		---	---	---	---	---	---	---	---	---	25.00	25	---	---	25.00	25
	Fuel Surcharge	1 EA		---	---	---	---	---	---	---	---	---	15.00	15	---	---	15.00	15
	2' x 2' x 2' Concrete					1.50	CY											
2	Excavate	1.50 CY		0.500	2.000	6	SPC 43.40	260	---	---	---	---	---	---	---	---	173.60	260
	Bckho-Ldr Ct 420C 1.0cy	1.50 CY		0.500	2.000	3	OP2 49.26	148	48.51	146	---	---	---	---	---	---	195.53	293
	Set & Place Place Bollards	5 EA		2.000	0.500	3	SPC 43.40	108	---	---	---	---	---	---	---	---	21.70	108
	Anchors	20 EA		4.000	0.250	5	SPC 43.40	217	---	---	---	---	5.00	100	---	---	15.85	317
	Post Guard Covers	5 EA		2.000	0.500	3	SPC 43.40	108	---	---	---	---	---	---	---	---	21.70	108
	Bollards	5.00 EA		0.263	3.800	19	44.32	842	29.10	146	---	---	622.40	3,112	---	---	819.94	4,100
	Electrical Gutter	1 LS																
	Asphalt Remvoal covered in Demo																	
	Excavate / Backfill Covered by PCL / Installation Furnish and Install provided by Electrician																	
	Neat Trench Excavate					1.50	CY											
2	Excavate	1.50 CY		0.375	2.667	8	SPC 43.40	347	---	---	---	---	---	---	---	---	231.46	347
	Bckho-Ldr Ct 420C 1.0cy	1.50 CY		0.375	2.667	4	OP2 49.26	197	48.51	194	---	---	---	---	---	---	260.71	391
	Tank Trl Water 500 Gal	1.50 CY		0.375	2.667	---	---	---	16.37	65	---	---	---	---	---	---	43.64	65

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SITE	Site Work	1.00
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BE Number BE210846
Opportunity No
Owner File No
Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

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Item Analysis Sheet

SITE	Site Work	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 Gutter	1.00	LS	---	---	12	45.35	544	---	259	---	---	---	---	---	---	---	804
	CONCRETE	21	CY															
	Footing Excavation	6	CY															
	20' x 2' x 2' = 3 CY Hand Dig North End = 3 CY Neat Trench Footing																	
	Excavate	3	CY	1.000	1.000	3	SPC 43.40	130	---	---	---	---	---	---	---	---	43.40	130
2	Hand Excavate	3	CY	0.250	4.000	24	SPC 43.40	1,042	---	---	---	---	---	---	---	---	347.19	1,042
	Bckho-Ldr Ct 420C 1.0cy	3	CY	1.000	1.000	3	OP2 49.26	148	48.51	146	---	---	---	---	---	---	97.77	293
	Tank Trl Water 500 Gal	6	CY	1.000	1.000	---	---	---	16.37	98	---	---	---	---	---	---	16.37	98
	Haul off Covered in Site Haul Off																	
	Footing Excavation	6.00	CY	0.200	5.000	30	43.98	1,320	40.62	244	---	---	---	---	---	---	260.54	1,563
	Sand Fill Structure	25	CY															
	Fill in Voids per Drawing with Sand Area = 343 SF - Concrete Pedestal 100 SF = 243 SF / Depth = 2'-9" = 25 CY * 2 = 50 TN																	
	Sand	50	TN	---	---	---	---	---	---	---	---	---	18.00	900	---	---	18.00	900
3	Sand Fill	25	CY	6.250	0.160	12	SPC 43.40	521	---	---	---	---	---	---	---	---	20.83	521
	Forklift, RT 8000# Reach	25	CY	6.250	0.160	4	OP2 49.26	197	63.12	252	---	---	---	---	---	---	17.98	450
	Dump Box w/fork attach	25	CY	6.250	0.160	---	---	---	0.5022	2	---	---	---	---	---	---	0.080352	2
	Trench Compactor 24"-33"	25	CY	6.250	0.160	---	---	---	21.54	86	---	---	---	---	---	---	3.45	86
	Tank Trl Water 500 Gal	25	CY	6.250	0.160	---	---	---	16.37	65	---	---	---	---	---	---	2.62	65
	Sand Fill Structure	25.00	CY	1.563	0.640	16	44.86	718	16.24	406	---	---	36.00	900	---	---	80.96	2,024
	Sub Grade Prep	92	SF															
	Footing South Equipment Pad SOG Not included - Covered in Sand Fill																	

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SITE	Site Work	1.00
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Item Analysis Sheet

SITE	Site Work	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		
Quantities						92.00														
	AB	2 TN	---	---	---	---	---	---	---	---	---	---	16.00	32	---	---	16.00	32		
3	Foundation Prep	92 SF	11.500	0.087	24	SPC 43.40	1,042	---	---	---	---	---	---	---	---	11.32	1,042			
	Bckho-Ldr Ct 420C 1.0cy	92 SF	11.500	0.087	8	OP2 49.26	394	48.51	388	---	---	---	---	---	---	8.50	782			
	Trench Compactor 24"-33"	92 SF	11.500	0.087	---	---	---	21.54	172	---	---	---	---	---	---	1.87	172			
	Tank Trl Water 500 Gal	92 SF	11.500	0.087	---	---	---	16.37	131	---	---	---	---	---	---	1.42	131			
Sub Grade Prep				92.00	SF	2.875	0.348	32	44.86	1,436	7.51	691	---	---	0.347826	32	---	---	23.47	2,159
Concrete Formwork				77	SF															
No Formwork Included for Footings - Neat Trench																				
No Formwork Included for SOG																				
Formwork for Equipment Pad South Side Only																				
Curb Formwork Included																				
Fab Formwork				77	SF															
Fab SOG & Ftg Forms						77.00	SF													
Fab SOG Forms (Stick Built)						19.00														
	Fab SOG Forms	19 SF	8.000	0.125	2	SPC 43.40	103	---	---	---	---	---	---	---	---	---	5.42	103		
	Form Ply 3/4"	20.90 SF	---	---	---	---	---	---	---	1.15	24	---	---	---	---	---	1.15	24		
	Dimen. Lumber (2x4-2x10)	41.80 BF	---	---	---	---	---	---	---	0.800000	33	---	---	---	---	0.800000	33			
	Form Hardware	19 SF	---	---	---	---	---	---	---	0.300000	6	---	---	---	---	0.300000	6			
Fab Wall Form (Stick Built Gang)						58.00	SF													
Curb Formwork Included																				
2	Fab Wall Forms	58 SF	14.500	0.069	8	SPC 43.40	347	---	---	---	---	---	---	---	---	---	5.99	347		
	3/4" MDO Plywood	58 SF	---	---	---	---	---	---	---	1.15	67	---	---	---	---	---	1.15	67		
	Form Hardware	58 SF	---	---	---	---	---	---	---	0.300000	17	---	---	---	---	0.300000	17			
	Dimen. Lumber (4x4-4x8)	255.20 BF	---	---	---	---	---	---	---	0.900000	230	---	---	---	---	0.900000	230			

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SITE	Site Work	1.00
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SITE	Site Work	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
	Fab Formwork	77.00	SF	7.422	0.135	10	43.40	450	---	---	4.90	377	---	---	---	---	10.74	827
	Erect and Strip Formwork	77	SF															
	Totals Formwork					77.00	sf											
	Form Oil	77	SF	---	---	---	---	---	---	---	0.030000	2	---	---	---	---	0.030000	2
	Erect and Strip Supplies	142	SF	---	---	---	---	---	---	---	0.250000	36	---	---	---	---	0.250000	36
	Equipment Pad South Side					12.00	SF											
	Equipment Pad South Side					12.00												
	SOG & Ftgs	12	SF	2.000	0.500	6	SPC 43.40	260	---	---	---	---	---	---	---	---	21.70	260
	Active Polymer Platform Equipment Pad 4" High																	
	SOG & Ftgs	7	SF	1.000	1.000	7	SPC 43.40	304	---	---	---	---	---	---	---	---	43.40	304
	Structure Curb					58.00	SF											
	Structure Curb					58.00												
2	Walls Less than 8'	58	SF	3.625	0.276	32	SPC 43.40	1,389	---	---	---	---	---	---	---	---	23.94	1,389
	Loose Formwork																	
	Handrail Lumber 4 Bf per lf					80.00	lf											
	Utilize once Handrail is removed																	
	Dimen. Lumber (2x4-2x10)	320	BF	---	---	---	---	---	---	---	0.800000	256	---	---	---	---	0.800000	256
	Handrails	80	LF	20.000	0.050	4	SPC 43.40	174	---	---	---	---	---	---	---	---	2.17	174
	Erect and Strip Formwork	77.00	SF	1.571	0.636	49	43.40	2,127	---	---	3.82	294	---	---	---	---	31.43	2,420
	Concrete Formwork	77.00	SF	1.297	0.771	59	43.40	2,577	---	---	8.71	671	---	---	---	---	42.18	3,248
	03300 Cast In Place Concrete	21	CY															
	Concrete Materials	21.50	CY															

SITE	Site Work	1.00
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Location Chandler, AZ, USA

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Item Analysis Sheet

SITE	Site Work	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
	TOTAL CONCRETE					21.00	Cy											
	CONC BASE BID					21.00												
	Conc.4000 Psi	20.50	CY	---	---	---	---	---	---	---	---	---	128.50	2,634	---	---	128.50	2,634
	Conc.4000 Psi Waste 5%	1	CY	---	---	---	---	---	---	---	---	---	128.50	129	---	---	128.50	129
	Enviromental Fees	3	LD	---	---	---	---	---	---	---	---	---	25.00	75	---	---	25.00	75
	Fuel Surcharge	3	LD	---	---	---	---	---	---	---	---	---	15.00	45	---	---	15.00	45
	Shortload Fee	1	EA	---	---	---	---	---	---	---	---	---	200.00	200	---	---	200.00	200
	Hot Weather Concrete-Ice					0.00	CY						0.00					
	Cold Weather Concrete-Additive					0.00	CY						0.00					
	Conc. Placing Supplies	21	CY	---	---	---	---	---	---	---	0.350000	7	---	---	---	---	0.350000	7
	Concrete Materials	21.50	CY	---	---	---	---	---	---	---	0.341860	7	143.38	3,083	---	---	143.73	3,090
	Concrete Placement	21	CY															
	Total Concrete CY					21.00												
	Belt Press Polymer					21.00	CY											
	Belt Press Polymer					21.00	CY											
3	Sog & Ftgs'	19	CY	2.370	0.422	24	SPC 43.40	1,044	---	---	---	---	---	---	---	---	54.94	1,044
3	Curbs	1	CY	0.250	4.000	12	SPC 43.40	521	---	---	---	---	---	---	---	---	520.79	521
3	Polymer Platform Equip. Pad	1	CY	0.250	4.000	12	SPC 43.40	521	---	---	---	---	---	---	---	---	520.79	521
	Pumping					14.00	CY											
	Tailgate					7.00	CY											
	Concrete Pump					14.00	CY											
P	36 M 120' Boom (Hourly Charge)	6	HR	---	---	---	---	---	---	---	214.00	1,284	---	---	---	---	214.00	1,284
P	Fuel Surgarge	6	HR	---	---	---	---	---	---	---	---	---	15.00	90	---	---	15.00	90
P	36 M 120' Boom (CY Charge)	14	CY	---	---	---	---	---	---	---	3.00	42	---	---	---	---	3.00	42
	Concrete Placement	21.00	CY	0.437	2.288	48	43.40	2,085	---	---	63.14	1,326	4.29	90	---	---	166.73	3,501

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SITE	Site Work	1.00
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SITE	Site Work	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	21.00	CY	0.437	2.288	48	43.40	2,085	---	---	63.49	1,333	151.08	3,173	---	---	313.88	6,591
03251	Concrete Joints	21	CY															
	Concrete Joint Qty					279.00												
	SOG - Install Walls at Existing Containment walls and top of existing equipment pad - Refer to notes 1/4" amplitude																	
	Footing were it connects to existing exterior of containment wall																	
Joint Prep- Sandblast		279	SF															
3	Joint Prep	279	SF	17.438	0.057	48	SPC 43.40	2,083	---	---	---	---	---	---	---	---	7.47	2,083
	Comp 185 CFM Diesel	279	SF	15.000	0.067	---	---	---	20.65	384	---	---	---	---	---	---	1.38	384
	Greencut Supplies	279	SF	---	---	---	---	---	---	---	0.150000	42	---	---	---	---	0.150000	42
	Epoxy Bonding Agent	279	SF	62.250	0.016	4	SPC 43.40	195	---	---	---	---	0.500000	140	---	---	1.20	334
Joint Prep- Sandblast		279.00	SF	5.316	0.188	52	43.40	2,278	1.38	384	0.150000	42	0.500000	140	---	---	10.19	2,843
Concrete Finishes		72	SF															
	WET Finishing Supplies	72	SF	---	---	---	---	---	---	---	1.00	72	---	---	---	---	1.00	72
	Concrete Sealer	72	SF	---	---	---	---	---	---	---	---	---	4.00	288	---	---	4.00	288
2	Sealer	72	SF	18.000	0.056	8	SPC 43.40	347	---	---	---	---	---	---	---	---	4.82	347
Concrete Finishes		72.00	SF	9.000	0.111	8	43.40	347	---	---	1.00	72	4.00	288	---	---	9.82	707
03251	Concrete Joints	21.00	CY	0.347	2.880	60	43.40	2,625	18.29	384	5.42	114	20.36	428	---	---	169.06	3,550
Curing		21	CY															
Curing		1,153	SF															
	Quantities					1,153.00	SF											
	Curing Labor	1,153	SF	384.000	0.003	3	SPC 43.40	130	---	---	---	---	---	---	---	---	0.113018	130
	Water Curing Supplies	1,153	SF	---	---	---	---	---	---	---	0.100000	115	---	---	---	---	0.100000	115

SITE	Site Work	1.00
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Item Analysis Sheet

SITE	Site Work	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
	Curing	1,153.00	SF	384.000	0.003	3	43.40	130	---	---	0.100000	115	---	---	---	---	0.213018	246
	Curing	21.00	CY	6.994	0.143	3	43.40	130	---	---	5.49	115	---	---	---	---	11.70	246
	03200 Conc Reinforcement	2.10	TN															
	Rebar Sub: Supply & Install	2.10	TN															
	Rule of Thumb 200 Lbs per CY					4,200.00	Lbs											
	Rebar Subcontractor																	
	Concrete Rebar= \$1800 per TN					3,780.00	USD											
	Harris Rebar	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	4,022	---	4,022
	Rebar Sub: Supply & Install	2.10	TN	---	---	---	---	---	---	---	---	---	---	---	1,915.24	4,022	1,915.24	4,022
	Drill & Dowel Rebar	120	EA															
	Drill & Dowel Rebar																	
	#4 & #5 Dowels	120	EA	---	---	---	---	---	---	---	---	---	3.00	360	---	---	3.00	360
	Drill in Dowels up to 12 " Depth	120	EA	4.000	0.250	30	43.40	1,302	---	---	---	---	---	---	---	---	10.85	1,302
	STS Dowels incl's Epoxy, Drills, Bits Etc.	120	EA	---	---	---	---	---	---	---	9.00	1,080	---	---	---	---	9.00	1,080
	Drill & Dowel Rebar	120.00	EA	4.000	0.250	30	43.40	1,302	---	---	9.00	1,080	3.00	360	---	---	22.85	2,742
	03200 Conc Reinforcement	2.10	TN	0.070	14.286	30	43.40	1,302	---	---	514.29	1,080	171.43	360	1,915.24	4,022	3,220.94	6,764
	CONCRETE	21.00	CY	0.075	13.281	279	43.71	12,192	82.15	1,725	157.77	3,313	232.96	4,892	191.52	4,022	1,245.00	26,145
	BELT PRESS POLYMER AREA	1.00	LS	---	---	314	43.81	13,752	---	2,130	---	3,313	---	9,064	---	4,022	---	32,282
	Cleanup & Restore Site	100	%															
	Allowance	1	LS	---	---	---	---	---	---	---	---	2,500	---	---	---	---	---	2,500

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SITE	Site Work	1.00
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SITE	Site Work	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
	Cleanup & Restore Site	100.00	%	---	---	---	---	---	---	---	25.00	2,500	---	---	---	---	25.00	2,500
	SUBCONTRACT BOND	100	%															
	Sub-Contract	453,953	SC	---	---	---	---	---	---	---	0.013500	6,128	---	---	---	---	0.013500	6,128
	SUBCONTRACT BOND	100.00	%	---	---	---	---	---	---	---	61.28	6,128	---	---	---	---	61.28	6,128
	VEHICLES	100	%															
	Cars & Pickups	100	%															
	Trc Pickup 4x2	4	MO	1.000	1.000	---	---	---	19.93	13,791	---	---	---	---	---	---	3,447.63	13,791
	Trc Pickup 4x2 Ex. Cab	---	MO	1.000	1.000	---	---	---	---	---	---	---	---	---	---	---	---	---
	Truck Allowance	1	MO	---	---	---	---	---	---	---	600.00	600	---	---	---	---	600.00	600
	Cars & Pickups	100.00	%	---	---	---	---	---	137.91	13,791	6.00	600	---	---	---	---	143.91	14,391
	VEHICLES	100.00	%	---	---	---	---	---	137.91	13,791	6.00	600	---	---	---	---	143.91	14,391
	EQUIPMENT	100	%															
	Backhoe / Buffalo	100	%															
	Span through Project Duration																	
	Forklift, RT 8000# Reach	1	MO	1.000	1.000	---	---	---	63.12	10,920	---	---	---	---	---	---	10,919.52	10,920
	Tank Trl Water 500 Gal	1	MO	1.000	1.000	---	---	---	16.37	2,831	---	---	---	---	---	---	2,831.15	2,831
	Backhoe / Buffalo	100.00	%	---	---	---	---	---	137.51	13,751	---	---	---	---	---	---	137.51	13,751
	EQUIPMENT	100.00	%	---	---	---	---	---	137.51	13,751	---	---	---	---	---	---	137.51	13,751
	Quality Control STS	100	%															
	Quality Control Sub / Special Inspections	1	EA	---	---	---	---	---	---	---	---	---	---	---	7,000.00	7,000	7,000.00	7,000

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SITE	Site Work	1.00
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BE Number BE210846
Opportunity No
Owner File No
Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

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Item Analysis Sheet

SITE	Site Work	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
Quality Control STS		100.00	%	---	---	---	---	---	---	---	---	---	---	70.00	7,000	70.00	7,000	
Office STS		100	%															
	Computer Equipment per Ea	10	MO	---	---	---	---	---	---	150.00	1,500	---	---	---	---	150.00	1,500	
	Hot Spot	5	MO	---	---	---	---	---	---	70.00	350	---	---	---	---	70.00	350	
Office STS		100.00	%	---	---	---	---	---	---	18.50	1,850	---	---	---	---	18.50	1,850	
First Aid & Safety STS		100	%															
	Medical/Drug Testing	---	EA	---	---	---	---	---	---	75.00	---	---	---	---	---	---	---	
	*** Estimate for local requirements																	
	Training & Orientation	---	EA	---	---	---	---	---	---	35.00	---	---	---	---	---	---	---	
	*** Estimate for local requirements																	
	F.A. & Safety Supplies	3,111	MH	---	---	---	---	---	---	0.120000	373	---	---	---	---	0.120000	373	
	*** Allow 0.120 per Total Man Hours																	
	Fire Protection	3,111	MH	---	---	---	---	---	---	0.070000	218	---	---	---	---	0.070000	218	
	*** Allow 0.07 per Total Man Hours																	
	Mercy Flights					0.00	EA					0.00						
	Casualty Carrier					0.00	MO		1.000								0.00	
	Ambulance					0.00	MO		1.000								0.00	
	Water Coolers	---	EA	---	---	---	---	---	---	50.00	---	---	---	---	---	---	---	
	Drinking Water & Ice	6	MO	---	---	---	---	---	---	150.00	900	---	---	---	---	150.00	900	
	Air Monitors	6	MO	1.000	1.000	---	---	---	0.9263	961	---	---	---	---	---	160.25	961	
	Rescue Tripod w/yo yo	---	MO	1.000	1.000	---	---	---	---	---	---	---	---	---	---	---	---	
	Yo Yo Winch	---	MO	1.000	1.000	---	---	---	---	---	---	---	---	---	---	---	---	
First Aid & Safety STS		100.00	%	---	---	---	---	---	9.61	961	14.91	1,491	---	---	---	---	24.52	2,452
SMALL Tools-Expendables		100	%															
* =====																		

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SITE	Site Work	1.00
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BE Number BE210846

Opportunity No

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Location Chandler, AZ, USA

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SITE	Site Work	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
	Rate charged on TOTAL LABOR MAN HOURS. Estimator to apply appropriate rates for project type. *****																	
	Small Tool Assess	3,111	MH	---	---	---	---	---	---	---	1.00	3,111	---	---	---	---	1.00	3,111
	Expendables Assess	3,111	MH	---	---	---	---	---	---	---	0.700000	2,177	---	---	---	---	0.700000	2,177
	SMALL Tools-Expendables	100.00	%	---	---	---	---	---	---	---	52.88	5,288	---	---	---	---	52.88	5,288
	Repair Labor	100	%															
	Mechanical Labor Feeler		MMH															
	Mechanic Allowance	1	LS	---	---	---	---	---	---	---	---	500	---	---	---	---	---	500
	Repair Labor	100.00	%	---	---	---	---	---	---	---	5.00	500	---	---	---	---	5.00	500
	Repair-Service Operate	100	%															
	Shop Tools/Equip	1,605	TR	---	---	---	---	---	---	---	0.014700	24	---	---	---	---	0.014700	24
	*** Direct Rep Cost x 1.47%																	
	Shop Supplies	1,605	TR	---	---	---	---	---	---	---	0.018100	29	---	---	---	---	0.018100	29
	*** Direct Rep Cost x 1.81%																	
	Welding Supplies	1,605	TR	---	---	---	---	---	---	---	0.007200	12	---	---	---	---	0.007200	12
	*** Direct Rep Cost x 0.72%																	
	Repair-Service Operate	100.00	%	---	---	---	---	---	---	---	0.641968	64	---	---	---	---	0.641968	64
	OUTSIDE RENT ADJUSTMENT	100	%															

	Allowance for lost time vs Invoice Monthly Charges																	

	Standby Rental Allowance		OE\$			O	0.040											
	*** Other Rent x 4.0%																	

SITE	Site Work	1.00
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Project	5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location	Chandler, AZ, USA

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Item Analysis Sheet

SITE	Site Work	1.00	LS
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Proprietary and Confidential

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SITE	Site Work	1.00
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BE Number BE210846
Opportunity No
Owner File No
Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

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Item Analysis Sheet

ARCH	Architectural	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
CLS POLYMER AREA		1	LS														
13 34 19 Metal Building		1	LS														
Both CLS & Belt Press Buildings																	
To Include 07 60 00 Flashing & Sheet Metal																	
To Include 07 90 00 Joint Fillers, Sealants & Caulking																	
Building to come Pre-Finished																	
Added \$5,800 for Adder due to 30 DY Proposal Waiver if material not released by 5/31/2021																	
Arizona Corporate Builders		1	LS	---	---	---	---	---	---	---	---	---	---	---	182,982	---	182,982
13 34 19 Metal Building		1.00	LS	---	---	---	---	---	---	---	---	---	---	---	182,982	---	182,982
08 11 13 - Steel Doors & Frames		2	EA														
To Include 08 71 00 Finish Hardware																	
Doors (100 & 100B) - 3' x 7'-2"																	
Hollow Metal Door / Paint Finish																	
Arizona Corporate Builders		2	EA	---	---	---	---	---	---	---	---	3,934.33	7,869	---	---	3,934.33	7,869
08 11 13 - Steel Doors & Frames		2.00	EA	---	---	---	---	---	---	---	---	3,934.33	7,869	---	---	3,934.33	7,869
08 33 23 Roll-Up OH Doors		1	EA														
OH Door (100A) - 14' x 14'																	
Prefinished Insulated OH Door, Motorized																	
Arizona Corporate Builders		1	EA	---	---	---	---	---	---	---	---	12,468.00	12,468	---	---	12,468.00	12,468
08 33 23 Roll-Up OH Doors		1.00	EA	---	---	---	---	---	---	---	---	12,468.00	12,468	---	---	12,468.00	12,468
Concrete Splash Block		1	EA														

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ARCH	Architectural	1.00
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Location Chandler, AZ, USA

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ARCH	Architectural	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
	Pre-Cast Splash Block	1	EA	---	---	---	---	---	---	---	---	---	150.00	150	---	---	150.00	150
	Concrete Splash Block	1.00	EA	---	---	---	---	---	---	---	---	---	150.00	150	---	---	150.00	150
	Fire Extinguishers	2	EA															
	Dry Chemical (DC) Fire Extinguishers Surface Mounted Cabinet # 4 Finish 304 SST, Dual Vertical Door with 1/8" Thick DSA Glass Size Affordable Fire Proposal																	
	Fire Extinguishers	2	EA	---	---	---	---	---	---	---	---	---	89.00	178	---	---	89.00	178
	Cabinet	2	EA	---	---	---	---	---	---	---	---	---	225.00	450	---	---	225.00	450
	2 Install	2	HR	1.000	1.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	86.80	174
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	25	---	---	---	25
	Fire Extinguishers	2.00	EA	0.500	2.000	4	43.40	174	---	---	---	---	326.50	653	---	---	413.30	827
	First Aid Cabinets	1	EA															
	Did not see first aid cabinets in drawings, specs call for them and install per directed location by engineer Assuming 1 EA																	
	First Aid Cabinets	1	EA	---	---	---	---	---	---	---	---	---	150.00	150	---	---	150.00	150
	2 Install	1	HR	1.000	1.000	2	SPC 43.40	87	---	---	---	---	---	---	---	---	86.80	87
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	25	---	---	---	25
	First Aid Cabinets	1.00	EA	0.500	2.000	2	43.40	87	---	---	---	---	175.00	175	---	---	261.80	262
	CLS POLYMER AREA	1.00	LS	---	---	6	43.40	260	---	---	---	---	---	21,315	---	182,982	---	204,557
	BELT PRESS POLYMER AREA	1	LS															
	13 34 19 Metal Building	1	LS															
	To Include 07 60 00 Flashing & Sheet Metal To Include 07 90 00 Joint Fillers, Sealants & Caulking To include Louvers per 08 90 00																	

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ARCH	Architectural	1.00
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BE Number BE210846
Opportunity No
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Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

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Item Analysis Sheet

ARCH	Architectural	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
	Building to Come Pre-Finished																	
	Cost for Belt Press Polymer Bldg. Included above in CLS Section																	
	Pre-Engineered Bldg.					504.00	SF								100.00			
13 34 19	Metal Building	1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
08 11 13	Steel Doors & Frames	1	EA															
	To Include 08 71 00 Finish Hardware																	
	Door 200 (3'-0" x 7'-2")																	
	Hollow Metal Door / Paint Finish																	
	To include 07 90 00 Door Sealants (Type 2 or 3)																	
	Arizona Corporate Builders	1	EA	---	---	---	---	---	---	---	---	---	3,934.00	3,934	---	---	3,934.00	3,934
08 11 13	Steel Doors & Frames	1.00	EA	---	---	---	---	---	---	---	---	---	3,934.00	3,934	---	---	3,934.00	3,934
08 33 23	Roll-Up OH Doors	1	EA															
	OH Door (200A) - 16' x 14'																	
	To include 07 90 00 Door Sealants (Type 2 or 3)																	
	Prefinished Insulated OH Door, Motorized																	
	Arizona Corporate Builders	1	EA	---	---	---	---	---	---	---	---	---	12,468.00	12,468	---	---	12,468.00	12,468
08 33 23	Roll-Up OH Doors	1.00	EA	---	---	---	---	---	---	---	---	---	12,468.00	12,468	---	---	12,468.00	12,468
	Re-Routing Down Spout	1	LS															
	Remove Section of Down Spout and Re-Route																	
	Cut section of existing split face CMU Wall to set Down Spout Flush																	
	Additional Down Spout Materials	1	LS	---	---	---	---	---	---	---	---	---	---	300	---	---	---	300
2	Cut CMU Split Face	1	HR	1.000	1.000	2	SPC 43.40	87	---	---	---	---	---	---	---	---	86.80	87
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	50	---	---	---	50
	Re-Routing Down Spout																	
2	Re-Route	4	HR	1.000	1.000	8	SPC 43.40	347	---	---	---	---	---	---	---	---	86.80	347

U01 STANDARD-LANDSCAPE-MASTER.RPT

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ARCH	Architectural	1.00
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Location Chandler, AZ, USA

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Item Analysis Sheet

ARCH	Architectural	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
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	50	---	---	---	50
	Ldr Manlift 4WD 40'	8	HR	1.000	1.000	---	---	---	33.03	264	---	---	---	---	---	---	33.03	264
	Re-Routing Down Spout	1.00	LS	---	---	10	43.40	434	---	264	---	---	---	400	---	---	---	1,098
	Concrete Splash Block	3	EA															
	Pre-Cast Splash Block	3	EA	---	---	---	---	---	---	---	---	---	150.00	450	---	---	150.00	450
	Concrete Splash Block	3.00	EA	---	---	---	---	---	---	---	---	---	150.00	450	---	---	150.00	450
	Fire Extinguishers	1	EA															
	Dry Chemical (DC) Fire Extinguishers Surface Mounted Cabinet # 4 Finish 304 SST, Dual Vertical Door with 1/8" Thick DSA Glass Size																	
	Fire Extinguisher	1	EA	---	---	---	---	---	---	---	---	---	89.00	89	---	---	89.00	89
	Cabinet	1	EA	---	---	---	---	---	---	---	---	---	225.00	225	---	---	225.00	225
	2 Install	1	HR	0.500	2.000	4 ^{SPC}	43.40	174	---	---	---	---	---	---	---	---	173.60	174
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	25	---	---	---	25
	Fire Extinguishers	1.00	EA	0.250	4.000	4	43.40	174	---	---	---	---	339.00	339	---	---	512.60	513
	First Aid Cabinets	1	EA															
	Did not see first aid cabinets in drawings, specs call for them and install per directed location by engineer Assuming 1 EA																	
	First Aid Cabinets	1	EA	---	---	---	---	---	---	---	---	---	150.00	150	---	---	150.00	150
	2 Install	1	HR	1.000	1.000	2 ^{SPC}	43.40	87	---	---	---	---	---	---	---	---	86.80	87
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	25	---	---	---	25
	First Aid Cabinets	1.00	EA	0.500	2.000	2	43.40	87	---	---	---	---	175.00	175	---	---	261.80	262

U01 STANDARD-LANDSCAPE-MASTER.RPT

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ARCH	Architectural	1.00
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Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

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Item Analysis Sheet

ARCH	Architectural	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
	BELT PRESS POLYMER AREA	1.00	LS	---	---	16	43.40	694	---	264	---	---	---	17,766	---	---	---	18,725
	09 90 00 Painting	1	LS															
	Exposed Pipe Painting																	
	Bldg. Penetration Touch Up																	
	Steel Doors / Frame																	
	Concrete Coatings																	
	Structural Steel for Pre-Engineered Bldg.																	
	Painting Subcontractor (PPS)	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	18,896	---	18,896
	09 90 00 Painting	1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	18,896	---	18,896
	Architectural	1.00	LS	---	---	22	43.40	955	---	264	---	---	---	39,081	---	201,878	---	242,178



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EQP	Equipment	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
CLS Polymer Area		1	LS															
11 10 00 Polymer Tote Storage System		1	LS															
Pallet Rack Unit Load Capacity = 2,500lbs (Must support one 2,300lb polymer totes on second tier)																		
Assembly Dimensions 48"d, 96"h, 60"w																		
Upright frames - Steel columns and bracing / Abrasion Resistant Finish																		
Step beams - Steel Construction / Abrasion Resistant Finish / 60"W, 3-1/2-6"h																		
Wire Decking: 48"d x 58" W (Holds 2,500 lbs evenly)																		
Upright Frames																		
Part No. UFL18 (96 x 48) - Capacity in LBS = 16,000																		
UNIRAK Storage System		1	LS	---	---	---	---	---	---	---	---	---	4,000	---	---	---	---	4,000
3	Storage System Install	8	HR	1.000	1.000	24	SPC 43.40	1,042	---	---	---	---	---	---	---	---	130.20	1,042
STS		1	LS	---	---	---	---	---	---	---	---	---	500	---	---	---	---	500
UFL 18 (96 x 48)						4.00	EA					300.00						
Beams																		
SB350 (48")						4.00	EA					100.00						
SB518 (96")						4.00	EA					200.00						
Wire Decking (48 x 58)																		
Wire Deck						1.00	EA					300.00						
Accessoires																		
Anchors (1/2" x 3.75")						16.00	EA					4.00						
Shims (3.25" x 4.5" x 1/8")						4.00	EA					25.00						
UA201 - 12" Row Spacer						6.00	EA					25.00						
UA206 42" Cross Bar						8.00	EA					50.00						
8" x 8" by 3/8" Base Plates						4.00	EA					40.00						
Capacity Labels (Adhesive)						2.00	EA					20.00						
Tote Stand		1	LS															
Intermediate Bulk Container (IBC) stand for the CLS Polymer Bldg. shall be a custom IBC Tote Stand from Denios, Inc.																		
Allen Hughes (502-727-0339)																		
Tote Stands		2	EA	---	---	---	---	---	---	---	---	5,550.00	11,100	---	---	5,550.00	11,100	

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EQP	Equipment	1.00
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EQP	Equipment	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
2	Installation	4	HR	1.000	1.000	8	SPC 43.40	347	---	---	---	---	---	---	---	---	86.80	347
	Forklift, RT 8000# Reach	2	HR	1.000	1.000	2	OP2 49.26	99	63.12	126	---	---	---	---	---	---	112.38	225
Tote Stand		1.00	LS	---	---	10	44.57	446	---	126	---	---	---	11,100	---	---	---	11,672
11 10 00 Polymer Tote Storage Syste		1.00	LS	---	---	34	43.74	1,487	---	126	---	---	---	15,600	---	---	---	17,214
11 10 10 IBC Tote Scale		1	EA															
	Include 11 10 10 IBC Tote Scale																	
	Tote Scale (Mettler-Toledo, LLC)	1	EA	---	---	---	---	---	---	---	---	---	10,533.00	10,533	---	---	10,533.00	10,533
	Optima Procurement - 8 Weeks due to parts / SST Needs																	
	Integration / Test Rates Local Rep	1	LS	---	---	---	---	---	---	---	---	---	---	1,000	---	---	---	1,000
	Calibration Onsite Test (2,500lbs)	1	EA	---	---	---	---	---	---	---	---	---	2,000.00	2,000	---	---	2,000.00	2,000
	Equivalent to mettler 2.06 E (Load Cell)/ Seals will be welded																	
2	Install	1	EA	0.500	2.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	173.60	174
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	100	---	---	---	100
11 10 10 IBC Tote Scale		1.00	EA	0.250	4.000	4	43.40	174	---	---	---	---	13,633.00	13,633	---	---	13,806.60	13,807
Re-locate Sump Pump		1	EA															
	Relocate to Existing Concrete Pedestel																	
	Utilize Exsiting Wall Bracket Support																	
2	Sump Pump Relocation	1	EA	0.500	2.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	173.60	174
	Anchor	4	EA	2.000	0.500	2	SPC 43.40	87	---	---	---	---	3.00	12	---	---	24.70	99
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	100	---	---	---	100
Re-locate Sump Pump		1.00	EA	0.167	6.000	6	43.40	260	---	---	---	---	112.00	112	---	---	372.39	372
CLS Polymer Area		1.00	LS	---	---	44	43.67	1,921	---	126	---	---	---	29,345	---	---	---	31,393

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EQP	Equipment	1.00
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Location Chandler, AZ, USA

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Item Analysis Sheet

EQP	Equipment	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
	Belt Press Polymer Building	1	LS															
	11 10 00 Polymer Tote Storage System	1	LS															
	Include 11 10 10 IBC Tote Scale																	
	IBC Tote Stand	1	LS															
	IBC Tote Storage Rack and Spill Containment Combination from Denios, Inc.																	
	Allen Hughes - 502-727-0339																	
	Tote Stand	1	EA	---	---	---	---	---	---	---	---	---	5,400.00	5,400	---	---	5,400.00	5,400
2	Installation	1	HR	0.500	2.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	173.60	174
	Forklift, RT 8000# Reach	2	HR	1.000	1.000	2	OP2 49.26	99	63.12	126	---	---	---	---	---	---	112.38	225
	Anchors	10	EA	4.000	0.250	3	SPC 43.40	108	---	---	---	---	4.00	40	---	---	14.85	148
	IBC Tote Stand	1.00	LS	---	---	9	44.78	381	---	126	---	---	---	5,440	---	---	---	5,947
	11 10 00 Polymer Tote Storage Syste	1.00	LS	---	---	9	44.78	381	---	126	---	---	---	5,440	---	---	---	5,947
	Belt Press Polymer Building	1.00	LS	---	---	9	44.78	381	---	126	---	---	---	5,440	---	---	---	5,947
	Equipment	1.00	LS	---	---	53	43.85	2,302	---	252	---	---	---	34,785	---	---	---	37,339

EQP	Equipment	1.00
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PLUM	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
	CLS / BELT PRESS PIPING	1	LS															
	Exposed Pipe	1	LS															
	Purchase Pipe Materials (Exposed)	1	LS															
	Exposed Pipe Materials	1	LS															
	Purchase Pipe Materials (ALB)	1	LS	---	---	---	---	---	---	---	---	---	---	5,656	---	---	---	5,656
	Purchase Exposed HDPE (CLS)																	
	Purchase Exposed HDEP (Belt Press)																	
	EWS & Piping Both CLS / Belt Press																	
	Unload & Store Pipe Materials																	
	Forklift, RT 8000# Reach	2	HR	1.000	1.000	2	OP2 49.26	99	63.12	126	---	---	---	---	---	---	112.38	225
	Yard Pipe Crew	2	HR	1.000	1.000	2	SPC 43.40	87	---	---	---	---	---	---	---	---	43.40	87
	Exposed Pipe Materials	1.00	LS	---	---	4	46.33	185	---	126	---	---	---	5,656	---	---	---	5,968
	Temporary Pipe Materials	1	LS															
	STS - Installation (Exposed)	1	LS	---	---	---	---	---	---	---	---	100	---	---	---	---	---	100
	STS - Rigging (Exposed)	1	LS	---	---	---	---	---	---	---	---	50	---	---	---	---	---	50
	STS - Testing (Exposed)	1	LS	---	---	---	---	---	---	---	---	200	---	---	---	---	---	200
	Temporary Pipe Materials	1.00	LS	---	---	---	---	---	---	---	---	350	---	---	---	---	---	350
	Temp Piping Service Air	1	LS															
	Service Air line potentially in conflict with new footing for CLS Building on North Side. Will not know if this is the case until Potholing / investigation is completed.																	
	Removal / Modifications																	
	3 Removal of Existing Service Air	8	HR	1.000	1.000	24	SPC 43.40	1,042	---	---	---	---	---	---	---	---	130.20	1,042
	Bckho-Ldr Ct 420C 1.0cy	8	HR	1.000	1.000	8	OP2 49.26	394	48.51	388	---	---	---	---	---	---	97.77	782

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PLUM	Plumbing	1.00
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Item Analysis Sheet

PLUM	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
	Tank Trl Water 500 Gal	8	HR	1.000	1.000	---	---	---	16.37	131	---	---	---	---	---	---	16.37	131
	Temp Piping (Run Exposed)					1.00	LS											
3	Temp Service Air Piping	8	HR	1.000	1.000	24	SPC 43.40	1,042	---	---	---	---	---	---	---	---	130.20	1,042
	Temp Pipe Materials	1	LS	---	---	---	---	---	---	---	---	---	---	500	---	---	---	500
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	200	---	---	---	200
	Temp Piping Service Air	1.00	LS	---	---	56	44.24	2,477	---	519	---	---	---	700	---	---	---	3,696
	Purchase Pipe Materials (Exposed)	1.00	LS	---	---	60	44.38	2,663	---	645	---	350	---	6,356	---	---	---	10,014
	Install Piping (Exposed)	1	LS															
	Direct Manhours	1	LS															
	CLS Bldg					113.00	MHR											
	Belt Press Bldg					104.00	mhr											
	Process Pipe Install	217	HR	1.000	1.000	217	SPC 43.40	9,418	---	---	---	---	---	---	---	---	43.40	9,418
	Direct Manhours	1.00	LS	---	---	217	43.40	9,418	---	---	---	---	---	---	---	---	---	9,418
	Pipe Testing	1	LS															
2	Test Pipe Crew	4	EA	0.125	8.000	64	SPC 43.40	2,778	---	---	---	---	---	---	---	---	694.38	2,778
	Comp 185 CFM Diesel	4	EA	0.125	8.000	---	---	---	20.65	661	---	---	---	---	---	---	165.18	661
	Pipe Testing	1.00	LS	---	---	64	43.40	2,778	---	661	---	---	---	---	---	---	---	3,438
	Equipment	1	LS															
	Scissor Lift - 26' Electric					1.00	LS											
	Belt Press EWS Piping					16.00	hr											

U01 STANDARD LANDSCAPE MASTER.RPT

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PLUM	Plumbing	1.00
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Item Analysis Sheet

PLUM	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
	Total Hours					16.00	hr											
2	Scissor Lift - 26' Electric	16	HR	1.000	1.000	---	---	---	9.53	305	---	---	---	---	---	---	19.06	305
	=R85C					0.00		0	0.000									
	Equipment	1.00	LS	---	---	---	---	---	---	305	---	---	---	---	---	---	---	305
	Install Piping (Exposed)	1.00	LS	---	---	281	43.40	12,195	---	966	---	---	---	---	---	---	---	13,161
	Pipe Disinfection	1	LS															
	Pipe Disinfection	1	LS															
	Both CLS & Belt Press EWS																	
	Eyewash Stations					160.00	lf											
	Disinfect	8	HR	1.000	1.000	8	SPC 43.40	347	---	---	---	---	---	---	---	---	43.40	347
	Materials	1	LS	---	---	---	---	---	---	---	---	---	---	200	---	---	---	200
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	150	---	---	---	150
	Pipe Disinfection	1.00	LS	---	---	8	43.40	347	---	---	---	---	---	350	---	---	---	697
	Pipe Supports	1	LS															
	CLS Building					1.00	LS											
	SST Uni-Strut / Clamps	1	LS	---	---	---	---	---	---	---	---	---	---	2,000	---	---	---	2,000
	2" Feric Drain Sump Drain Line					4.00	LF											
	316SST Strut					4.00	LF						16.52					
	2" Pipe Clamps					4.00	EA						6.59					
	Anchors					8.00	EA						4.00					
2	Install	4	EA	3.170	0.315	3	SPC 43.40	110	---	---	---	---	---	---	---	---	27.38	110
	2" CLS Drain Line					12.00	LF											

U01 STANDARD LANDSCAPE MASTER.RPT

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PLUM	Plumbing
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1.00



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Item Analysis Sheet

PLUM 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
2	316 SST Strut	6	EA	3.170	0.315	12	.00 EA						16.52					
	2" Pipe Clamps					12	.00 EA						6.59					
	Anchors					48	.00 EA						4.00					
	Install					4	SPC 43.40	164	---	---	---	---	---	---	---	---	27.38	164
2	1" Polymer Dosing Line	6	EA	3.170	0.315	6	.00 LF											
	316 SST Strut					6	.00 EA						16.52					
	1" Pipe Clamps					6	.00 EA						4.96					
	Anchors					12	.00 EA						4.00					
2	2" Service Line	6	EA	3.170	0.315	6	.00 LF											
	316 SST Strut					6	.00 EA						16.52					
	2" Pipe Clamps					6	.00 EA						6.59					
	Anchors					12	.00 EA						4.00					
2	Strut Install	20	EA	2.500	0.400	4	SPC 43.40	164	---	---	---	---	---	---	---	---	27.38	164
	Belt Press Building					1	.00 LS											
	SST Uni Strut Clamps / Pipe Hangers																	
	EWS (Both CLS / Belt Press)					1	.00 LS											
2	316 SST Strut	20	EA	2.500	0.400	20	.00 LF						14.04					
	2" Pipe Clamps					20	.00 EA						6.59					
	Bolts to connect to Bldg					40	.00 EA						4.00					
	Pipe Hangers / Clamps					16	.00 EA						22.58					
2	Hanger Install	16	EA	2.500	0.400	13	SPC 43.40	556	---	---	---	---	---	---	---	---	34.72	556
	Scissor Lift - 26' Electric	16	HR	1.000	1.000	---	---	---	9.53	152	---	---	---	---	---	---	9.53	152
2	Air Piping	6	EA	3.170	0.315	6	.00 LF											
	316 SST Strut					6	.00 EA						16.52					
	2" Pipe Clamps					6	.00 EA						6.59					
	Anchors					12	.00 EA						4.00					
2	Install	6	EA	3.170	0.315	4	SPC 43.40	164	---	---	---	---	---	---	---	---	27.38	164

U01 STANDARD-LANDSCAPE-MASTER.RPT

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PLUM Plumbing**1.00**



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Item Analysis Sheet

PLUM	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
	Polymer Piping					8.00	LF											
	316 SST Strut					8.00	EA						16.52					
	2" Pipe Clamps					8.00	EA						6.59					
	Anchors					16.00	EA						4.00					
2	Install	8	EA	3.170	0.315	5	SPC 43.40	219	---	---	---	---	---	---	---	---	27.38	219
	Pipe Supports	1.00	LS	---	---	52	43.40	2,236	---	152	---	---	---	2,000	---	---	---	4,388
	Pipe Disinfection	1.00	LS	---	---	60	43.40	2,583	---	152	---	---	---	2,350	---	---	---	5,085
	Exposed Pipe	1.00	LS	---	---	401	43.55	17,440	---	1,763	---	350	---	8,706	---	---	---	28,260
	Building Penetrations	1	LS															
	Pipe Penetrations into new Pre-Engineered Buildings - Pre-Determined prior to fabrication (Coordinate with Bldg. Sub)																	
	Coordinate with HVAC / Fire Subcontractors on Bldg. Penetrations																	
	Epoxed Piping Penetrations																	
	Does not include Fire / Electrical																	
	07 90 00 - Sealant for Metal Bldg. Penetrations (Type 3 - Omni Seal by BASF)																	
	07 90 00 - Sealant for CMU Bldg. Penetrations (Type 2 - Single Component Sikaflex 1 A)																	
	Waterproofing																	
	3 MFirestopping sealan																	
	CLS					7.00	EA											
	Belt Press					6.00	EA											
	CMU Penetrations					5.00	EA											
	3M Fire Stopping Sealant	3	EA	---	---	---	---	---	---	---	---	---	9.82	29	---	---	9.82	29
	Sikafelx 1 A	1	BOX	---	---	---	---	---	---	---	---	---	119.25	119	---	---	119.25	119
2	Installation	5	EA	2.000	0.500	5	SPC 43.40	217	---	---	---	---	---	---	---	---	43.40	217
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	100	---	---	---	100
	Metal Bldg Penetrations					8.00	EA											
	3M Fire Stopping Sealant	5	EA	---	---	---	---	---	---	---	---	---	9.82	49	---	---	9.82	49
	Pecora 890 Water Proof Sealant	5	EA	---	---	---	---	---	---	---	---	---	16.00	80	---	---	16.00	80
2	Installation	8	EA	2.000	0.500	8	SPC 43.40	347	---	---	---	---	---	---	---	---	43.40	347

PLUM	Plumbing	1.00
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PLUM	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
	STS	1	LS	---	---	---	---	---	---	---	---	---	---	100	---	---	---	100
	Building Penetrations	1.00	LS	---	---	13	43.40	564	---	---	---	---	---	478	---	---	---	1,042
	CLS / BELT PRESS PIPING	1.00	LS	---	---	414	43.54	18,005	---	1,763	---	350	---	9,184	---	---	---	29,302
	Plumbing	1.00	LS	---	---	414	43.54	18,005	---	1,763	---	350	---	9,184	---	---	---	29,302



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Item Analysis Sheet

HVAC	HVAC	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
HVAC	CLS Bldg. POL-AHU-1 Air Handling Unit POL-CU-1 - Air Cooled Condensing Unit Belt Press Bldg. CB-AHU-2 Air Handling Unit CB-CU-1 - Air Cooled Condensation Unit Condensate Drain Line to be installed by HVAC Sub (Includes Excavate / Backfill) PCL to pick up French Drains per Plans PCL to assist with HVAC (Forklift)	1	LS															
	HVAC (Comfort Systems)	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	48,843	---	48,843
HVAC		1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	48,843	---	48,843
CLS Polymer Area		1	LS															
French Drain	Install French Drain for Condensate Line per Discussions with HVAC Contractors	1	EA															
	Pipe Materials						1.00	LS										
	24" DIA Corrugated Perf. Pipe (ALB)	1	LS	---	---	---	---	---	---	---	---	---	---	500	---	---	---	500
	Iron Ring & Cover						1.00	EA										
	Us Foundry #USF-7622 CI Ring & Cover 12" DIA																	
	Ring & Cover	1	EA	---	---	---	---	---	---	---	---	---	250.00	250	---	---	250.00	250
	Earthwork						1.00	LS										
	Pea Gravel	4	EA	---	---	---	---	---	---	---	---	---	20.00	80	---	---	20.00	80
2	Hand Dig	0.50	CY	0.250	4.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	347.19	174
2	Pipe & Pea Gravel Install	2	LF	1.000	1.000	4	SPC 43.40	174	---	---	---	---	---	---	---	---	86.80	174
French Drain		1.00	EA	0.125	8.000	8	43.40	347	---	---	---	---	830.00	830	---	---	1,177.19	1,177

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HVAC	HVAC	1.00
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HVAC	HVAC	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
	CLS Polymer Area	1.00	LS	---	---	8	43.40	347	---	---	---	---	---	830	---	---	---	1,177
	Belt Press Polymer Building	1	LS															
	French Drain	1	EA															
	Install French Drain for Condensate Line per Discussions with HVAC Contractors																	
	Pipe Materials						1.00	LS										
	Pipe Covered above																	
	24" DIA Corrigated Perf. Pipe						1.00	LS					20.00					
	Iron Ring & Cover						1.00	EA										
	Us Foundry #USF-7622 CI Ring & Cover 12" DIA																	
	Ring & Cover (ALB)	1	EA	---	---	---	---	---	---	---	---	---	250.00	250	---	---	250.00	250
	Earthwork						1.00	LS										
	Pea Gravel						2.00	EA					20.00					
2	Hand Dig	0.50	CY	0.250	4.000	4 ^{SPC}	43.40	174	---	---	---	---	---	---	---	---	347.19	174
2	Pipe & Pea Gravel Install	2	LF	1.000	1.000	4 ^{SPC}	43.40	174	---	---	---	---	---	---	---	---	86.80	174
	French Drain	1.00	EA	0.125	8.000	8	43.40	347	---	---	---	---	250.00	250	---	---	597.19	597
	Belt Press Polymer Building	1.00	LS	---	---	8	43.40	347	---	---	---	---	---	250	---	---	---	597
	HVAC	1.00	LS	---	---	16	43.40	694	---	---	---	---	---	1,080	---	48,843	---	50,617



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Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

Item Analysis Sheet

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FIRE	Fire Protection	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
	21 05 00 Floor Drain Relocation included CLS Bldg - By Electrician: Wire new Water Flow Switch and to Existing Electric Bell Installation of new Horn Strobes on the interior & Exterior. Connections to existing fire alarm control panel, design, permit, final inspections, and engineering for monitoring new wet fire sprinkler riser and devices																	
	Western States Fire Protection Co.	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	44,900	---	44,900
Fire Protection		1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	44,900	---	44,900



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Item Analysis Sheet

ELEC	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 Demo (CLS Polymer Area) D01 Note 1: Existing Conduits & Control Panels to be protected in place during construction Note 2: Remove/Re-locate and protect in place electrical ground test wells as shown in Detail D Note 3: Remove & Salvage Light Pole. Demolish light pole concrete Base and light electrical back to source Light Pole Base concrete demo covered in DIV 2 by PCL Note 4: Relocated convenience electrical receptacle on canopy post to new unistrut stuppbert, installed on the canopy concrete support column. Unistrut will need to support the existing OH conduit run feeding receptacle Note 5: Coordinate relocating existing conduit on south containment curb to inside the new building Note 6: Contractor to reposition / rotate the tote weigh scale panel (WE154-1-60A) and junction box (polymer STOR. / Feed Control J-Box) inside of the new polymer building. Both panel reads need to be facing inside of the building Electrical Demo (Belt Press Polymer Area) D02 Note 1: Intercept existing conduit below grade and install traffic rated cutter Note 2: Replace existing ground testing with with traffic rated variant Note 3: Remove Light Pole, electrical back to source Belt Press Polymer Demo - 2 Section "B" most of this electrical material has been removed and not to be included in cost Belt Press Polymer Demo - 2 Section "B" Light Pole already removed and not to be included in cost																	
	Rural Electric	1	LS	---	---	---	---	---	---	---	---	---	---	---	---	125,742	---	125,742
	If lightening Protection is not required deduct \$13,603.00 No Arc Flash Study indicated in Specifications - If required an adder of \$3,135.00 will be required																	
	Electrical	1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	125,742	---	125,742



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GE 1	GENERAL EXPENSE	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
	SCHEDULE : ----- SPECIFIED SCHEDULE = ____ CALENDER DAYS = ____ MONTHS = ____ WEEKS CONTRACT AWARD DATE: _____ START DATE: _____, 20__ COMPLETION DATE: _____, 20__ JOB DURATION = ____ MOS/WKS																	
GENERAL EXPENSE		1.00	LS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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Item Analysis Sheet

GE 3 F1 MOBILIZE & DEMOBILIZE 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
	=====																	
	USE THIS SECTION FOR BID ITEM IF BID HAS MOBILIZATION ITEM																	
	=====																	
F1 MOBILIZE & DEMOBILIZE		100.00	%	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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Project **5471209 COC WWW JOC # 2 OBRF Polymer & HCL**

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

[illegible]



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Item Analysis Sheet

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

[illegible]

GE 7	F5 DISMAN & RESTORE SITE	100.00
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Item Analysis Sheet

GE 8	F6 BOND	100.00	%
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Proprietary and Confidential

[illegible]

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
	Oper Office Bldg	100	%															
	Size & Furnshing by PCL																	
	Trailr Office 12'x60'	6	MO	1.000	1.000	---	---	---	6.03	6,256	---	---	---	---	---	---	1,042.65	6,256
	Oper Office Bldg	100.00	%	---	---	---	---	---	62.56	6,256	---	---	---	---	---	---	62.56	6,256
	Oper Trailers & Vans	100	%															
	Tcon Tool 8'x40' - C	6	MO	1.000	1.000	---	---	---	0.5683	590	---	---	---	---	---	---	98.31	590
	Oper Trailers & Vans	100.00	%	---	---	---	---	---	5.90	590	---	---	---	---	---	---	5.90	590
	Oper Const'n Water	100	%															
	Royalty-Const.Water	1	LS	---	---	---	---	---	---	---	---	500	---	---	---	---	---	500
	Operate pumps																	
	Storage (surge) tanks																	
	Maintain system.																	
	Oper Const'n Water	100.00	%	---	---	---	---	---	---	---	5.00	500	---	---	---	---	5.00	500
	V2 OPERATE BLDGS-FACIL	100.00	%	---	---	---	---	---	---	6,846	5.00	500	---	---	---	---	73.46	7,346



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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 Power System		100	%															
	HD Rental Rate																	
	Portable Generator	3	MO	1.000	1.000	---	---	---	5.69	2,952	---	---	---	---	---	---	984.00	2,952
Oper Power System		100.00	%	---	---	---	---	---	29.52	2,952	---	---	---	---	---	---	29.52	2,952
Site Services		100	%															
2	Portable Toilets	6	MO	---	---	---	---	---	---	---	250.00	3,000	---	---	---	---	500.00	3,000
	Garbage Pickup	6	MO	---	---	---	---	---	---	---	800.00	4,800	---	---	---	---	800.00	4,800
Site Services		100.00	%	---	---	---	---	---	---	---	78.00	7,800	---	---	---	---	78.00	7,800
V4 OPERATE UTILITIES		100.00	%	---	---	---	---	---	---	2,952	78.00	7,800	---	---	---	---	107.52	10,752



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Item Analysis Sheet

GE 15	V5 OPERATE SUPPORT EQUIP	100.00	%
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Proprietary and Confidential

[illegible]



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Item Analysis Sheet

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	1 MO		1.000	1.000	173	ST1106.69	18,493	---	---	---	---	---	---	---	---	18,493.35	18,493
	Management	100.00 %		0.577	1.733	173	106.69	18,493	---	---	---	---	---	---	---	---	184.93	18,493
	Pre-Construction	100 %																
	Estimator (Pre-Con)	0.46 MO		1.000	1.000	80	OF134.92	2,784	---	---	---	---	---	---	---	---	6,052.22	2,784
	Project Manager (Pre Con)	0.09 MO		1.000	1.000	16	ST1106.69	1,664	---	---	---	---	---	---	---	---	18,493.35	1,664
	Pre-Construction	100.00 %		1.049	0.953	95	46.66	4,448	---	---	---	---	---	---	---	---	44.48	4,448
	Engineering & Survey	100 %																
	Proj Eng.	2 MO		1.000	1.000	347	EN182.82	28,711	---	---	---	---	---	---	---	---	14,355.64	28,711
	Engineering & Survey	100.00 %		0.288	3.467	347	82.82	28,711	---	---	---	---	---	---	---	---	287.11	28,711
	Supervision	100 %																
	Structure Supt.	4 MO		1.000	1.000	693	SU195.54	66,240	---	---	---	---	---	---	---	---	16,559.92	66,240
	Supervision	100.00 %		0.144	6.933	693	95.54	66,240	---	---	---	---	---	---	---	---	662.40	66,240
	V7 PROJECT STAFF	100.00 %		0.076	13.087	1,309	90.09	117,893	---	---	---	---	---	---	---	---	1,178.93	117,893



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Proprietary and Confidential

GE 19	V9 MANAGEMENT SERVICE	100.00
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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
V9 MANAGEMENT SERVICE		100.00	%	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

U01	STANDARD-LANDSCAPE-MASTER.RPT	C:\Users\mtcox\AppData\Local\BEST\LocalFiles\0a481c84-f702-4013-b67f-08314b3ef644\	GE 19	V9 MANAGEMENT SERVICE	100.00
-----	-------------------------------	--	-------	-----------------------	--------



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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
	Project Signs	100	%															
	Signs	4	EA	---	---	---	---	---	---	---	200.00	800	---	---	---	---	200.00	800
	Project Signs	100.00	%	---	---	---	---	---	---	---	8.00	800	---	---	---	---	8.00	800
	V10 MISC JOB EXPENSE	100.00	%	---	---	---	---	---	---	---	8.00	800	---	---	---	---	8.00	800



CONSTRUCTION

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Item Analysis Sheet

GE 21	V11 EQUIP MAINTENANCE	100.00	%
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Proprietary and Confidential

[illegible]

GE 21	V11 EQUIP MAINTENANCE	100.00
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Item Analysis Sheet

GE 23	V13 RENTAL ADJUSTMENTS	100.00	%
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Proprietary and Confidential

[illegible]



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Project 5471209 COC WWW JOC # 2 OBRF Polymer & HCL
Location Chandler, AZ, USA

Item Analysis Sheet

1	City Allowance	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
	City Allowance	1	LS	---	---	---	---	---	---	---	---	---	---	92,611	---	---	---	92,611
	City Allowance	1.00	LS	---	---	---	---	---	---	---	---	---	---	92,611	---	---	---	92,611

1	City Allowance	1.00
---	----------------	------



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Item Analysis Sheet

2	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	---	---	---	---	---	---	---	---	5,975	---	---	---	---	---	5,975
	US CONTRACT BOND Class B	100.00	%	---	---	---	---	---	---	---	59.75	5,975	---	---	---	---	59.75	5,975
	General Liability	100	%															
	Gen Liab-USA 8.50/M	1	LS	---	---	---	---	---	---	---	---	7,469	---	---	---	---	---	7,469
	General Liability	100.00	%	---	---	---	---	---	---	---	74.69	7,469	---	---	---	---	74.69	7,469
	Builders Risk Insurance	100	%															
	Builders Risk	1	LS	---	---	---	---	---	---	---	---	1,095	---	---	---	---	---	1,095
	Builders Risk Insurance	100.00	%	---	---	---	---	---	---	---	10.95	1,095	---	---	---	---	10.95	1,095
	TAXES	100	%															
	Arizona Estimates Gross Receipts Tax x Contract Price Refer TO ADMIN WRITE-UP for TAX RATE: 5.07% Per JOC Form	1	LS	---	---	---	---	---	---	---	---	55,184	---	---	---	---	---	55,184
	TAXES	100.00	%	---	---	---	---	---	---	---	551.84	55,184	---	---	---	---	551.84	55,184
	Taxes, Bonds, Insurance	1.00	LS	---	---	---	---	---	---	---	---	69,723	---	---	---	---	---	69,723

List of Subcontractors/Suppliers

[illegible]



1555 W. University Drive, Suite 108
Tempe, Arizona 85281
(480) 967-0969 phone
(480) 967-2050 fax
ROC NO. 212723 213134

April 23, 2021

ACB QUOTE # M21138

Michael Cox
PCL Construction, Inc.
1711 W. Greentree Dr, Suite #201 Tempe, AZ 85284
O:(480) 535-7593 C: (480) 353-8761
VIA EMAIL: mtcx@pcl.com

Re: Proposal for 2 buildings for the City of Chandler OBRF Project in Chandler, Arizona.

Arizona Corporate Builders, LLC (ACB) hereby submits the following **STEEL BUILDING SYSTEMS supply and erect** proposal for 2 Buildings for the City of Chandler OBRF Project in Chandler, Arizona. This proposal is based on Architectural drawings by Hazen dated January 2021 and per the following abstract.

STEEL BUILDING SYSTEM DESCRIPTION:

Polymer Area: Tapered column clear span frame steel building system 24'-4" wide x 29'-0" long x 18'-10" Low eave height. Post & beam, nonexpendable end wall frames or expandable end wall frames. X:12 roof slope. Bypass-Inset-Flush Girts at sidewalls and at end walls. Bay Spacing of 1 @ 24'-4".

Chem Storage: Tapered column clear span frame steel building system 20'-4" wide x 24'-9" long x 18'-4" low eave height. Nonexpendable end wall frames. .5:12 roof slope. Bypass Girts at sidewalls and at end walls. Bay Spacing of 1 @ 24'-9"

DESIGN PARAMETERS:

- IBC 2018 Building Code
- Building Occupancy Classification: Normal Class III
- 20 PSF Live Load
- 0 PSF Ground Snow
- 108 MPH Wind Load Exposure C
- 5 PSF Collateral Load
- Seismic Design: $S_s = 0.173$, $S_1 = 0.064$
- Site Class D
- Standard deflections.
- Fabricator Inspection Program for Manufacturers of Metal Building Systems MB-107: **STEEL BUILDING SYSTEMS** is in compliance with the Manufactures of Metal Building Systems (**AC472**) requirements for accreditation and is recognized under Section 1704.2.5.1 of the 2015 or 2018 International Building Code.
- **Note:** *To the best of our knowledge, the design criteria listed above meets the governing building code. The "Engineer of Record" is responsible for verifying the design criteria. The engineer employed by the steel building manufacturer does not serve as the "Engineer of Record". A change in the design requirements may affect the building price.*

BRACING:

Lateral Bracing will be accomplished with X-bracing and portal frames as needed. Some coordination with framed openings will be required.

ROOF SHEETING:

Roof panels to be Trapezoidal standing seam 24 gauge 24" wide with 3" ribs mechanically seamed with necessary sealants, thermal blocks, trim, and fasteners. Roof panels have a factory standard 35-year PVDF (Kynar) paint finish warranty.

WALL SHEETING:

Wall panels to be through fastened 26 gauge, 36" wide with 1 1/4" ribs at 12" oc. Panels to have a factory standard 35 year PVDF (Kynar) paint finish warranty with necessary sealants, trim, and fasteners.

BUILDING INSULATION:

The roof is to be insulated at the time of erection with a two-layer R-11 (3.5") and R-19 (6") (R-30 roof) blanket insulation system. The laminate on the insulation will be a minimum UL-rated WMP 10 white reinforced vinyl.

Walls to be insulated at the time of erection with R-25 (8") ProLiner insulation system. The laminate on the insulation will be a minimum UL-rated WMP 10 white reinforced vinyl.

ANCHOR BOLTS:

Anchor Bolts and hard templates to be provided by others. ACB to provide Anchor Bolt layout plans and details. ACB can provide a quote for the anchor bolts if we are provided an anchor bolt design by the engineer of record.

WARRANTIES:

1. Panel Finish Warranty 25-years.
2. 1 Year for Workmanship

ENGINEERING & SHOP DRAWINGS:

Includes one (1) sets of **STEEL BUILDING SYSTEMS** shop drawings, including column location plan and structural calculations sealed by an Arizona registered engineer for the steel building system. Drawings and calculations will be available digitally. Note: Foundation design is not included and is the responsibility of the engineer of record.

BUILDING OPENINGS and ACCESSORIES:

1. Includes framed openings for all doors, overhead doors, windows, louvers, and other wall penetrations that exist in the PEMB wall framing areas and that are shown on the wall elevations.
 - a. 1 – 16' x 14' Coiling OH Door Framed Opening – Polymer
 - b. 2 – 3'4" x 7'2" Walk door Framed Opening – Polymer
 - c. 1 – 14' x 14' Coiling OH Door Framed Openings – Chemical
 - d. 1 – 3'4" x 7'2" Walk door Framed Openings - Chemical
 - i. All overhead doors, man doors and windows throughout the buildings are to be supplied and installed by others.
2. Gutters and exterior downspouts on all low eaves.

PROPOSAL EXCLUSIONS:

- Textura Fees.
- Roof Curbs
- Roof Hatches.
- Bird Netting.
- Sales or use taxes of any kind.
- Sun Shades of any kind.
- Finish painting of steel.
- Jamb Wrap Trim
- Galvanizing of any structural steel.
- Grouting or dry-pack of any kind.
- Special Inspection fees of any kind.

- Cleaning of steel after delivery to jobsite.
- Mezzanine structure including beams, B-deck, ledger, etc.
- Embeds and miscellaneous metals including masonry lintels.
- Misc. steel and structural steel (i.e. any steel sized on drawings, etc.).
- Perforated metal panels.
- Caulking of other materials.
- Fire caulking at firewalls.
- Dump Fees
- Professional surveyor to check layout. ACB to be provided with at least (1) leveling nut to required grade.
- Footing and foundation design.
- Flashings and trims associated with non-metal roof systems.
- Underlayment (Tyvek) of any kind.
- Woodwork of any kind (blocking, substrates, etc.).
- Metal blocking or strapping required by other trades for their installations.
- Skylights of any kind (tubular, etc.).
- Composite wall panels.
- Metal wall sheeting for conventional steel structures.
- Metal stud work of any kind.
- Any steel that is designed and sized on the bid documents. This is usually picked up by the Misc. Steel package.
- Interior roof drains for interior gutters.
- Misc. backing and blocking for other trades unless specifically called out in this proposal.
- Cleaning or extreme straightening of anchor bolts.
- Dust abatement activities (i.e. vibration pads, water trucks, etc.).
- Material mockup of any kind.
- Contractual indemnification of others by ACB.
- Prevailing wages, premium wages, Davis Bacon Act wages.
- Provisions for Factory Mutual requirements (i.e. FM-60, FM-90, etc.).
- Provisions for Buy American or Buy America Act requirements.
- Liquidated or actual damages. (this is subject to negotiation).

Anything not specifically listed above

ADDITIONAL CLARIFICATIONS:

- All primary and secondary steel provided in this proposal will be primed with a red oxide primer. Please note that primer is not intended to be a finish paint system. It is intended to protect steel in transport to the jobsite.
- The pricing of this project has assumed that all the materials will be able to ship at a continuous time-frame.
- Contractor to provide access ramps onto the slabs for safe access of forklifts.
- Common walls between buildings are open to framing by others.
- ACB is not carrying any taxes in this pricing. This can be added per request.
- The cost of restricted access is excluded. ACB shall be provided with level access for 24 feet around the full perimeter of the building and the entire floor slab for men, materials and equipment. An adequate lay-down and shake-out area shall be provided adjacent to the access area.
- ACB standard insurance coverage: Commercial General Liability \$1 million each occurrence, \$2 million general aggregate and \$2 million products and completed operations aggregate; Automobile Liability Any Auto \$1 million combined single limit; Workman's Compensation Insurance Employer Liability Limits \$1,000,000/1,000,000/1,000,000.
- Any separate contract agreement for this work made as a result of this proposal shall be subject to the terms of this proposal in its entirety whether or not this proposal is referenced in the contract. Changes to the inclusions, exclusions and other terms of this proposal shall be void unless agreed to in writing by ACB.
- This quote is good for 30 days, subject to factory increases. Lead times for engineering and materials vary depending upon if the building requires architect approval or if it can be fabricated immediately. Duration commitments can be made at time of order subject to factory backlog. Monthly progress billings will be invoiced by the end of each month, with payment due by the 20th of the following month. Any unpaid

balances will accrue interest per Arizona state law. We have figured that payment methods and procedures will follow the Arizona Prompt Pay Law.

- This proposal is subject to reasonable contractual terms.
- No provisions have been included for protection of concrete from tire marks. Typical erection includes the use of extended reach fork-lifts, scissor lifts and man lifts within the building envelope. The rubber tires from this equipment can be expected to leave marks on the concrete. The cleaning or protection from such marks has not been included in this cost.
- (1) mobilization has been included for red iron steel erecting. Additional mobilizations can be provided at additional costs.
- No provisions are included for site specific or special safety training other than the basic OSHA training unless noted otherwise.

PRICING BREAKDOWN:

Arizona Corporate Builders, LLC will supply the above-described building for the lump sum price of:

BASE BID	\$ 177,182.00	<u>Excluding Tax & Bonds.</u>
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ALTERNATE #1: Supply and Install OH Doors

\$ 24,936.00	<u>Excluding Tax & Bonds.</u>
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ALTERNATE #2: Supply and Install Walk doors

\$ 11,803.00	<u>Excluding Tax & Bonds.</u>
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Added in as Bldg.
will not be released
by Date

ALLOWANCE #1:

If building is not ordered in 30 days, to extend pricing for another 30 days add **\$ 5,800.00**
Excluding Tax & Bonds

PRICE ESCALATIONS:

Proposed price is based Project being ordered as a "Fabrication" order by 5/21/2021. If the above shown order or ship date is not met, the client may incur steel building material cost increases caused by the current volatile steel market. The client will only be responsible for the additional bare costs incurred to us by our manufacturer with-out any added overhead and profit. Sales tax and bond to be added if applicable.

SCHEDULE LEAD TIMES:

- | | | | |
|----|--|----------|------------------------------|
| 1. | Preliminary Reactions for Concrete Foundation: | 6 | days from Notice to Proceed |
| 2. | Stamped Reactions and Anchor Rod Layouts: | 7-8 | weeks from Notice to Proceed |
| 3. | Final Engineering Packet: | 13-14 | weeks from Notice to Proceed |
| 4. | Fabrication and Delivery: | 20-24 | weeks from Notice to Proceed |
| 5. | Erecting | | |
| | a. Red Iron: | TBD | weeks from delivery |
| | b. Sheeting and Trims: | INCLUDED | |

Respectfully Submitted;

Arizona Corporate Builders, LLC
Jay Sitek – Estimator

Office: 480-967-0969
Cell: 920-843-0226

Michael Cox

From: Jeffrey Price <jprice@cactusasphalt.com>
Sent: Monday, April 19, 2021 6:43 AM
To: Michael Cox
Subject: Re: Chandler OBRF Polymer Storage Buildings (CMAR - JOC)

Just plug me in for my minimum. \$5,000.00

Sent from my iPhone

On Apr 19, 2021, at 6:38 AM, Michael Cox <mtcox@pcl.com> wrote:

Jeff,

Sorry for delay. I only see a small amount of asphalt replacements approx.. 10 SY

Regards,

Michael Cox
Special Projects Estimator

PCL Constuction, Inc.
1711 W. Greentree Drive, Suite #201
Tempe, AZ 85284
T: 480-535-7593
M: 480-353-8761
mtcox@pcl.com

www.pcl.com
TOGETHER WE BUILD SUCCESS



Harris/ Arizona Rebar, Inc.

2101 W. Jackson St
Phoenix, AZ 85005

Ph (602) 254-0091
Fax (602) 340-0977

National Strength. Local Service.

Lic No: AZ ROC092145 L62, CA C50-638636

Proposal No: **PJ100-172**

Proposal Date: **4/23/2021**

This proposal is valid for
10 days from date shown above.

BID PROPOSAL

SECTION I- GENERAL INFORMATION

Proposal to: **Bidding Contractors**

Project Name: **Chandler OBRF Polymer Storage Building**

Ref. No.:

Attn: **Estimating Dept**

Chandler, Az.

Drwgs Quoted: **See Attached**

Specs: **See Attached**

Addendums: **See Attached**

SECTION II- SCOPE OF WORK

> Concrete Deformed Reinforcing Steel Detailed, Furnished & Installed per ACI & CRSI Standards.

SECTION III- PRICES

NOTE: Taxes are EXCLUDED from prices shown.

Bid Item	Description	Qty	Unit	Unit Price	Extended
01	CLS Polymer Building (CIP Reinforcing)	1	LS	\$3,990.00	\$3,990.00
02	Belt Press Polymer Building (CIP Reinforcing)	1	LS	\$4,022.00	\$4,022.00

Total Reinforcing Items= **\$8,012.00**

Cost of Bonds are not included in above prices.

SECTION IV- SPECIAL CONDITIONS, EXCLUSIONS AND/OR CLARIFICATIONS FOR THIS PROJECT

- Prices are based on a Start Date of not later than **6/15/21** and shall remain valid through **12/31/21**. Any rebar shipped AND/OR installed after that date will be subject to an increase of **\$100.00** /Ton every **6** months.
- Exclude any and all TERO Requirements and or "Employee Hiring Preferences".
- Exclude Prevailing Wages
- See attached sheet for additional exclusions and qualifications.
- Price based on (1) Delivery to Jobsite. Additional fee's will be required for additional deliveries.

Project Name: OBRF POLYMER STORAGE BUILDINGCity of Chandler,
Arizona**Architect:****Engineer:****Customer:** Harris Rebar-Phoenix**Estimator:** ARW**Creation Date:** 4/21/2021**Last Modified:** 4/21/2021**Status:** Incomplete**Cover Page Comments:**

Assumptions: -

Inclusion: -

CLS Polymer Building - Slab on Grade & Additional.

Belt Press Polymer Building - Slab on Grade & Additional.

Exclusion: -

- 1) Concrete Sidewalk (Ref: C01) - MAG Detail has No Reinforcement.
- 2) Stair on Grade (Ref: S-05-0303) & Ground Rod Test Well (Ref:E06) - Unknown Location.
- 3) Curb & Pavement for CLS Polymer Building (Ref: C01) - No Reinforcement

Notes: -

- 1) For all Concrete Structures, we have used Lap Splice as per Schedule (Ref: SD1).
- 2) All Bars shall conform to ASTM A-615, Grade 60.
- 3) We have used 30'-0" Stock Length for all #4 bars.

Drawing References:

Structural Drawings - S01 thru SD1 (January 2021),
Architectural Drawings - A01 thru A09 (January 2021),
Civil Drawings - C01 & C02 (January 2021),
Electrical Drawings - E01 thru E06 (January 2021).

- 1 X All lines, grades, racks, forms, layout and rigid templates accurately in place before installation, except those forms or other materials that will hinder the installation.
- 2 X Firm, level, subgrade at elevation shown on drawings including all levels, datum lines, elevations, openings and dowel outs for concrete &/or masonry.
- 3 X Clear access roads & ramps for unloading of trailer/truck deliveries to within 50 feet of point of installation, and reasonable storage and lay-down areas.
- 4 X Cages for drilled piers, shafts, caissons, and light pole standards will be tied and stockpiled by Subcontractor.
- 5 X Suitable equipment fully operated for hoisting/lowering reinforcing steel, personnel, wire mesh, etc, including unloading trucks, staging of reinforcing to points of installation (into foundations, and onto elevated decks, etc) setting columns, wall cages and/or any other pre-tied assemblies including power placing of individual bars as required.
- 6 X Copies of all contract documents in quantities as reasonably requested.
- 7 X Parking area and/or cost of parking for field crews and provide area for jobsite office including utility hookup.

- 1 X Cost of Inspections, crane inspections, testing, bonds, permits, penalties or Liquidated Damages.
- 2 X Inserts, sleeves, rubatex, water stops, smooth dowels and /or dowel baskets, galvanized or epoxy coated dowels, threaded rebar, stud rails and placing of stud rails.
- 3 X Cleaning, cutting, straightening, locating or rework of existing reinforcing steel, reinforcing extending from piles, or precast
- 4 X Cutting, drilling of holes, grouting, field bending or dry-packing of reinforcing steel.
- 5 X Burning, cutting, or drilling of structural steel/miscellaneous iron to pass reinforcing steel.
- 6 X Protection and/or cleaning of others work, covering, painting, greasing or wrapping of reinforcing steel or smooth dowels.
- 7 X Rebar Safety Caps or devices for covering rebar ends.
- 8 X All welding and rebar welded to structural/ miscellaneous iron.
- 9 X Blocking, chairing, wrapping and/or pulling of welded wire fabric.
- 10 X All dead men, cables, labor and engineering of system for guying of rebar, if required.
- 11 X Cleaning of tie wire clippings, tags and other spoils from work areas, cost of dumpster and composite crew cleanup, except as mutually agreed.
- 12 X Lines, grades, steel racks, templates, scaffolding, safety rails, work platforms & ramps, sanitary facilities and jobsite access to drinking water.
- 13 X Removal, grinding &/or patching of staples, nails, bolts and/or any other device used for the placement of concrete reinforcing accessories.
- 14 X Reinforcing for Anchor Points (and the Anchor Points) for Shotcrete, Precast, Closure Pours, Precast Connections and Prestressing Items.
- 15 X Sand Plated Chairs.
- 16 X Test bars and test couplers (except those specifically called out in specs)
- 17 X Adequate power and lighting when necessary.
- 18 X Cost of reworking or replacing reinforcing steel damaged or lost due to flood, actions of buyer, other subcontractors or other acts of God.
- 19 X Blocks, inspection tubes, wheels or spacers for clearances in drilled shafts or caissons.
- 20 X Tie wire, accessories and field placing aids for F.O.B. materials.
- 21 X Prevailing Wage Rates or Job Specific Labor Agreement Rates. Proposal based on Open Shop wages.
- 22 X Design Engineering, Engineer stamping of drawings, Field Measurements and As-Built drawings.
- 23 X Sitework, Masonry Rebar, Mock Ups, MSE Walls, Electrical Duct Bank, Equipment Pads, Pipe Encasement &/or Supports. (Unless specifically stated as included)
- 24 X Supply & Installation of reinforcing for stair landings and treads.
- 25 X Layout of TOW, TOF, EOW, expansion/construction joints, corners, doorways, blockouts and/or openings of any kind and Masonry Dowels.
- 26 X Separate Pour Watchman, Fire Watchman, Safety Manager, QC Mgr, Traffic Control or Onsite Security.
- 27 X Trim reinforcing for openings, penetrations, and inserts not specifically located on Structural Drawings.
- 28 X Double handling costs, including costs to transport material from an unreasonably located area.
- 29 X Unloading, handling &/or setting of FOB materials (including Prebuilt Drilled Shaft Cages).
- 30 X Dust control, Storm Water management and/or similar environmental programs.
- 31 X Third party invoicing processing fees or enrollment in third party invoicing services.
- 32 X Re-Detailing of shop drawings & reviewing/processing of changes will be at \$65.00/Hr.

- 1 Build outs or blockouts in accordance with approved post-tensioned shop details and of sufficient strength to accommodate post-tensioning tendons. Filling of blockouts and
2 rust-proofing of anchorages in accordance with contract documents after stressing is completed.
3 Suitable work space including work platforms (a minimum of 3' in width), approved by Seller, at each end of tendon when required by Seller for access to stressing
4 locations. All work spaces shall conform to prevailing OSHA regulations.
5 Adequate lighting, electrical power, potable water for grouting and compressed air, as required by Seller, all within 50 feet of all points of use; temporary heating or cooling,
6 if required by Seller.
7 Grout/Cement: Estimated to be _____ Sacks:
8 Locating, installing and removing of pocket formers.
9 Full-time forklift for post-tension operation.
10 Adequate storage facilities and dunnage for post-tension material and equipment.
11 Ice for grouting operation.
12 All forming, including layout, drilling and bracing of forms ready to receive post-tension tendons and rebar; adequate electrical power as required for all points
13 of use; marking of tendon locations; field coating of tendon anchorages and stressing records when required by contract; grouting of blockouts or pockets necessitated
14 by post-tension operations.
15 Inspection to insure that the ducts are clear and undamaged after concreting and before tendon installation; repair of damage to ducts when damage is discovered subsequent
to duct installation; cost of all delay and remedial work if Seller is unable to pull tendon through duct without damaging duct or tendon; and cost to repair or replace any tendon
damaged by others.
Air pressure testing of ducts.
Inspector to be present during all stressing operations to record and monitor elongations results as tendons are stressed and to be present during all grouting operations.
Supply and Installation of Studrails is excluded.
Any detensioning & retensioning of Post-Tensioning cable is excluded.
Stapling of chairs, supplying of staples, cutting &/or grinding of staples is excluded.

SECTION VIII- TERMS AND CONDITIONS

- 1 **Terms of Sale:** Payment Terms – Subject to on-going credit approval: Net 30 days from date of invoice. Interest will be charged on all past due balances per the maximum rate allowed by law. Legal fees and costs will be paid as awarded to the prevailing party in the event of a legal dispute. Seller reserves the right to stop Work or demand security as required. Buyer agrees to pay Seller in accordance with the escalation policy as specifically identified in this proposal. "Work" is hereby defined as the performance of all work as listed above and included in any accepted Agreement, plus any changes, acceleration/out of sequence work, damages, escalation and costs incurred for the cause or benefit of Buyer or others.
- 2 **Acceptance:** Prices of individual bid items are subject to renegotiation if Buyer elects not to accept this complete proposal as presented. If Seller is requested to proceed with the work prior to the execution of a mutually agreed Contract, or if the work is completed prior thereto, the Terms and Conditions herein shall govern pending said Agreement. No assignment of this proposal shall be made without our prior written consent. We reserve the right to sublet portions of our Work.
- 3 **Schedule:** Seller's price is based upon detailing, fabrication, and placing on a normal 5-day, Monday to Friday, 40 hour work week, daylight hours unless explicitly noted on the face hereof. Performance will be based on bid documents as provided for tender and industry standards/CRSI. Schedule and schedule changes to be mutually agreed. Buyer to provide Seller (48) hours' notice of cancellation or modifications to schedule deliveries, Buyer agrees to provide adequate notice for workmen required at the jobsite and sufficient work for at least one full shift. Detailing submittals will be sequenced in a manner appropriate to the construction schedule. Working schedules to be made by mutual agreement of the Contractor and Subcontractor to conform to Contractor's master schedule. In event duration times are provided by Subcontractor, it is agreed that time starts only when work areas are provided ready to receive installation in all respects, in accordance with OSHA and State safety regulations.
- 4 **Back Charges/Shipping Discrepancies:** No charges for labor or materials furnished by the Buyer shall be allowed as a credit unless authorized in writing by Seller within ten (10) days of said occurrence. After a twenty four (24) hour period, all loads will be assumed to be verified.
- 5 **Safety:** Buyer will provide at no cost to Seller, general jobsite conditions conforming to OSHA standards and local governing authorities, including, but not limited to, adequate protection to ensure the safety of those working above reinforced steel as required, furnishing and installation of rebar safety caps or other OSHA compliant impalement hazard protection as required; Detection of/protection from underground and other utilities; Safe access, signage and other required warnings, flagging, barriers/barricades, general site and task lighting as required; Shoring, fall-protection anchorage points, walkways, approved scaffolding and staging in place as required, trenches, rails, snow and ice removal, all weather truck access; safe access to points of storage and work, etc. all as required.
- 6 **Insurance:** General Liability insurance will be provided solely for work performed by Seller and/or its engaged parties. Seller is not providing insurance for any liabilities that exceed Seller's responsibilities and/or liabilities. Additional Insured Endorsements may limit liabilities to those assumed under the Agreement and exclude Professional Liabilities. XCU, subsidence, Professional Liability, Aircraft, Pollution Liability and mold coverage are excluded as not applicable to this trade. A broad coverage manuscript policy is provided in lieu of ISO descriptions and forms. Additional coverage or alternate requirements not set forth herein and mutually agreed are subject to availability and any additional costs. Self-insured limits must be accepted as provided and any related security substitution requirements waived. Seller excludes: Builders Risk Insurance and return receipt requested notices for all certificates of insurance. Compliance requirements for any hired sub-subcontractors are subject to availability.

SECTION IX- CONDITIONS OF SALE EXCLUDED:

- 1 Pay if paid or "Pay when paid" conditions precedent for all properly completed work, including base scope of work, changes, acceleration/out of sequence work, damages, escalation and costs incurred for the cause or benefit of Buyer or others("Work"); Retention exceeding the rate withheld by Owner; Retention on F.O.B. items.
- 2 Indemnification, claim, and defense liabilities, responsibilities or damages exceeding any proportionate extent of cause by Seller's active negligence or willful misconduct.
- 3 Minority, DBE, DVBE, SBE, WBE and other special hiring status content, affiliation, or contribution to such requirements.
- 4 Risk, liabilities and responsibilities arising from existing conditions and preceding work exceeding visual inspection, including, but not limited to, field measurements, surveying, layout, forming and materials supplied by others; Costs arising from differing conditions and/or requirements from plans or drawings or bar lists provided for performance.
- 5 Design engineering and related Professional Liabilities and responsibilities; Costs and damages due to varying conditions and requirements.
- 6 Waiving any rights of dispute or redress; Costs/risks of claims against Owner for undisputed portions of our Work.
- 7 Forms and information requirements not mutually agreed; Unconditional forms of release in advance of receipt of funds; Releases that fail to exclude pending changes, unpaid balances, and retention as applicable; Releases for claims unrelated to payment for work performed; Non-conforming forms of waivers and releases within States that provide Statutory release language.
- 8 Reports, waivers, and other forms and contractual obligations related to bulk suppliers to our inventory stock who do not have lien rights.
- 9 Warranties exceeding Seller's scope of responsibilities or one (1) year; Guaranties of work performed by others; any forms of warranties, express or implied, of merchantability or fitness for purposes intended.
- 10 Risks and responsibilities for equipment and/or employees of Buyer or others providing services, or manning equipment used in connection with, but not within, Seller's scope of Work.
- 11 Liquidated and delay damages exceeding actual damages incurred, our scope of responsibility and/or our proportionate extent of cause, and for Force Majeure; Property damage, remedial work and/or replacement of Work and the work of others to the extent made necessary by others or Force Majeure.
- 12 Increased labor and material costs and/or damage in the event of project suspension or delay.
- 13 General Liability credits for any wrap-up insurance programs.
- 14 Prime contract terms, conditions, and scope in addition to, and/or in conflict with, a mutually agreed contract and Seller's scope of work and responsibilities as described herein.
- 15 Reports, submittals and data requirements not applicable to our trade, reasonably required or mutually agreed; Release of proprietary or other confidential information and records as governed by the U.S. Security and Exchange Commission rules for a publicly traded company.
- 16 Any portion of fines or penalties exceeding the extent of cause by Seller; Any increased, surcharged or escalated portion of fines incurred by Buyer.
- 17 Enrollment/contributions to unions to which Subcontractor is not signatory; compliance with any additional or conflicting term, condition, or rate of pay, etc. between Seller's labor agreement and others affiliated with the Project.
- 18 Guarantors.
- 19 Site security.

SECTION X- ACCEPTANCE

The above proposal including all attached and referenced documents shall constitute a contract or shall be part of a contract is subject to on-going credit approval. Prices shown are for the complete project and NO single item price or group of prices are valid alone without the consent of the Seller. We reserve the right to modify/negotiate amendments to any Contractor issued forms of Agreement, as required to properly describe scope of work, pricing and mutually agreed terms and conditions.

Buyer: _____
 By: _____
 Title: _____ Date: _____

Seller: **Harris/ Arizona Rebar, Inc.**
 By: 
 Title: **Sales** Date: **4/23/21**



****IMPORTANT NOTICE ****

HARRIS REBAR SAFETY PROGRAM

Dear Harris Rebar Customer:

Harris Rebar takes SAFETY as the #1 priority in every aspect of our operations, which includes your jobsite. The safety of our workers, and all workers, is very important to us. In order to achieve our goal of ZERO ACCIDENTS, we have implemented a stringent safety program which includes visits to the jobsite by our Safety Representative. Should the jobsite not comply with local & regional safety standards, our Safety Representative will instruct our on-site labor forces (either our own forces or those that are subcontracted) to stop all work until the jobsite is compliant.

Harris Rebar wants this strong stance on safety to be viewed as a positive. We are committed to be the safest rebar company in the industry, which helps you. In addition, we will be glad to work with your safety representative and provide you our own jobsite safety inspection and report to you our findings. It is our goal to provide a safe working environment for all workers.

Harris Rebar wishes to do business with customers who take safety as their #1 priority as well. Construction is an inherently dangerous industry, but together we can achieve the safest jobsites possible.

Please contact us if you have any questions or would like to schedule a jobsite inspection by our Safety Representative.

Proposal # 5226.424



April 23, 2021

To: Potential Bidders

Re: ***OBRF Facilities Improvements - Arizona***

SCOPE

We propose to furnish and install the complete Heating, Ventilating, Air Conditioning & Piping (see below) scope(s) of work per the information provided to us, including but not exclusive to, plans, specifications, P&IDs, written and verbal correspondence. The following pricing was prepared assuming that industry standards would be used to meet the intentions of the bid documents provided to us. Below are the inclusions, exclusions and clarifications that have been used to compile the pricing contained within this proposal.

DRAWING DATE

January 1, 2021

ADDENDA / CLARIFICATIONS NOTED

N/A

SCOPE CLARIFICATIONS - HVAC & PIPING

- ~ Includes the following HVAC equipment;
 - 2- Ductless split system(s).
 - 2- Line sets.
 - Wind Baffle Kit
 - Applied Heresite Coating for Evaporator coil & Unit Casing
 - Applied Heresite Coating for Condensor Coil, Fan & Unit Casing
 - Condensor pump with reservoir & Sensor
 - Wired MA Controller
 - High Wall Ductless unit as per specifications

- ~ Includes the following piping systems, condensate (copper). Piping systems include all associated specialties and identification as detailed in the bid documents. The piping includes all above ground scope(s) of work. The piping will be a combination of screwed, soldered systems as specified.
- ~ Includes all hangers and supports for the piping systems and HVAC equipment as detailed.
- ~ Includes all insulation for the piping systems as specified.
- ~ Includes all fire and smoke sealing of piping penetrations through rated assemblies as specified.
- ~ Includes rentals for this scope of work.
- ~ Includes start up for all equipment supplied by CSUSA-SW for this scope of work.
- ~ Includes test and balance for this scope of work.
- ~ Includes (1) year parts and labor warranty and a (2) year craftsmanship warranty for this scope of work.
- ~ Includes sales tax for this scope of work.

GENERAL EXCLUSIONS

~ This proposal excludes the following unless noted otherwise;

- * Bond, Permits, Fees, Site utilities, Fire protection, Life Safety / Fire Alarm, Plumbing & Electrical scopes of work unless noted otherwise.
- * Motor starters unless they are integral to the equipment we are furnishing.
- * Receiving, unloading, storing, distributing and installing equipment furnished by others, unless noted otherwise.
- * Poured or formed concrete work including housekeeping pads.
- * Cutting, framing & patching of openings in walls, floors, ceilings or roofs.
- * Painting.
- * BIM / 3D coordination drawings.
- * Duct cleaning unless specifically included above, all duct comes from the factory with shrink wrapped ends.
- * Seismic restraints and supports, this includes all engineering and layout.
- * All items and services required for LEED certification unless specifically detailed in the above scope(s).
- * Duct pressure testing.
- * General sheet metal and specialty metals.
- * Architectural louvers unless noted otherwise.
- * Asbestos and/or hazardous material surveys, abatement or disposal.
- * Fire Dampers, Fire Smoke Dampers & Smoke Dampers not shown on drawings.
- * Engineering Services.
- * Trenching, backfill and compaction.
- * The supply, installation & painting of architectural access doors unless noted otherwise.
- * All after hours work and/or overtime work unless agreed to in advance.
- * French Drain
- * Electrical

PRICING

(Excludes Bonds, if required please add 0.400% to the following numbers)

HVAC & Piping Base Bid

\$48,843.00

Thank you for this opportunity to propose on this project for you. Please contact us should you have any questions or need any further clarifications.

Best regards,
Jay Faraci
(602) 350-4838
jay.faraci@comfortsystemsusa.com



This proposal is valid for 30 days.

Office - (480) 940-8400 6875 West Galveston - Chandler, Arizona 85226 Service - (480) 753-9295
AZ-ROC #'s: 066620, 072973, 092780, 100072, 101851, 110303, 225173 CA-ROC #: 931867 NV-ROC #: 0073021 NM-ROC #: 360598

GENERAL CLARIFICATIONS

- ~ We reserve all rights and remedies for damages and/or delays caused by parties other than Comfort Systems USA - SW
- ~ We have not included any provision for generators or other temporary power supply. We are expecting temporary construction power to be provided by others.
- ~ CSUSA-SW will not be bound to any schedule in which we have not fully participated in. Further, we will not allow our work activities to be compressed due to schedule slippage for which we are not responsible. If slippage should occur then CSUSA-SW expects fair compensation for any additional costs associated with
- ~ CSUSA-SW will not be liable for delays resulting from industry conditions constricting the supply of essential components or materials used on this project. This includes but is not limited to the supply of raw goods (such as steel and copper) that are required to manufacture the materials and products used on this
- ~ In the event that material pricing increases by more than 5% from the date of this quote, CSUSA-SW reserves the right to add the amount of any such increase to the project price.
- ~ Unless detailed in the bid documents or addressed previously, CSUSA-SW has based this pricing on having direct access to our materials, It is our expectation to have a stockpile lay down area not more than 200' from the work area.
- ~ Unless liquidated damages are detailed in the bid documents or have been discussed prior to the presentation of this proposal, CSUSA-SW will not accept the inclusion of said damages into this project until we are provided with more detail.
- ~ CSUSA-SW at their discretion will convert all rectangular duct to the equivalent sized round or oval ductwork. We will coordinate this change, if made, as required to minimize the impact with other trades. All round and oval duct will be fabricated to the SMACNA standards relevant for this type of duct systems.
- ~ In the event of significant delay or price increase of material or equipment occurring between the date of this proposal and the date of execution of the Subcontract through no fault of Comfort Systems USA Southwest, the contract sum, contract schedule, and contract requirements shall be equitably adjusted in the Subcontract. A change in price of an item of material or equipment shall be considered significant when the price of an item increases >5% percent between the date of this proposal and the date of execution of the Subcontract.



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

4-26-21

OBRF Polymer Storage Bldg.

PCL Construction

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 prep and coat the following areas per supplied plans and specs
 - CLS Polymer Building
 - New building structural steel only - \$2,641.00
 - Concrete floor - \$3,555.00
 - Piping and misc. metals - \$2,653.00
 - Man doors (excluding roll up door)
 - HVAC / Electrical
 - Piping
 - Equipment
 - Exposed CMU wall - \$2,142.00
 - 4ea Pipe Bollard (prep and prime only) - \$400.00
 - Belt Press Building
 - New Building structural steel only - \$2,641.00
 - Concrete Floor - \$2,289.00
 - Piping and misc. metals - \$2,075.00
 - Man door (excluding roll up door)
 - HVAC / Electrical
 - Piping
 - Equipment
 - 5ea Pipe Bollards (prep and prime only) - \$500.00

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

Excludes:

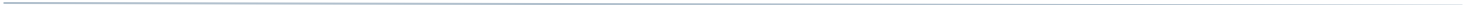
- Mics Taxes including sales Tax.
- testing or inspection
- Delays in work caused by other trades
- OT/Accelerated schedules
- Bonds and permits
- Hazardous materials

Sincerely,

Tony Bodzioney

Professional Piping Systems
480-825-2413

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





**RURAL
ELECTRIC**

BUILDING POWERFUL CONNECTIONS

9502 East Main Street
Mesa, AZ 85207

Licensed Contractor
ISO 9001:2015 Registered

Office (480) 986-1488
Fax (480) 984-0319

To:	PCL Civil Constructors Inc.	Contact:	Michael T. Cox
Address:	1729 West Greentree Drive, Suite 105 Tempe, AZ 85284 USA	Phone:	480-829-6333
		Fax:	480-829-8252
Project Name:	102 COC OBRF Polymer Storage Building	Bid Number:	
Project Location:		Bid Date:	4/23/2021

Item #	Item Description	Estimated Quantity	Unit	Total Price
001	Provide & Install Electrical Proposal	1.00	LS	\$112,139.00

Total Bid Price: \$112,139.00

Notes:

• **ADDER:**

+ \$13,603.00
\$125,742.00

If Arc flash, coordination study is required please add: **\$3,135.00**

If lightning protection is required please add: **\$13,603.00**

• **AZ LICENSE #075367 & 074573**

• **Scope of Work Includes:**

- Make safe electrical prior to any demo or renovation
- Remove existing 480v CR6A-MIX154-0-05 breaker from existing MCC
- Investigate existing Manholes and raceways for direct path to belt press area
- Mandrel and pull new mule tape through existing manholes
- Demo existing exposed conduit and conductors shown demo sheets
- Remove existing light pole at CLS polymer location
- Provide & install Grounding per the plans and specifications
- Provide & install GRC conduit for above ground runs
- Reposition/Rotate the Tote Weigh Scale panel and junction box inside polymer building
- Reroute new conduit and conductors for the tote weight scale panel and junction box
- Cut and lower existing conduits into new gutter at CLS and Belt press location
- Provide & install conductors to power and communication equipment
- Provide & install conduit and wire between flow switch and existing bell at CLS building (conduit and wire not to exceed 100ft away)
- Provide & install 10'x12"x10" gutter at Belt Press area
- Provide & install pull box at CLS building
- Provide & install new traffic rated cover for existing test well
- Provide & install (x4) N4X 30A disconnects switches
- Provide & install (x1) 20A 480V MCC bucket (EATON)
- Provide & install (x15) LC1 light fixture
- Provide & install (x5) LW1 light fixture
- Provide & install (x5) XW1 light fixture
- Provide & install light switches per the plans
- Provide & install receptacles per the plans
- Assist with startup and testing

Spec Sections:

- Div. 26

Plan Sheets:

- Electrical Plans

• **Excludes:**

- Taxes, permits, fees or allowances
- Utility company permits, fees or allowances
- Temporary power or lighting
- The removal of all the underground structures (i.e., conduits, duct banks, concrete boxes, concrete bases, and foundations) is by others
- Sawcutting, removal or patching of asphalt or concrete
- Finished grading
- Engineering, design, surveying, and staking for line and / or grade are excluded. Elevations must be provided where required
- Spoils from trench or excavation work will be placed trench side to be removed or spread by others. All concrete and asphalt removal and disposal by others
- Dumpsters or Haul-off
- Excavating or backfill of electrical ductbanks
- Repair of any existing underground ductbanks or conduits
- Concrete pads or house keeping pads
- Painting or coating
- Welding
- Fire alarm, fire suppression or devices provided and installed by others
- Intrusion or ACAMS systems by others
- Equipment haul off by others
- Programming or software
- Roof sealing penetrations
- New conduit from existing electrical equipment to existing manholes
- Bonding is NOT included in these bid amounts. If a bond is requested, it will be billed outside the contract value and will become due and payable immediately upon presentation of bond. Our bond rate for this project is 1.20%.
- For Demolition and Salvage our work will be limited to the disconnection and removal of all salvageable electrical materials only (i.e., light fixtures, signs, transformers, wire, etc.). The removal of all the underground structures (i.e., conduits, duct banks, concrete boxes, concrete bases, and foundations) is by others.
- All Division 1 requirements are to be furnished by the Prime Contractor or others. This includes but is not limited to preparation of construction schedules, contractor quality control program, QA and QC testing, temporary construction trailers or facilities, construction lighting and power, maintenance of site access, site dust control, temporary site environmental protection, permits and/ or fees, and builders-risk or all risk insurance policies.
- Where the electrical drawings and electrical specifications conflict with other contract documents, our pricing is based on the electrical drawings.
- Rural Electric is not responsible for unmarked landscaping facilities.
- Prime contractor is to furnish a source for construction water at no cost to the subcontractor.
- Pay when paid clauses will not be accepted.
- Rural Electric, Inc. maintains its own job documentation system. Any additional requirements by the GC to complete job documentation on GC supplied forms will require additional subcontractor administration time and additional cost. This proposal excludes the use of GC supplied documents (i.e. Special GC daily reports, RFIs, certified payrolls, submittal/transmittal forms, etc.).
- This proposal is made with the understanding that we will enter into a mutually acceptable subcontract agreement. We will not accept any terms or conditions that are less favorable to Rural than those imposed in the Prime contract by the Owner. The conditions of this proposal must be attached or incorporated into our subcontract agreements.
- Prices quoted herein are those in effect today, and are predicated on immediate release for manufacture and shipment. These prices are subject to adjustment for changes in the base price of commodity items such as: Copper, Steel, Lead, Aluminum, or Resins), which may occur between the date of quotation and the date(s) shipments are made.
- Our Quote is valid for 30 days
- Rural shall not be liable for any losses, damages or delays due to causes beyond our reasonable control, including without limitations, acts of God, epidemics, extreme weather events, fire, delays by others, or any acts, conduct, or omission from unrelated third-parties outside of our direct control
- Liquidated damages (if applicable) shall be limited to the proportion of our subcontract to the General Contract.
- Retention shall be reduced by 50% upon substantial completion and released once beneficial occupancy or final acceptance has been received.
- If a subcontract payment bond is requested of Rural, then providing monthly lien releases shall not be a condition precedent for payment and all payment will be made to Rural as single party checks.

Payment Terms:

Net payment is expected within 30 days.

ACCEPTED: The above prices, specifications and conditions are satisfactory and are hereby accepted. Buyer: _____ Signature: _____ Date of Acceptance: _____	CONFIRMED: Rural Electric, Inc. Authorized Signature: _____ Estimator: Cameron Claussen cameronc@ruralelectric.com
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Date: April 23, 2021
Project: CoC OBRF Facilities Improvements Fire Alarm
Project Location: 3737 S Old Price Road, Chandler, AZ 85248
Proposal #: BR-36-21

Systems:	☒ Fire Alarm	☐ CCTV	☐ Access Control	☐ Security	☐ Dry Chem	☐ 2-way Emergency Comm.
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Proposal Type:	☒ Turnkey	☐ Parts & Smarts	☐ Budget
Proposal is Per Plans and Specifications Dated: 1/8/21		☐ Design Build	

Fire Alarm Base Proposal:
\$4,300.00 Total Weatherproof Horn Strobe Installation

Proposal Notes:

- This proposal includes installing new horn strobes on the interior and exterior of the new polymer building.
- This proposal includes monitoring of a new wet fire sprinkler riser and devices.
- This proposal includes connections to the existing fire alarm control panel.
- This proposal includes design, permit, final inspections, and engineering.
- This proposal assumes no other off hours, weekends, and holiday work.

Equipment List	
Quantity	Description
5	Horn Strobes
4	Monitor Modules
1	Roll 14/2 Fire Alarm Wire
1	Lot Labor

Thank you for your consideration on this project.

William Rogers

Bill.rogers@wsfp.us

(480)392-9790

Albuquerque, NM
Austin, TX
Casper, WY
Colorado Springs, CO
Dallas, TX
Decatur, IL
Denver, CO
El Paso, TX
Ft. Collins, CO
Glenwood Springs, CO
Houston, TX
Jefferson City, MO
Kansas City, KS
Lakewood, CA
Las Vegas, NV
Los Angeles, CA
Missoula, MT
Phoenix, AZ
Portland, OR
Rapid City, SD
Sacramento, CA
San Antonio, TX
Seattle, WA
Spokane, WA
St. Louis, MO
Tucson, AZ
Waco, TX

April 23, 2021

Mr. Michael Cox
PCL Construction
1711 W Greentree Dr Unit 201
Tempe, AZ. 85284

Re: Automatic Fire Protection for Chandler OBRF Polymer Storage

For the Automatic Fire Protection system on this project, we wish to present our price of FORTY THOUSAND SIX HUNDRED Dollars (\$40,600.00). This price is subject to the following Costs, Scope of Work, Qualifications, Exclusions, and Alternates.

COSTS:

Belt Press Building interior fire sprinkler system	\$16,800.00
CLS Building interior fire sprinkler system	<u>\$23,800.00</u>
TOTAL LUMP SUM:	\$40,600.00

SCOPE OF WORK:

1. Provide all design, labor, and materials for a complete installation of a fully automatic wet-pipe fire sprinkler system throughout the proposed facility.
2. The system shall be designed and installed to meet the code requirements of the City of Chandler Fire Department and shall be in accordance with the standards of the National Fire Protection Association (NFPA) pamphlet #13.
3. Installation of sprinklers in areas with exposed ceilings shall be standard brass upright heads.
4. Provide one 4" riser complete with backflow, control valve, shot gun check valve, pressure gauges, electric bell (wired by others), main drain, and flow and tamper switches for the CLS building located as shown on the bid documents.
5. A standard brass siamese fire department connection complete with caps and wall plate to be located next to the fire riser for the CLS building.
6. Piping provided in this proposal is Schedule 40 for main and branch line piping. All piping is NFPA and UL approved.

Albuquerque, NM

Austin, TX

Boise, ID

Colorado Springs, CO

Dallas, TX

Decatur, IL

Denver, CO

El Paso, TX

Ft. Collins, CO

Glenwood Springs, CO

Houston, TX

Kansas City, KS

Las Vegas, NV

Los Angeles, CA

Missoula, MT

Phoenix, AZ

Portland, OR

Rapid City, SD

Sacramento, CA

San Antonio, TX

Seattle, WA

Spokane, WA

St. Louis, MO

Tucson, AZ

Re: Automatic Fire Protection for Chandler OBRF Polymer Storage

Albuquerque, NM

Austin, TX

Boise, ID

Colorado Springs, CO

Dallas, TX

Decatur, IL

Denver, CO

El Paso, TX

Ft. Collins, CO

Glenwood Springs, CO

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Portland, OR

Rapid City, SD

Sacramento, CA

San Antonio, TX

Seattle, WA

Spokane, WA

St. Louis, MO

Tucson, AZ

QUALIFICATIONS:

1. Western States Fire Protection to begin work at the existing systems.

EXCLUSIONS:

1. State and city sales tax.
2. Performance and payment bond.
3. Electrical wiring and connections.
4. Painting or labeling of pipe.
5. Underground fire lines or related equipment.
6. Fire extinguisher cabinets and extinguishers.
7. Head guards.
8. Fire Alarm system or devices.

ALTERNATES:

1. To eliminate the backflow and F.D.C. on the CLS building **Deduct: \$4,800.00**

Re: Automatic Fire Protection for Chandler OBRF Polymer Storage

“Due to the existing pandemic involving COVID-19 and the constantly evolving situation, which includes shut downs of definite and indefinite durations by the federal, state, and local governments, quarantines, business shut downs, transportation interruptions, disruptions in the supply chain of certain materials, supplies, or equipment, disruptions to public services, temporary suspensions of work on site, or the unavailability or reduced availability of manpower, the parties agree that if Subcontractor (WSFP) is hindered, prevented or delayed at any time in the commencement or progress of the work for a cause arising from or related to COVID-19, including but not limited to any of the examples above, Subcontractor shall be entitled to an extension of the Contract time. Furthermore, Subcontractor shall be entitled to additional compensation for increased costs associated with the high demand for specified materials, for increased costs associated with any proposed substitute approved by Contractor or Owner, or any other similar cost increase outside the control of Subcontractor.”

PLEASE NOTE: This proposal is based on current material prices. However, due to volatility in the steel market sudden price increases may occur. In the event of a “material” increase in pipe, fitting and/or component pricing between the date of this Proposal and the date our design is complete and approved and the order for materials and price can be locked in whether due to delay or other economic factors, through no fault of National Fire Suppression, an equitable adjustment will be added to our contract amount by means of a change order equal to the amount of the “material” increase. A change in price will be considered “material” when the cost of any particular item(s) increase 20% or more from the date of this proposal to the date of material purchase. This proposal is valid for 30 days.

Thank you for the opportunity to make this presentation, and we look forward to working with you.

Sincerely,
Mike Naragon
Mike Naragon
Pre-Construction- Estimating

Albuquerque, NM

Austin, TX

Boise, ID

Colorado Springs, CO

Dallas, TX

Decatur, IL

Denver, CO

El Paso, TX

Ft. Collins, CO

Glenwood Springs, CO

Houston, TX

Kansas City, KS

Las Vegas, NV

Los Angeles, CA

Missoula, MT

Phoenix, AZ

Portland, OR

Rapid City, SD

Sacramento, CA

San Antonio, TX

Seattle, WA

Spokane, WA

St. Louis, MO

Tucson, AZ

QUOTATION

DENIOS, Inc.
1152 Industrial Blvd.
Louisville, KY 40219
Phone: 502-813-2832
Email: ahughes@denios-us.com



Date	4/21/2020
Quote #	Q2104120AZ-PCL-AH

This quotation is only valid for 30 days from date of quote.

Sold To:		Ship To:	
	PCL Constuction, Inc		
	1711 W. Greentree Drive, Suite #201		85284
	Tempe, AZ 85284		
Attn:	Michael Cox	Notes:	If the project being quoted is located in the states of California, Kentucky, Illinois, North Carolina or Ohio, the customer is responsible for all imposed sales tax. If no tax exemption certificate is provided, the appropriate sales tax amounts will be added to the final invoice. If the project being quoted is located in any other state, DENIOS US will not collect the State sales tax. It is the Customer's responsibility to report the sales and taxes to the proper State taxation authorities.
Phone:	480-535-7593		
E-mail:	mtcox@pcl.com		

Sheet #	Sales Person	Job #	Ship Date	Delivery Date	Freight Terms	Paint Color
1	Alan Hughes		TBD	Unknown	Ex-Works Loaded	TBD

Line #	Model #	Quantity	Unit of Measure	Description	Unit Price	Total
1	K17-1957-W	1		IBC Tote Stand - External 52" Width x 52" Depth x 36" Height	\$ 1,125.00	\$ 1,125.00
2	K17-1958-W	1		IBC Tote Stand - External 52" Width x 52" Depth x 48" Height	\$ 1,275.00	\$ 1,275.00
3						\$ -
4						\$ -
5						\$ -
6	K34-4610-W	2		IBC Tote Storage Rack & Spill Containment Pallet Combination - 4 IBC Totes - 2 Tiers - Load Capacity Upper Rack lbs - 10,000lbs	\$ 4,275.00	\$ 8,550.00
7					\$ -	\$ -
8					\$ -	\$ -
9					\$ -	\$ -
10					\$ -	\$ -
11					\$ -	\$ -
12					\$ -	\$ -

****COVID-19 Pandemic, Note: All lead times are subject to change****

*****It is the client's responsibility to ensure that shipments are able to be received onsite. Please contact Sales to advise of any delays, @ 800-216-7776 opt-1.*****

All pricing is subject to DENIOS, Inc. - Terms & Conditions. Payment & Shipping Terms, below:

All Orders less than \$2,500.00 require Credit Card Payment.
Upon Credit Approval, orders over \$2,500.00 require: 50% down payment and 50% Net 30 prompt final payment terms.
All orders are assumed EXW-Loaded Incoterm unless otherwise negotiated prior to order acceptance.

Freight and Taxes are to be accrued by the customer, assumed as estimates and subject to change at final invoice.

Sub-Total	\$ 10,950.00
Estimated Freight	\$ 3,463.35
Estimated Sales Tax	\$ -
Total	\$ 14,413.35

By signing this document you are accepting DENIOS, Inc. Standard Terms and Conditions as well as the quoted pricing provided herewithin. X:

Address 1900 Polaris Parkway
Columbus, OH 43240-4035
Phone (800) METTLER
(800) 638-8537

www.mt.com

Quotation 321770024

PCL Construction
Michael Cox
1711 Greentree Dr
Ste 200
Tempe, AZ 85284

Sales Representative

Mr. Joseph Wilt
Mobile +1 (614) 398 8693
E-Mail joseph.wilt@mt.com

Dear Michael Cox,

Thank you for choosing METTLER TOLEDO. As a world-leading manufacturer of high precision products, our goal is to make measurement as simple as possible. In addition, METTLER TOLEDO provides a wide range of products designed to help users save time and money, as well as improve accuracy and reliability.

METTLER TOLEDO seeks to provide you, our valued customer, with an optimal solution to your application, process and business demands. From the onset of your immediate or long-term project needs, we are available as a resource to help specify and select quality measurement systems and software products appropriate to your application. For METTLER TOLEDO, our solutions represent a valuable combination of performance, accuracy and precision. In addition, our field service organization is comprised of factory-certified technicians who are trained to meet high quality standards. You can also log on to www.mt.com for up-to-date application and operation details.

We are pleased to send you our quote and are certain this solution will meet your needs and expectations. Please do not hesitate to contact us with any further questions.

Thank you for your business.

Joseph Wilt
Account Manager EMEM

METTLER TOLEDO





Mettler-Toledo, LLC

Address 1900 Polaris Parkway
Columbus, OH 43240-4035
Phone (800) METTLER
(800) 638-8537

www.mt.com

Quotation 321770024

Sold-To / 300563804

PCL Construction
1711 Greentree Dr
Ste 200
Tempe, AZ 85284

Customer Contact

Name Michael Cox
Phone +1 (480) 353 8761
E-Mail mtcox@pcl.com

Ship-To / 300563804

PCL Construction
1711 Greentree Dr
Ste 200
Tempe, AZ 85284

Bill-To / 300563804

PCL Construction
1711 Greentree Dr
Ste 200
Tempe, AZ 85284

Item	Description	Product ID	Qty Unit	Price Per Unit	Total USD
10	Floor Scale PFA589 US11 SCK: PFA58901RP6E4B600S Approx. lead time excluding transport: 10 working days, shipping from: Columbus (Ohio, US)	30597850	1 EA	1.00	6,225.00
	10m			49.00	
	Standard AJB459			155.00	
	SS 5K 48x48			5,610.00	
	Rocker Foot - 0745A			410.00	
	Model: PFA589				
	Application: Safe Area				
	Configuration: Static 1 Platform				
	Capacity: 2500 lb				
	Platform: 48x48				
	Resolution: 5000d				
	Material: Stainless Steel Smooth Plate				
	Suspension: Rocker Foot - 0745A				
	Scale Interface (J-Box): Standard AJB459				
	Home Run Cable: 10m				
	Terminal: No Terminal				
	Other (Ramp Arrangement): None				
	Order Type (ETO Standard): Standard				

METTLER TOLEDO

Quotation 321770024

Item	Description	Product ID	Qty Unit	Price Per Unit	Total USD
20	Weighing Terminal IND331 IND331 Process Weigh.Term. SCK: 33H100000A00A00 Approx. lead time excluding transport: 1 working day, shipping from: Worthington (Ohio, US) IND331, Harsh, Analog Analog Output Base Model: IND331, Harsh, Analog Local I/O: No Option Connectivity: Analog Output Power Option: 120 VAC, North American Plug Scale : Analog;max. 1 scale Communication (Optional) : DeviceNet;Discrete I/O;PROFIBUS DP;RS485 Voltage : 24 VDC Version;AC Version	64088572	1 EA	1,380.00 70.00 490.00	1,940.00
	Communication : RS232 Mounting Flexibility : Column;Desk;Panel;Wall Display : Graphic OLED				

**Weigh-Comply-Control-Connect
Operator-friendly display**

This harsh/desk/wall-mount unit has an OLED graphic display with 12mm tall characters for easy wide-angle viewing.

Backup and restore utility

The SD memory card utility allows easy backup and restore of setup information along with the convenience of portability.

Calibration from PLC

Choose from traditional, Step, CalFREE™ calibration methods or the new calibration from PLC feature to eliminate operator error.

For more Details:
www.mt.com/ind331



Base Model: IND331, Harsh, Analog

Voltage : 24 VDC Version
Load Cell : 350 Ω analog load cells; 1 to 4
Sensitivity (Minimum/Approved) : 0.1 μ V / 0.6 μ V

Dimensions (DxHxW) : 123 mm x 68 mm x 168 mm
Displayed Resolution : 100'000 d (max)
A/D Update Rate : 366 Hz

**Weigh-Comply-Control-Connect
Remote or integrated display**

The panel-mount unit is capable of having the display mounted up to 15m (50') away from the base unit.

Backup and restore utility

The SD memory card utility allows easy backup and restore of setup information along with the convenience of portability.

Calibration from PLC

Choose from traditional, Step, CalFREE™ calibration methods or the new calibration from PLC feature to eliminate operator error.

For more Details:
www.mt.com/IND331

Mettler-Toledo, LLC

Address 1900 Polaris Parkway
Columbus, OH 43240-4035
Phone (800) METTLER
(800) 638-8537
www.mt.com

Quotation 321770024

Item	Description	Product ID	Qty	Unit	Price Per Unit	Total USD
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Quotation 321770024

Item	Description	Product ID	Qty Unit	Price Per Unit	Total USD
30	Weighing Terminal IND331 IND331 Process Weigh.Term. SCK: 33P100000A00300 Approx. lead time excluding transport: 1 working day, shipping from: Worthington (Ohio, US)	64088572	1 EA	1,380.00	1,870.00
	Analog Output			490.00	
	Base Model: IND331, Panel, Analog				
	Local I/O: No Option				
	Connectivity: Analog Output				
	Power Option: 24VDC, No Plug				
	Scale : Analog;max. 1 scale				
	Communication (Optional) : DeviceNet;Discrete I/O;PROFIBUS DP;RS485				
	Voltage : 24 VDC Version;AC Version				
	Communication : RS232				
	Mounting Flexibility : Column;Desk;Panel;Wall				
	Display : Graphic OLED				

Weigh-Comply-Control-Connect Operator-friendly display

This harsh/desk/wall-mount unit has an OLED graphic display with 12mm tall characters for easy wide-angle viewing.

Backup and restore utility

The SD memory card utility allows easy backup and restore of setup information along with the convenience of portability.

Calibration from PLC

Choose from traditional, Step, CalFREETM calibration methods or the new calibration from PLC feature to eliminate operator error.

For more Details:
www.mt.com/ind331



Base Model: IND331, Panel, Analog

Voltage : AC Version;Universal power supply (85-264 VAC)
 Load Cell : 1 to 8;350 Ω analog load cells
 Sensitivity (Minimum/Approved) : 0.1 μ V / 0.6 μ V

Dimensions (DxHxW) : 123 mm x 68 mm x 168 mm
 Displayed Resolution : 100'000 d (max)
 A/D Update Rate : 366 Hz

Weigh-Comply-Control-Connect Remote or integrated display

The panel-mount unit is capable of having the display mounted up to 15m (50') away from the base unit.

Backup and restore utility

The SD memory card utility allows easy backup and restore of setup information along with the convenience of portability.

Calibration from PLC

Choose from traditional, Step, CalFREETM calibration methods or the new calibration from PLC feature to eliminate operator error.

Up to 4-350 Ohm LCs approved for LFT applications in EU

For more Details:



Mettler-Toledo, LLC

Address 1900 Polaris Parkway
Columbus, OH 43240-4035
Phone (800) METTLER
(800) 638-8537
www.mt.com

Quotation 321770024

Item	Description	Product ID	Qty	Unit	Price Per Unit	Total USD
	www.mt.com/IND331					
		Raw Material Surcharge				498.00
		Total excl. tax				10,533.00

Print Date 04/23/2021
Customer 300563804
Page 7 of 7

Mettler-Toledo, LLC

Address 1900 Polaris Parkway
Columbus, OH 43240-4035
Phone (800) METTLER
(800) 638-8537

www.mt.com

Quotation 321770024

Terms and Conditions

Payment Terms
Incoterms 2020
Quotation Valid Until
Ordering costs
Prices and Taxes
General Conditions

Due 30 Days from Invoice Date

FCA MT Columbus/Worthington

05/23/2021

Shipping charges are not included.

State and local taxes are not included.

This quotation is expressly subject to the METTLER TOLEDO Standard Terms and Conditions of Sale, which can be accessed at www.mt.com/terms and are incorporated herein by reference. MT may require a down payment that is due at order placement and any other payments are due net 30 calendar days from the date of invoice. Prices may be adjusted at the time of performance to include any necessary surcharge(s).

Return Policy:

This quotation is expressly subject to the METTLER TOLEDO Return Policy, which can be accessed at www.mt.com/legal and is incorporated herein by reference.

METTLER TOLEDO





A-Core Concrete Cutting, Inc. | 605 S Drew St. Mesa, AZ 85210 | Phone# (480) 964-8662
 Fax# (480) 964-8696 | Toll Free# (888) 846-7070 | License# ROC196637 CR-5
 www.a-core.com

Customer

Name: PCL CONTRACTING
Address: 1711 W. GREENTREE
 PHOENIX, AR 85041
Phone#: (602) 501-3382
Contact Name: MICHAEL COX **Phone#:** (480) 353-8761
Email: mtcox@pcl.com

Quoted By

Name: David Riley **Date:** 4/21/2021
Phone#: (480) 797-9629
Email: davidr@a-core.com
A-Core Job#:
Addenda:

Job Information

Job Name: BELT PRESS OLD PRICE RD. **RFQ#:** **Customer PO#:**
Job Location: 3737 S. OLD PRICE RD **Project#:** **Customer Job#:**
City: CHANDLER **State:** Arizona **Bid Due Date:** 4/21/2021

Scope Of Work

Quantity	Unit Type	Description of Work	Unit Price
	ea	WIRE SAW 11 BY 11 MECH. PAD MINUS 3 FT EACH CORNER 109 SQ FT OF CUTTING	\$11,990.00
	ea	WALL SAW 34 LN. FT AT 8" CONCRETE WALL 7" DOWN FROM THE TOP	\$1,088.00
		ALL LAYOUTS MUST BE DONE BY CONTRACTOR	
		TOTAL 13,078.00	

Total

General Terms & Conditions

This document is to be accepted within 45 days; otherwise, price is subject to change.

- Protection of existing conditions by others.
- If we hit extra heavy amounts of rebar/steel or anything else unforeseen buried in the concrete that would cause excessive wear or damage to our diamond bits, blades or equipment, we will charge you accordingly for this.
- A-Core Inc. will not be responsible for repairs from cutting buried utilities or structures.
- Contractor is responsible for all layout of cut lines & holes.
- Overtime will be charged for work over 8 hrs per day, nights, after 5 pm and Saturdays
- Double time will apply for work on Sundays and holidays.
- If job does not start on start date, price will change.
- Any added work or change order work will not be done without signed and dated authorized change order, regardless of job schedule.
- Price subject to change if conditions and scope on job vary from this quotation
- If a bond is required there will be a 3% charge of the bond amount
- A-Core Payments terms are Net 30 with 0% retention
- A-Core reserves the right to have an escalation clause as part of this estimate
- THIS SUBCONTRACT IS CONTINGENT ON A LACK OF IMPACT BY THE CORONAVIRUS NATIONAL EMERGENCY. Given the existence of the coronavirus pandemic, A-Core will use its best efforts to staff and supply this project to meet the scheduled completion date. However, A-Core reserves its right to seek an excusable extension of time if A-Core or its subcontractors and suppliers are unable to maintain planned crew sizes due to the illness, supply shortages or governmental restraints on business, travel and/or assembly. To the extent that the project is suspended pursuant to the terms of the purchase order/subcontract, A-Core intends to seek additional costs associated with the suspension.

Job Exclusions

- All layout to be completed by contractor
- All shoring to be installed and provided by contractor (when applicable)
- X-Raying or scanning by contractor or can be provided by A-Core at an additional charge
- All traffic control, barricades, message boards etc. is to be provided by Contractor
- Any slurry/water control to be provided by & disposed of by Contractor
- Any standby time waiting for access, layout, traffic control, engineer's decision, plant operations, etc., will be charged at an hourly rate
- Contractor to provide all Blue staking & add A-Core Inc. as a duplicate permit holder/rental agreement
- Contractor to provide all access via scaffold, lifts, hoists, etc. to work areas when applicable

Special Instructions

WIRES SAW THE TOP OF MECH PAD 17" DOWN FROM TOP CONCRETE IS 11 FT THICK , WALLSAW 34 LN FT OF 8" CONCRETE

Accepted By (Customer)

Signature: _____
Date: _____

A-Core Concrete Specialists

Signature: David Riley
Date: 4/21/2021

Montana (406) 388-9513	Murray (801) 261-5552	New Mexico (505) 873-6561	Texas (817) 564-0188	Twin Falls (208) 734-5664	Washington (509) 582-1676
Arizona (480) 964-8696	Boise (208) 384-0500	Colorado (720) 899-4899	Idaho Falls (208) 523-3930	Missoula (406) 543-2305	
Service ◆	Demolition ◆	Joint Saw & Seal ◆	Grinding & Grooving ◆	Concrete Pouring	

EQUIPMENT

Equipment	Bluebook Rates (\$/hr)
4x2 1/2 TN Crew Truck Gas	\$11.66
60lb Hammer	\$1.26
8,000lb Reach Forklift	\$63.12
Cat 420 Backhoe	\$48.51
Air Compressor	\$16.04
Scissor Lift	\$9.53
Manual Compactor	\$21.55
Portable Generator (6500 Watt)	\$57.00

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

Rental Rate Blue Book®

March 31, 2021

Miscellaneous 4X2 1/2 143 CREW GAS
On-Highway Light Duty Trucks

Size Class:
100 - 199 HP
Weight:
4500 lbs

Configuration for 4X2 1/2 143 CREW GAS

Axle Configuration	4X2	Cab Type	Crew
Horsepower	143.0	Power Mode	Gasoline
Ton Rating	1/2		

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 \$620.00	USD \$175.00	USD \$44.00	USD \$7.00	USD \$8.14	USD \$11.66
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$620.00	USD \$175.00	USD \$44.00	USD \$7.00	USD \$8.14	USD \$11.66

Non-Active Use Rates

Standby Rate	Hourly	USD \$2.50
Idling Rate		USD \$9.20

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	57%	USD \$353.40/mo
Overhaul (ownership)	29%	USD \$179.80/mo
CFC (ownership)	3%	USD \$18.60/mo
Indirect (ownership)	11%	USD \$68.20/mo
Fuel (operating) @ USD 2.09	70%	USD \$5.68/hr

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)

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

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(cyakubow@pcl.com)

Rental Rate Blue Book®

April 22, 2021

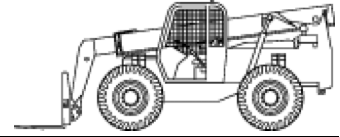
Manitou MLT 840 145 PS

Telescoping Boom Rough Terrain Lift Trucks

Size Class:

4.0 - 4.4 MTons

Weight:

N/A

Configuration for MLT 840 145 PS

Base Capacity	9000 lbs	Horsepower	141 hp
Maximum Lift Height	297 in	Maximum Reach	175 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 \$6,085.00	USD \$1,705.00	USD \$425.00	USD \$64.00	USD \$28.55	USD \$63.12
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$6,085.00	USD \$1,705.00	USD \$425.00	USD \$64.00	USD \$28.55	USD \$63.12

Non-Active Use Rates

	Hourly
Standby Rate	USD \$14.52
Idling Rate	USD \$44.58

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	USD \$2,008.05/mo
Overhaul (ownership)	58%	USD \$3,529.30/mo
CFC (ownership)	2%	USD \$121.70/mo
Indirect (ownership)	7%	USD \$425.95/mo
Fuel (operating) @ USD 2.53	35%	USD \$10.01/hr

Revised Date: 1st half 2021

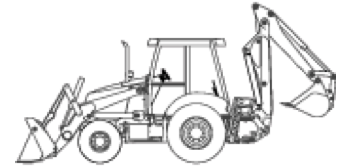
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(cyakubow@pcl.com)

Rental Rate Blue Book®

April 22, 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 \$4,645.00	USD \$1,300.00	USD \$325.00	USD \$49.00	USD \$22.12	USD \$48.51
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$4,645.00	USD \$1,300.00	USD \$325.00	USD \$49.00	USD \$22.12	USD \$48.51

Non-Active Use Rates

	Hourly
Standby Rate	USD \$13.46
Idling Rate	USD \$35.53

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	USD \$1,765.10/mo
Overhaul (ownership)	49%	USD \$2,276.05/mo
CFC (ownership)	4%	USD \$185.80/mo
Indirect (ownership)	9%	USD \$418.05/mo
Fuel (operating) @ USD 2.53	41%	USD \$9.14/hr

Revised Date: 1st half 2021

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(cyakubow@pcl.com)

Rental Rate Blue Book®

March 31, 2021

Ingersoll Rand P185WIR (disc. 2008)
Portable Rotary Screw Air Compressors

Size Class:
125 - 249 cfm
Weight:
2325 lbs

Configuration for P185WIR (disc. 2008)

Air Delivery Rating **185.0 cu ft/min** Horsepower **65.0**
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 \$980.00	USD \$275.00	USD \$69.00	USD \$10.00	USD \$10.47	USD \$16.04
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2008: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$980.00	USD \$275.00	USD \$69.00	USD \$10.00	USD \$10.47	USD \$16.04

Non-Active Use Rates

	Hourly
Standby Rate	USD \$1.95
Idling Rate	USD \$11.48

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$264.60/mo
Overhaul (ownership)	65%	USD \$637.00/mo
CFC (ownership)	2%	USD \$19.60/mo
Indirect (ownership)	6%	USD \$58.80/mo
Fuel (operating) @ USD 2.53	56%	USD \$5.91/hr

Revised Date: 1st half 2021

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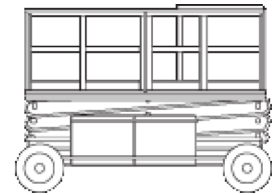
The equipment represented in this report has been exclusively prepared for CRAIG YAKUBOW
(cyakubow@pcl.com)

Rental Rate Blue Book®

April 22, 2021

JLG 2658E (disc. 1999)
Electric Self Propelled Scissor Lifts

Size Class:
21 - 30 ft
Weight:
4050 lbs


Configuration for 2658E (disc. 1999)

Maximum Platform Capacity	1000.0 lbs	Maximum Platform Height	312.0 in
Platform Size	54' X 94' - 130'	Power Mode	Electric
Voltage	24.0 V		

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 \$710.00	USD \$200.00	USD \$50.00	USD \$8.00	USD \$5.50	USD \$9.53
Adjustments						
Region (100%)	-	-	-	-		
Model Year (1999: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$710.00	USD \$200.00	USD \$50.00	USD \$8.00	USD \$5.50	USD \$9.53

Non-Active Use Rates

	Hourly
Standby Rate	USD \$2.54
Idling Rate	USD \$4.03

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	USD \$362.10/mo
Overhaul (ownership)	37%	USD \$262.70/mo
CFC (ownership)	4%	USD \$28.40/mo
Indirect (ownership)	8%	USD \$56.80/mo

Fuel cost data is not available for these rates.

Revised Date: 1st half 2021

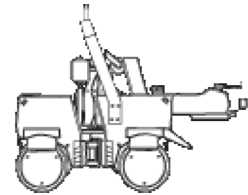
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(cyakubow@pcl.com)

Rental Rate Blue Book®

April 22, 2021

Ingersoll Rand DX700E (disc. 2007)
 Manually Guided Vibratory Compactors

 Size Class:
To 899 Kg
 Weight:
1635 lbs

Configuration for DX700E (disc. 2007)

Drum Type	Smooth	Drum Width	25.5'
Number Of Drums	2.0	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 \$2,305.00	USD \$645.00	USD \$160.00	USD \$24.00	USD \$8.45	USD \$21.55
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2007: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,305.00	USD \$645.00	USD \$160.00	USD \$24.00	USD \$8.45	USD \$21.55

Non-Active Use Rates

	Hourly
Standby Rate	USD \$5.37
Idling Rate	USD \$13.78

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	32%	USD \$737.60/mo
Overhaul (ownership)	59%	USD \$1,359.95/mo
CFC (ownership)	2%	USD \$46.10/mo
Indirect (ownership)	7%	USD \$161.35/mo
Fuel (operating) @ USD 2.53	8%	USD \$0.68/hr

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.

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 (cyakubow@pcl.com)



You're shopping
Tempe ✓
○ **OPEN** until 9 pm

Delivering to
85284 ✓

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Feedback

Internet #309004501 Model #EG6500CLAT-WK-653161 Rental Category #03 Rental Subcategory #308

6500 Watt Generator Rental
by **Honda Power Equipment**

- Ideal for Pro tools like circular saws, drills and air compressors
- Power for large appliances and big job sites
- Voltage selector allows you to switch between 120 and 240 volts, maximizing power output
- [See More Details](#)

Rental Pricing for Tempe #458

Exact pricing will be determined at the store.

\$57⁰⁰
4-Hours

\$82⁰⁰
Per Day

\$328⁰⁰
Per Week
3 Days FREE

\$984⁰⁰
4 Weeks
12 Days FREE

- This tool requires a **\$350.00 deposit** due at pickup and payable by credit card only.
- A **valid Photo ID** is required upon pickup to rent this tool.
- This tool may require accessories.

How To Get It

Your nearest Rental center is:

0 currently in stock at Tempe #0458
725 W Warner Rd, Tempe, AZ, 85284

Rental: (480)496-9700

[Check Nearby Stores](#)



Product Overview



- Ideal for Pro tools like circular saws, drills and air compressors

Internet #309004501 Model #EG6500CLAT-WK-653161 Rental Category #03 Rental Subcategory #308

[Info & Guides](#)

Specifications

ATTACHMENT A

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

Craft Classification	PCL Standard Rates(\$/hr)
Foreman	\$ 54.32
Skilled Labor	\$ 38.21
Unskilled Labor	\$ 30.45
Operator (Blade, Crane)	\$ 52.78
Operator (Loader)	\$ 41.21
Operator (Excavator)	\$ 49.26
Operator (CDL)	\$ 38.10
Pipe Layer(lead)	\$ 47.52
Pipe Layer(backup)	\$ 41.98
Concrete Finisher	\$ 41.68
Carpenter	\$ 40.53

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

WW2001.402 - OBRF POLYMER BUILDINGS

-A-	-B-			-C-	-D-	-E-	-F-	-G-		-H-
Item No.	Description of Work	Unit	Unit Price	Original Schedule Value	Previous Application	This Period	Stored Materials	Total To Date	%	Balance To Finish
	Preconstruction Services									
1	Preconstruction Services	1	LS	5,000	0	0.00	0	0.00	0%	5,000
2	Construction Services									
3	Mobilization	1	LS	10,000	0	0.00	0	0.00	0%	10,000
4	Demolition	1	LS	85,829	0	0.00	0	0.00	0%	85,829
5	Site Work	1	LS	160,000	0	0.00	0	0.00	0%	160,000
6	Buildings	1	LS	250,000	0	0.00	0	0.00	0%	250,000
7	HVAC	1	LS	50,000	0	0.00	0	0.00	0%	50,000
8	Plumbing	1	LS	60,000	0	0.00	0	0.00	0%	60,000
9	Painting	1	LS	20,000	0	0.00	0	0.00	0%	20,000
10	Fire Protection	1	LS	50,000	0	0.00	0	0.00	0%	50,000
11	Electrical	1	LS	130,000	0	0.00	0	0.00	0%	130,000
12	General Conditions	1	LS	175,000	0	0.00	0	0.00	0%	175,000
	Allowances									
13	Owner's Allowance	1	LS	92,611	0	0.00	0	0.00	0%	92,611
	TOTALS			1,088,440	0	0	0	0	0%	1,088,440

COC OBRF Facility Upgrade

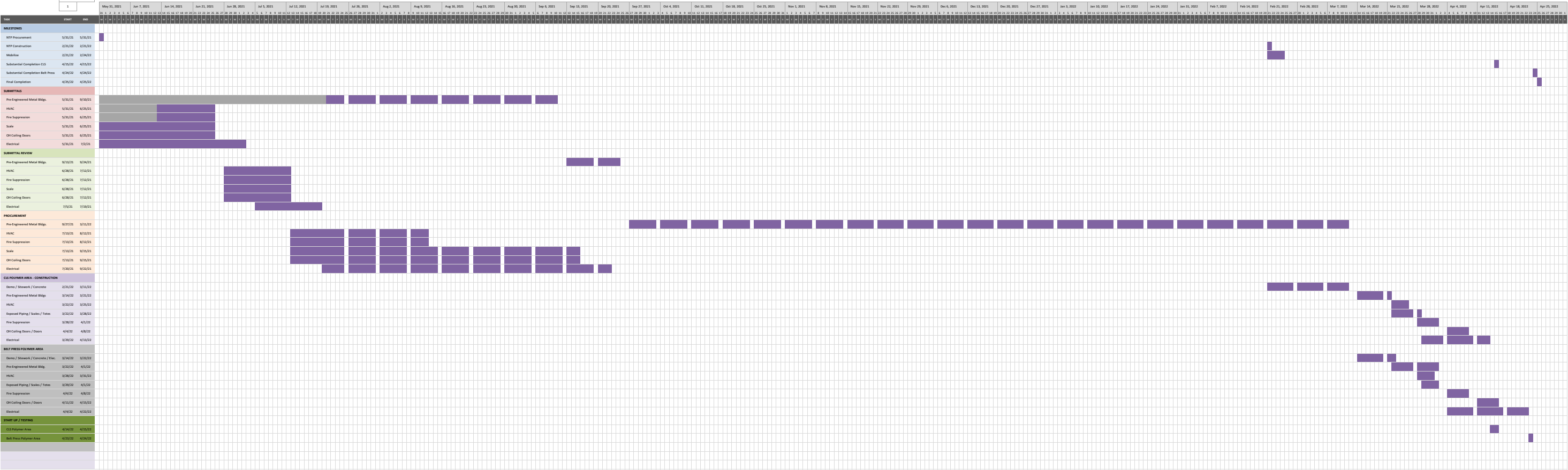
SNAP!E GANTT CHART By Vertex42.com
https://www.vertex42.com/Software/snape-engineering-gantt-chart.html

PL

Project Lead

Mon, 5/12/2021

1



SNAP!E Gantt Chart - Vertex42.com

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 **OCOTILLO BRINE REDUCTION FACILITY POLYMER STORAGE BUILDINGS, WW2001.401** 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__.

AGENT OF RECORD

PRINCIPAL SEAL

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 **OCOTILLO BRINE REDUCTION FACILITY POLYMER STORAGE BUILDINGS, WW2001.401** 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: **OCOTILLO BRINE REDUCTION FACILITY POLYMER STORAGE BUILDINGS**

Project No.: **WW2001.401**

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: **OCOTILLO BRINE REDUCTION FACILITY POLYMER STORAGE BUILDINGS**
Project No.: **WW2001.401**

(TO BE COMPLETED BY CONTRACTOR)

I HEREBY CERTIFY THAT ALL GOODS AND/OR SERVICES REQUIRED BY CITY OF CHANDLER PROJECT NO. **WW2001.401** 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