



**TASK
AUTHORIZATION**



Richmond WWTP Sludge Thickener Project - Phase 1

Date: May 13, 2021

**Activity Classification
(Check applicable)**

Administration	<input type="checkbox"/>
Engineering	<input type="checkbox"/>
Planning	<input type="checkbox"/>
Design	<input type="checkbox"/>
Construction	<input type="checkbox"/>
Construction	<input checked="" type="checkbox"/>
Sanitary Sewer	<input checked="" type="checkbox"/>
Storm Sewer	<input type="checkbox"/>
Sanitary P.S.	<input type="checkbox"/>
Storm P.S.	<input type="checkbox"/>
Wastewater	<input type="checkbox"/>
Other (specify below)	<input type="checkbox"/>

VWNA Project #: 07029/C069

Proposed by: Chandrasekar Venkatraman, Veolia Water West Oper. Serv.

Reviewed by: Brian K. Bruce, Veolia Water West Operating Services

Reviewed by: Mary Phelps, Authorized City Dept. Rep. (PO verification)
Adopted by City Council 06/15/2021

Reviewed by: Resolution No 72-21
City of Richmond, Finance Department

Approved by: Joe Leach, City of Richmond, Public Works Director

Approval Date: 7/1/2021

Original Line Item Approved Cost:	\$	449,242
Approved Markup/Margin	\$	74,125
Total Authorized Amt.:	\$	523,367

Previously Authorized Amount: \$0.00

Scope of Services

The City of Richmond has historically utilized a dissolved air flotation thickener (DAFT) to thicken waste activated sludge (WAS) generated by the secondary treatment process prior to digestion and further treatment at the Wastewater Treatment Plant (WWTP). In recent years, the DAFT has become increasingly unreliable and has been taken out of service for emergency repairs on several occasions. The repairs have been costly; and the DAFT is currently undergoing extensive repairs and has been out of service for several months. While out of service during the upcoming Critical Improvements Project, the City and Veolia have solicited proposals to perform onsite thickening of the solids on a contract basis.

The purpose of the Richmond WWTP Sludge Thickener Project is to remove and replace the aging and unreliable DAFT with efficient, reliable sludge thickener facilities compatible with the WWTP's current and future treatment processes. The City and Veolia decided to bid the project in two phases; (1) Phase I as a design/build project with the plan that the selected design build entity (DBE) would be responsible for the design, construction, testing, and start-up of the new thickener facilities. The DBE will also be responsible for training Veolia staff on the new facilities and obtaining all approvals and permits required by local, state, and federal agencies to construct and implement the Project. Veolia will be providing project management and construction management services for the Project. (2) Phase II construction will be bid at a later date.

The project bid specifications were sent to two DBE entities. Two DBE submitted cost proposals in response to the RFP issued in September 2020. The proposals were reviewed by the City of Richmond Public Works and Veolia staff, and the lowest responsive bidder was determined to be Myers & Sons in the amount of \$449,242 (see attached). With Veolia's 16.5% markup, the total authorization amount for both the DBE (Phase I) is \$523,367.

Contractor Bid			Veolia Markup 16.50%	TOTAL
Myers & Sons, Inc. - Phase I	449,242	-	74,125	523,367
TOTAL	449,242	-	74,125	523,367

Attachments

Copy of Contractor's bid proposal 3/5/21

PROPOSAL FORM
(ATTACHMENT A)
INVITATION TO BID
DESIGN BUILD SERVICES FOR THE RICHMOND WWTP
SLUDGE THICKENER PROJECT
LOCATED IN RICHMOND, CA

To: Veolia Water West Operating Services, Inc.
Municipal & Commercial Business
Richmond WWTP Sludge Thickener Project
601 Canal Boulevard, Richmond, CA 94804

Submitted By:

Myers & Sons Construction, LLC
(Legal Name)

4600 Northgate Blvd, Suite 100
(Street Address)

Sacramento, CA 95834
(City, State, and Zip Code)

(916) 283-9950
(Phone)

March 5th, 2021
(Date of Quotation)

1. This Proposal Form shall be completed and submitted as required in the Returnable section of this Request for Proposal to Veolia Water West Operating Services, Inc.
2. This proposal is submitted in accordance with this Request for Proposals RFP for the Design-Build of the Richmond WWTP Sludge Thickener Project in Richmond, CA.
3. Shipping Cost and Sales Tax – The equipment, chemicals, consumables and other supplies and services provided and used in the performance of the contract shall include all shipping costs and sales taxes imposed by any governmental body.
4. Certified payroll and prevailing wages are required as a part of this project and shall be submitted with all progress payments that are due each month.
5. In conformance with the current statutory requirements of California Labor Code Section 1860, et seq., the undersigned confirms the following as its certification:

I am aware of the provisions of Section 3700 of the Labor Code, which require every employer to be insured against liability for worker's compensation, or to undertake self-insurance in accordance with the provisions, before commencing the performance of the Work of this Contract.

6. Notice to Proceed

A Notice to Proceed will not be issued until Authorization is received from the City of Richmond. Contractor shall commence performance of the work only upon the full execution of the Subcontract Agreement with Veolia Water West Operating Services, Inc. Upon receipt of executed contract and a written Notice to Proceed (NTP), the Contractor shall promptly commence Work, shall prosecute the Work diligently and shall complete all Work within the agreed upon schedule duration.

7. For the purposes of the proposal, the Contract Documents and scope of work shall include all documents and information included as part of this Request for Proposal, including any and all attachments or referenced documents.

8. Addenda

The Bidder hereby acknowledges and initials receipt of the following issues of addenda, if any, distributed by Veolia Water West Operating Services, Inc.

Addendum No.:	_____	Dated	_____	Initialed	_____
	1		9/25/20	Receipt	_____
Addendum No.:	_____	Dated	_____	Initialed	_____
	2		12/22/20	Receipt	_____
Addendum No.:	_____	Dated	_____	Initialed	_____
				Receipt	_____
Addendum No.:	_____	Dated	_____	Initialed	_____
				Receipt	_____
Addendum No.:	_____	Dated	_____	Initialed	_____
				Receipt	_____
Addendum No.:	_____	Dated	_____	Initialed	_____
				Receipt	_____
Addendum No.:	_____	Dated	_____	Initialed	_____
				Receipt	_____

If any additional addendum were issued, note on separate sheet.

9. Signatures of Proposal

(If an individual, partnership, or non-incorporated organization)

Signature: N/A _____

(Seal)

Printed Name: _____

Title: _____

Address of Bidder: N/A

Names and addresses of members of firm:

N/A

(If a Corporation)

Legal name of Bidder: Myers & Sons Construction, LLC

By: 

Printed name: Clinton W. Myers

Title of signer: Vice President

Business Address: 4600 Northgate Blvd, Suite 100
Sacramento, CA 95834

Incorporated under the Laws of the State of: California

Names of Officers:

President/Manager: Clinton C. Myers

Address: 4600 Northgate Blvd, Suite 100
Sacramento, CA 95834

Secretary: Clinton W. Myers

Address: 4600 Northgate Blvd, Suite 100
Sacramento, CA 95834

Treasurer: N/A

Address: N/A

SCOPE OF WORK

VEOLIA has a contractual relationship with the City of Richmond, California to manage the operation and maintenance of the City's Wastewater Treatment Plant and its sewer and storm water collection systems, and to manage construction projects to improve the City's wastewater infrastructure. The Richmond WWTP Sludge Thickener Project central goals are to remove and replace the aging and nonoperational dissolved air flotation thickener (DAFT) Facilities with an efficient, reliable sludge thickener compatible with the plant's processes.

A 2016 preliminary study was conducted to determine the most efficient sludge thickening equipment for the new facility. Detailed performance criteria from that study can be found in section 2.4.1.1 Project Background.

Both Gravity Belt Thickeners (GBT) and Rotary Drum Thickeners (RDT) were analyzed. The more attractive of the two in this study were the RDT's. This finding is preliminary and the DBE shall provide independent recommendations for the thickening system equipment, evaluating independently both GBT and RDT.

A determination of the best sludge thickening equipment for the new facility shall include evaluation of the following specific success factors:

- Cost: Providing a complete functional Sludge Thickening Facility that meets the goals of the PROJECT at the lowest practical capital and lifecycle cost, in full compliance with federal, state, and local regulations
- Operations: Producing a Sludge Thickening Facility that is easy, efficient, reliable, and effective to operate.
- Maintenance: Producing a Sludge Thickening Facility that minimizes required maintenance and includes applicable O&M manuals and a recommended preventative maintenance schedule for critical equipment.
- Safety: Designing and building a Sludge Thickening Facility that is safe to construct, operate, and maintain.
- Quality: Taking into account equipment maintenance and replacement, the PROJECT is expected to achieve 30+ year service life in full compliance with environmental requirements, including odor control.

Proposed Lump Sum (from Scope of Work Attachment A) for \$²⁹4,174,492 (in numbers)

~~four million one hundred seventy-four thousand four hundred~~ (in words)
Ninety-two dollars and twenty-nine cents

PHASE I = 449,242⁰⁰

PHASE II = 3,725,250²⁹

NON-COLLUSION AFFIDAVIT
(To be executed by Proposer and submitted with Proposal)

STATE OF CALIFORNIA) ss.
COUNTY OF **Sacramento**)

In accordance with Public Contract Code section 7106, (Name) **Clinton W. Myers**, being first duly sworn, deposes and says that he/she is (Title) **Vice President** of (Company) **Myers & Sons Construction, LLC**, the party making the foregoing bid, that the Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the Proposal is genuine and not collusive or sham; that Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham Proposal, and has not directly or indirectly colluded, conspired, connived or agreed with any Proposer or anyone else to put in a sham Proposal, or that anyone shall refrain from Proposing, and that the Proposer has not in any manner, directly or indirectly, sought by agreement, communication or conference with anyone to fix the Proposal price of Proposer or any other Proposer, or to fix any overhead, profit or cost element of the Proposal price, or of that of any other Proposer, or to secure any advantage against the City of Richmond, a municipal corporation, or anyone interested in the proposed contract; that all statements contained in the Proposal are true; and further, that Proposer has not, directly or indirectly, submitted its Proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham Proposal.

Executed under penalty of perjury under the laws of the State of California:

Corporate Seal:

Name of firm **Myers & Sons Construction, LLC**

Signature _____

Date 3/1/21

NOTE: If Proposer is a partnership or a joint venture, this affidavit must be signed and sworn to by every member of the partnership or venture.

If Proposer [including any partner or venturer of a partnership or joint venture bidder] is a corporation, this affidavit must be signed by the Chairman, President or Vice President and by the Secretary, Assistant Secretary, Chief Financial Officer or Assistant Treasurer.

If Proposer's affidavit on this form is made outside the State of California, the official position of the person taking such affidavit shall be certified according to law.

Subscribed and sworn to this 1st day of March 2021.

NOTARY PUBLIC

Katherine Elsie Ruelas, NOTARY PUBLIC



BID RETURNABLES

REQUEST FOR PROPOSAL
RICHMOND WWTP SLUDGE THICKENER PROJECT
LOCATED IN RICHMOND, CA

Proposer must include with their quotation, in a sealed envelope, three hard copies of the following by 2:00 p.m. on the proposal due date: March 5, 2021

Addressed to:

Veolia Water West Operating Services, Inc.
Municipal & Commercial Business
601 Canal Boulevard
Richmond, CA 94804
DESIGN BUILD SERVICES FOR THE RICHMOND WWTP
SLUDGE THICKENER PROJECT

Bidding Company Name: Myers & Sons Construction, LLC

Date: 3/1/21

1. Proposal Form
2. Non Collusion Affidavit
3. List of Subcontractors
4. Sample Insurance Certificate

Exclusion of any required information may be cause for bid rejection.

LIST OF SUBCONTRACTORS

The Bidder shall list below the names and location of place of business of each subcontractor who will perform work or labor or who will render service to the Prime Contractor in or about the construction of the Work or improvement, or a subcontractor duly licensed who, under subcontract to the Prime Contractor, specially fabricates and installs a portion of the Work or improvement according to detailed drawings contained in the Contract Documents, in an amount in excess of one-half of one percent of the Prime Contractor's total Bid or, in the case of Bids or offers for the construction of streets or highways, including bridges, in excess of one-half of one percent of the Prime Contractor's total Bid or \$10,000, whichever is greater. After the opening of Bids, no changes or substitutions will be allowed except as otherwise provided by law. The listing of more than one subcontractor for each item of Work to be performed with the words "and/or" will not be permitted. Failure to comply with this requirement may render the Bid as non-responsive and may cause its rejection.

Special Note: The Prime Contractor shall perform not less than 50% of the Work identified in this Bid. In the event a Bidder lists subcontractors who will perform Work under this Bid in excess of 50% of the Work identified in this Bid, the Bid shall be considered non-responsive.

Bidders shall list the total % of Work to be performed by the Prime Contractor here. 70
(Shall not be less than 50%)

Work to be Performed	Contractor License Number	Percent of Total Contract	Subcontractor's Name, Address, and Contact Person
1. <i>Electrical</i>	306767	12%	<i>Mike Bowen Electric Co. Lodi, CA Yuriy Yorbayev</i>
2.			
3.			
4.			
5.			

BIDDER: Myers & Sons Construction, I.I.C

Signature 

Date 3/1/21

INSURANCE REQUIREMENTS

Each Subcontractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from, or in connection with, the performance of the work hereunder by the Subcontractor, its agents, representatives, employees or subcontractors. The cost of such insurance shall be included in the Subcontractor's bid.

Minimum Scope of Insurance

- a. Without in any way limiting a Subcontractor's liability hereunder, each Subcontractor shall maintain the following minimum limits of insurance at its own expense during the performance of the Work, with insurance companies rated A-VII or higher by A.M. Best's, to cover the risk of losses associated with this Contract:

Coverage	Limits
(i) Workers Compensation	Statutory; including requirements of the Labor Code of the State of California and Employers Liability insurance
(ii) Employers Liability	\$1,000,000 each accident \$1,000,000 each employee \$1,000,000 policy limit
(iii) Commercial General Liability written on ISO CG 00 01 coverage form or its equivalent. No limiting or exclusionary endorsements material to the Subcontractor's obligations in the Contract may be attached. Coverage shall include a) contractual liability; b) explosion, collapse & underground perils (XCU); c) third-party over action coverage; d) Riggers Liability endorsement for the use of cranes, booms or other rigging equipment, if applicable; and e) amendment of the aircraft exclusion to include coverage for the use of commercial UAV's (drones), if applicable.	\$5,000,000 each occurrence for property damage and bodily injury (PD/BI) \$5,000,000 general aggregate \$5,000,000 products/completed operations aggregate
(iv) Automobile Liability covering all owned (if any), hired and non-owned autos (Policy shall be endorsed with MCS-90)	\$2,000,000 combined single limits each accident
(v) Umbrella/Excess Liability providing coverage at least as broad as the underlying policy(ies)	May be utilized to meet limits outlined above
(vi) Property	Each Subcontractor shall be solely responsible for protecting and insuring all property owned or leased or used by the Subcontractor in conjunction with the Work during the term of this Contract

(vii) Professional Liability (Errors & Omissions), if applicable to the Work. Coverage shall not exclude Technology Errors & Omissions coverage if the Subcontractor will have access to any Veolia Systems (including but not limited to any Veolia-owned or managed IT asset (server or application) wherever it is hosted (the public cloud, Veolia's AWS instance, Veolia's data center, etc.)	\$2,000,000 each claim \$2,000,000 annual aggregate
(viii) Subcontractor's Pollution Liability, if applicable to the Work	\$5,000,000 each claim \$5,000,000 annual aggregate
(ix) Valuable Papers Coverage, if applicable to the Work	Replacement cost covering "All Risk Perils" for damage to all drawings, specifications, plans, computations, sketches, test data, survey results, photographs, renderings, or other paper or reproductions

- b. Each Subcontractor's pollution liability policy in (viii) above shall provide coverage for:
1. Bodily injury, sickness, disease, sustained by any person, including death;
 2. Property damage, including physical injury to or destruction of third-party tangible property including the resulting loss of use thereof;
 3. Cleanup costs, and the loss of use of third-party tangible property that has not been physically injured or destroyed including diminution of value and natural resources damages;
 4. Defense costs, including costs, charges, and expenses incurred in the investigation, adjustment, or defense of claims;
 5. Contractual liability coverage, e.g., coverage for liability assumed by the Subcontractor under this Contract; and
 6. The full scope of such Subcontractor's operations as described within the scope of work for this Contract. The pollution liability coverage may not contain restrictions for:
 1. Insured versus insured actions (however, exclusions for claims made between insured within the same economic family are acceptable);
 2. Completed operations in any coverage part of the policy for either the insured or additional insured;
 3. Damage to third-party property that cannot be used or is less useful because of operations of the Subcontractor; or
 4. Work performed by the Subcontractor.
- c. In the event that the state where the Work is to be provided allows an employer to opt out of Workers Compensation coverage, each Subcontractor shall nevertheless obtain a Workers Compensation policy complying in all respects with this provision.
- d. Prior to providing any Work under this Contract, each Subcontractor will provide Veolia with an AI (ORD) certificate of insurance evidencing that the above described coverage are in full force and effect. Each Subcontractor will include Veolia, its parent companies, subsidiaries, affiliates, and each of their officers, directors, employees, agents, representatives and Client (if applicable), (collectively "Veolia's Additional Insured") as additional insured with respect to coverage (iii), (iv), and (viii), (and (v) if applicable) above. All policies shall be primary and non-contributory, provide a full waiver of the insurer's right of subrogation in favor of Veolia Additional Insured and/or any Subcontractor with respect to claims that are covered or should have been covered by valid and collectible insurance provided hereunder and said waiver will extend to any deductibles, co-insurance or retentions. No Subcontractor will permit any cancellation or non-renewal of its insurance coverage to be provided hereunder without thirty (30) days' written notice to Veolia.

- e. All policies shall be issued on occurrence-based forms, except for coverage (vii) and (viii), which may be issued on a claims-made form. All claims-made policies will at least be retroactive to the earlier of the date of this Contract or the commencement of the Subcontractor's services in relation to the Work, and shall be maintained for three (3) years after the expiration or termination of this Contract.
- f. These insurance requirements will not be construed in any matter as waiving, restricting or limiting Veolia's rights or any Subcontractor's obligations under this Contract. Veolia does not represent that coverage or limits herein will be adequate to protect any Subcontractor. Each Subcontractor remains responsible for any liability not paid by insurance including deductibles and retentions.

Additional Insurance

- a. Builders' Risk Insurance for the full replacement value of the property

Each Subcontractor shall purchase and maintain during the life of the Project included below at the Base insurance against loss to the Work sufficient to replace the Work. Such coverage shall be written on an "all risk" causes of loss builders risk coverage form at replacement cost and without a co-insurance penalty.

- o Not limited to the following, policy perils shall include: theft, vandalism, malicious mischief, testing and startup, earth movement, terrorism (certified and non-certified), delay in completion or start up, mold, fungus, collapse, earth movement, flood, civil authority, windstorm, building ordinance and demolition.
- o Not limited to the following, the policy shall cover: underground work, foundations, sidewalks and paving, landscaping, falsework, temporary buildings, trailers, laydown areas, supplies, materials, machinery, equipment, fixtures, debris removal, property in transit, property stored offsite, business interruption costs, extra expense costs and soft costs including but not limited to reasonable compensation for professional fees and general conditions.
- o Losses to the Work shall be replaced by the Subcontractor at no expense to the City or Veolia. Any deductible or sub-limited deductible shall not exceed \$50,000.
- o The insurer shall waive all rights of subrogation against the City or Veolia
- o Coverage including permission for temporary occupancy shall be maintained until final acceptance by Veolia and final payment has been made.
- o The policy shall allow for partial utilization of the Work by Veolia
- o The policy shall be maintained in effect until final payment is made unless otherwise agreed to in writing by Veolia, Subcontractor, and Engineer with 30 days written notice to each other loss payee to whom a certificate of insurance has been issued.

Losses shall be adjusted by and made payable to such Subcontractor as fiduciary for the Builders Risk Insureds. Each Subcontractor shall pay its subcontractors their just shares of insurance proceeds received by such Subcontractor and shall cause such subcontractors to make payments to their sub-subcontractors in similar manner.

Certificates of insurance shall be either emailed in pdf format to:

Morgan.Mackay@Veolia.com or mailed to the following postal address:

Insert Plant Address Here

Contractor Information

Legal Entity Name
 MYERS & SONS CONSTRUCTION LLC
Legal Entity Type
 LLC
Status
 Expired
Registration Number
 1000054678
Registration effective date
 6/15/2018
Registration expiration date
 6/30/2019
Mailing Address
 4600 NORTHGATE BLVD, SUITE 100 SACRAMENTO 95834 ...
Physical Address
 4600 NORTHGATE BLVD, SUITE 100 SACRAMENTO 95834 ...
Email Address
Trade Name/DBA
License Number(s)
 CSLB 1033752

Registration History

Effective Date	Expiration Date
6/15/2018	6/30/2019
12/28/2017	6/30/2018
7/1/2019	6/30/2022

Legal Entity Information

Corporation Number:
 result[iCtr].License_RegistrationRoot.Registration_Accounts__[regAccts].Corp_or_ILC_ID__c
Federal Employment Identification Number:Member Name(s):

Agent of Service Name:
 CLINTON WALLACE MYERS
Agent of Service Mailing Address:
 4600 NORTHGATE BLVD, SUITE 100 SACRAMENTO 95834 CA United States of America

Workers Compensation

Do you lease employees through Professional Employer Organization (PEO)?: No
 Please provide your current workers compensation insurance information below:

February 11, 2021

VEOLIA Water West Operating Services, LLC
601 Canal Blvd
Richmond, CA 94804

RE: Myers & Sons Construction, LLC

Evidence of Insurability Letter

Name of Project – City of Richmond WWTP Sludge Thickening Facility Project

To whom it may concern,

This letter serves to confirm the following:

1. Does coverage meet minimum project requirements? - Yes
2. Can this coverage be extended for work on the sample Projects and other Projects within this Contract? - Coverage is Per Project
3. Can coverage be increased? - No (however, excess on a per project basis should suffice)
4. Can the City be listed as an additional insured? - Yes
5. Are there any current claims that will affect coverage limits available for this project? - No

Attached is a Certificate of Insurance evidencing coverage currently in force. Each insurance company evidenced is licensed to do business in the State of California and carries an A.M. Best rating of A- VII or higher. If you have any questions or concerns, please feel free to contact me.

Sincerely,

Connor Baker

Connor T. Baker
Asst. Account Manager
Construction Services Group,
Alliant Insurance Services Inc.
(P) 516-414-8278
(E) connor.baker@alliant.com

Phase I Design Services Fee

S. No.	Description	Civil	Mech.	Elect.	I&C	Structural	Geotech	Misc.	Total
1	Pre-design	\$8,129	\$9,16	\$6,108	\$1,058	\$3,055	\$0	\$41,300	\$68,731
2	BODR/Engr Estimate	\$2,901	\$3,46	\$2,301	\$1,151	\$1,151	\$4,180	\$36,151	\$50,086
3	PHI - 50% and open book project cost estimate at 50% design	\$25,518	\$38,271	\$25,519	\$12,759	\$12,759	\$2,060	\$91,671	\$238,550
4	PHI - 50% and GMP and preliminary open book project cost estimate at 50% Design	\$14,887	\$22,331	\$14,887	\$7,444	\$7,444	\$1,100	\$27,444	\$95,538
5	PHI - 100% and Guaranteed Maximum Price with detailed open book project cost estimate	\$2,127	\$3,190	\$2,127	\$1,063	\$1,063	\$0	\$16,063	\$25,634
Total									\$449,242

Direct Cost Report

Activity Resource	Desc	Qty	Unit	Unit Cost	Per Labor	Const Mat/Exp	Equip	Sub-Contract	Total
BID ITEM = 100									
Description =	ALL WORK								
11302 MOB TRUCKING									
ZZ	1 Med Blk Field Crew	32.00	CH	Prod: 6,400 HU	Lab Pes: 1.00	Eqp Pes: 6.00			
515,090.18	6,400 MHEA	32.00	MH	[224.32]	2,234	12,836			15,090
11525 SEA CONTAINER RENTAL									
97-SEACONT	Sea Container	1.00	1.00 LS	1,250.000		1,250			**Unreviewed 1,250
11528 SETUP TEMP POWER									
3TEMP-ELEC	Temporary Elec<109.25%	1.00	1.00 LS	4,916.000		4,916			**Unreviewed 4,916
11531 PROJECT FUEL									
9FOEL	FUEL	1.00	1.00 LS	50,000		50			**Unreviewed 50
11610 TAXES, LICENSES & PERMITS									
9TAXES	Taxes, Licenses & Permits	1.00	1.00 LS	2,500.000		2,500			**Unreviewed 2,500
11611 INSURANCE									
9999-CLASH	Builders Risk	1.00	1.00 LS	10,000.000		10,000			**Unreviewed 10,000
11612 EMPLOYEE ORIENTATION									
9Z-ORIENT*TL	Employee Orientation	704,861.08	MH	0.005		3,524			**Unreviewed 3,524
11618 SMALL TOOLS & SUPPLIES									
3V5LST*DI	Small Tools & <109.25%	1.00	1,808.00 MH	2,500		4,938			**Unreviewed 4,938
11700 PROJECT CONTINGENCIES									
2MATERIAL	MATERIAL ESCALATRO	0.03	0.03 LS	958,785.000		28,763			**Unreviewed 28,763
11720 WEATHER CONTINGENCIES									
9Z-WEATER	WEATHER CONTINGEN	1.00	1.00 MOS	15,000.000		15,000			**Unreviewed 15,000
11730 LABOR ESCALATION									
9Z-ESC*DI	Escalation	1.00	1,808.00 LER	4,600		7,252			**Unreviewed 7,252
11761 OUTSIDE SURVEY & TESTING									
9SURVEY	Survey	1.00	1.00 LS	14,000.000		14,000			**Unreviewed 14,000
9TESTING	Testing	1.00	1.00 LS	1,000.000		1,000			1,000
515,000.00				1		15,000			15,000
11793 LEGAL EXPENSES									
9LEGAL-FEES	LEGAL FEES	1.00	1.00 LS	500.000		500			**Unreviewed 500
12100 CONSTRUCTION MATERIALS									
1MCM	MISC CONSTRUCT<109	1.00	1,808.00 MH	4,000		7,901			7,901

Direct Cost Report

Activity Resource	Desc	Pct	Quantity	Unit	Unit Cost	Perm Labor	Constr Material	Equip Ment	Sub-Contract	Total	
BID ITEM = 100											
Description	ALL WORK			Unit =	LS	Excess Quant	1.000	Engg Quant		1.000	
3NWP	SWPP PLAN@109.25%	1.00	1.00	LS	3,500.000		3,524			3,524	
924OFFICEUTIL	Office Utilities	1.00	8.00	MCON	150.000		1,200			1,200	
\$12,924.71				[]			12,925			12,925	
12130	CONCRETE CONSTRUCTION MATERIALS			Quan:	1.00 LS	Hrs/Shift:	8.00	Cal:	508	WC: 5213	
1M-FORM	Formwork Const@109.25%	1.00	2,360.00	SF	2.000		5,157			5,157	
13100	PERM MATL - MISC			Quan:	1.00 EA	Hrs/Shift:	8.00	Cal:	508	WC: 8227	
2HANDRAIL	HANDRAIL @109.25%	1.00	100.00	LF	40.000		4,370			4,370	
2FINISH	FINISH @109.25%	1.00	1.00	LS	500.000		546			546	
\$4,916.25				[]			4,916			4,916	
13110	PERM MATL - READY-MIX CONCRETE			Quan:	152.00 CY	Hrs/Shift:	8.00	Cal:	508	WC: 5213	
2RMC-1000	1000 PSI Ready@109.25%	1.00	152.00	CY	175.000		29,061			29,061	
2RMC-AB219	AB219 Charge@109.25%	1.00	19.00	LD	160.000		5,321			5,321	
2RMC-ENVIRO	Environmental Fin@109.25%	1.00	19.00	LD	60.000		1,245			1,245	
2RMC-SHORT	Short Used Chase@109.25%	1.00	3.00	LD	175.000		574			574	
\$34,200.71				[]			34,201			34,201	
13140	PERM MATL - AGGREGATES			Quan:	100.00 TON	Hrs/Shift:	9.00	Cal:	609	WC: 5213	
2AG-BESAND	Backfill Sand@109.25%	1.00	150.00	TN	12.000		1,967			1,967	
2AG-CL2	Class 2 Base@109.25%	1.00	100.00	TN	10.000		1,093			1,093	
5T-TRANSPI	Transfers	1.00	250.00	N	20.000		5,000			5,000	
\$8,059.00				[]			8,059			8,059	
13200	PERM MATL - EQUIPMENT			Quan:	1.00 LS	Hrs/Shift:	8.00	Cal:	508	WC: 8227	
2OILOR	OIL OR CONTROL @109.25%	1.00	1.00	LS	95,000.000		101,788			101,788	
2POLYBLEND	POLY BLENDING @109.25%	1.00	1.00	LS	27,000.000		29,498			29,498	
2POLYTANK	POLY TANK @109.25%	1.00	1.00	LS	30,000.000		32,775			32,775	
2SLUDGE PUMP	SLUDGE PUMPS @109.25%	1.00	1.00	LS	218,000.000		260,015			260,015	
2THICKEN	GD1 THICKENERS @109.25%	1.00	1.00	LS	485,000.000		420,613			420,613	
2WASPUMPS	WAS PUMPS @109.25%	1.00	1.00	LS	87,000.000		95,048			95,048	
\$941,735.00				[]			941,735			941,735	
13210	PERM MATL - PIPE, FITTINGS, VALVES			Quan:	1.00 LS	Hrs/Shift:	8.00	Cal:	508	WC: 8227	
2PIV	PIV @109.25%	1.00	1.00	LS	125,000.000		136,563			136,563	
19505	SETUP TEMP WATER			Quan:	1.00 LS	Hrs/Shift:	8.00	Cal:	508	WC: 5213	
3DRINKING	DRINKING WATER @109.25%	1.00	8.00	MCON	100.000		874			874	
3TEMP-WATR	Temporary Waste @109.25%	1.00	1.00	LS	1,500.000		1,639			1,639	
\$2,512.75				[]			2,513			2,513	
20207	DEMOLISH CONCRETE DAF THICKENER #2			Quan:	100.00 CY	Hrs/Shift:	8.00	Cal:	508	WC: 5213	
<u>WWEXC</u>	(Most) Excavation Crew		16.00	CH	Prod:	2.0000	S	Lab Pcs	1.00	Eqp Pcs	4.00
3HAZPLAN	HAZARD WASTE @109.25%	1.00	1.00	LS	25,000.000		27,313			27,313	
51-DUMPSID	Dump Fees by Load	1.00	9.00	LD	800.000		7,200			7,200	
5T-SEMENTD	Semi-Fast Dump Trucks	1.00	18.00	HR	150.000		2,700			2,700	
\$44,465.97	0.4800 MFCY		18.00	MFI	[20.936]	4.058	37,313	3,196		44,466	
20222	FINISH SITE SUBGRADE- LAYOUT STRUCTURE			Quan:	2,500.00 SF	Hrs/Shift:	8.00	Cal:	508	WC: 5213	

**Unreviewed

Direct Cost Report

Activity Resource	Desc	Quantity	Unit	Est Cost	Perm Labor	Constr Material	Equip Ment	Sub-Contract	Total
BID ITEM	100								
Description	ALL WORK								
			Land Item	SCHEDULE:	1	100			
			Unit	LS	Takesoff	Quan	1 000	Engr	Quan
									1,000
<u>BGRADE</u>	(Mod) Grading Crew	16.00	CH	Prod:	2,0000 S	Lab Pes:	3.00	Eqp Pes:	4.00
\$7,382.84	0.0256 MEUSE	64.00 MH		[1,167]	5,538		1,845		7,384
20224	PLACE & COMPACT SITE AB			Quan:	100.00 TON	Hrs/Shift:	8.00	Cal:	508 WC: 5213
<u>BGRADE</u>	(Mod) Grading Crew	8.00	CH	Prod:	1,0000 S	Lab Pes:	3.00	Eqp Pes:	4.00
\$2,951.22	0.2400 ME/TON	24.00 MH		[30,468]	2,029		922		2,951
20226	FINISH SITE AB			Quan:	1,100.00 SF	Hrs/Shift:	8.00	Cal:	508 WC: 5213
<u>BGRADE</u>	(Mod) Grading Crew	8.00	CH	Prod:	1,0000 S	Lab Pes:	3.00	Eqp Pes:	4.00
\$2,951.22	0.0218 MEUSE	24.00 MH		[0,952]	2,029		922		2,951
20231	POTHOLE			Quan:	10.00 EA	Hrs/Shift:	9.00	Cal:	609 WC: 5213
<u>SMPPIPE</u>	(Mod) Small Pipeline Crew	36.00	CH	Prod:	4,0000 S	Lab Pes:	3.00	Eqp Pes:	4.00
\$12,400.65	10.0000 ME/EA	108.00 MH		[471,762]	8,871		3,530		12,401
20233	TRENCH 4'-6"			Quan:	200.00 LF	Hrs/Shift:	9.00	Cal:	609 WC: 5213
<u>SMPPIPE</u>	(Mod) Small Pipeline Crew	45.00	CH	Prod:	5,0000 S	Lab Pes:	3.00	Eqp Pes:	4.00
\$15,500.81	0.6750 ME/LF	135.00 MH		[29,485]	11,089		4,412		15,501
20250	TESTING/START-UP			Quan:	200.00 LF	Hrs/Shift:	8.00	Cal:	508 WC: 5213
<u>WWMECH</u>	(Mod) Mechanical Crew	40.00	CH	Prod:	5,0000 S	Lab Pes:	2.00	Eqp Pes:	2.00
\$6,973.17	0.4000 ME/LF	80.00 MH		[11,52]	5,461		1,512		6,973
20275	LAY 6" DIP UNDERSLAB			Quan:	200.00 LF	Hrs/Shift:	9.00	Cal:	609 WC: 5213
<u>SMPPIPE</u>	(Mod) Small Pipeline Crew	27.00	CH	Prod:	3,0000 S	Lab Pes:	4.00	Eqp Pes:	5.00
\$12,272.09	0.5400 ME/LF	108.00 MH		[22,655]	8,586		3,687		12,273
20288	TIE IN'S			Quan:	2.00 EA	Hrs/Shift:	9.00	Cal:	609 WC: 5213
<u>SMPPIPE</u>	(Mod) Small Pipeline Crew	18.00	CH	Prod:	2,0000 S	Lab Pes:	3.00	Eqp Pes:	4.00
\$6,200.33	27.0000 ME/EA	54.00 MH		[1179,4]	4,435		1,765		6,200
20314	FORMSTRIP SOG 1.5" THICK			Quan:	195.00 SF	Hrs/Shift:	8.00	Cal:	508 WC: 5213
<u>WFORM</u>	Form Crew	16.00	CH	Prod:	2,0000 S	Lab Pes:	3.00	Eqp Pes:	3.00
\$5,563.34	0.2461 ME/SF	48.00 MH		[11,743]	4,287		1,277		5,563
20315	FORMSTRIP SOG 3.6" THICK			Quan:	2,165.00 SF	Hrs/Shift:	8.00	Cal:	508 WC: 5213
<u>WFORM</u>	Form Crew	16.00	CH	Prod:	2,0000 S	Lab Pes:	3.00	Eqp Pes:	3.00
\$5,563.34	0.0221 ME/SF	48.00 MH		[1,058]	4,287		1,277		5,563
20331	FORMPOURSTRIP STAIRS			Quan:	50.00 SF	Hrs/Shift:	8.00	Cal:	508 WC: 5213
<u>WFORM</u>	Form Crew	16.00	CH	Prod:	2,0000 S	Lab Pes:	3.00	Eqp Pes:	3.00
\$5,563.34	0.9000 ME/SF	48.00 MH		[45,798]	4,287		1,277		5,563
20333	FORMSTRIP EQUIPMENT PADS			Quan:	50.00 SF	Hrs/Shift:	8.00	Cal:	508 WC: 5213
<u>WFORM</u>	(Mod) Form Crew	16.00	CH	Prod:	2,0000 S	Lab Pes:	2.00	Eqp Pes:	3.00
\$3,823.97	0.6400 ME/SF	32.00 MH		[35,382]	3,219		605		3,824

Direct Cost Report

Activity Resource	Desc	Quantity Per	Unit	Unit Cost	Perm Labor	Constr Material	Equip Maint	Sub-Contract	Total	
BID ITEM	100									
Description	ALL WORK		Unit	LS	TakeOff	Quant.	1,000	Engr Quant.	1,000	
20343	POUR SOG L5'									
		Quan:		62.00 CY	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWPOUR	(Mod) Pour Crew	8.00	CH	Prod:	1,0000	S	Lab Pcs:	4.00	Eqp Pcs:	3.00
\$5,524.20	0.5161 MH/CY	32.00	MH	[24,385]	2,830		2,694		5,524	
20344	POUR SOG 3.67'									
		Quan:		85.00 CY	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWPOUR	(Mod) Pour Crew	8.00	CH	Prod:	1,0000	S	Lab Pcs:	4.00	Eqp Pcs:	3.00
\$5,564.20	0.3764 MH/CY	32.00	MH	[17,785]	2,830		2,734		5,564	
20345	POUR EQUIPMENT PADS									
		Quan:		4.00 CY	Hrs/Shift:	10.00	Cal: 510	WC: 5213		
WWPOUR	(Mod) Pour Crew	10.00	CH	Prod:	1,0000	S	Lab Pcs:	3.00	Eqp Pcs:	2.00
\$3,217.24	7.5000 MH/CY	30.00	MH	[356,868]	2,620		597		3,217	
20351	FINEGRADE									
		Quan:		1,100.00 SF	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
HGRADE	(Mod) Grading Crew	8.00	CH	Prod:	1,0000	S	Lab Pcs:	3.00	Eqp Pcs:	2.00
\$2,478.74	0.0218 MH/SF	24.00	MH	[0,952]	2,029		450		2,479	
20507	HANDRAIL									
		Quan:		100.00 LF	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWFORM	(Mod) Form Crew	8.00	CH	Prod:	4,0000	S	Lab Pcs:	2.00	Eqp Pcs:	3.00
\$8,991.93	0.6401 MH/LF	64.00	MH	[35,382]	6,438		2,554		8,992	
21103	6" REMOVE/REPLACE WAS PUMPS									
		Quan:		3.00 EA	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWMECH	(Mod) Mechanical Crew	8.00	CH	Prod:	4,0000	S	Lab Pcs:	4.00	Eqp Pcs:	3.00
\$12,018.12	42.6666 MH/EA	128.00	MH	[1584,64]	9,465		2,554		12,018	
21104	4" SLUDGE PUMPS TWAS									
		Quan:		2.00 EA	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWMECH	Mechanical Crew	8.00	CH	Prod:	1,0000	S	Lab Pcs:	3.00	Eqp Pcs:	3.00
\$2,470.84	12.0000 MH/EA	24.00	MH	[464.04]	1,832		638		2,471	
21110	POLY TANK									
		Quan:		1.00 EA	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWMECH	(Mod) Mechanical Crew	12.00	CH	Prod:	1,5000	S	Lab Pcs:	2.50	Eqp Pcs:	2.50
\$3,426.10	30.0000 MH/EA	30.00	MH	[1125]	2,223		1,204		3,426	
21111	CHEM PUMPS									
		Quan:		3.00 EA	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWMECH	(Mod) Mechanical Crew	8.00	CH	Prod:	1,0000	S	Lab Pcs:	2.00	Eqp Pcs:	2.00
\$1,394.65	5.3333 MH/EA	16.00	MH	[180,267]	1,092		302		1,395	
21116	ODOR SCRUBBER									
		Quan:		1.00 EA	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWMECH	Mechanical Crew	8.00	CH	Prod:	1,0000	S	Lab Pcs:	3.00	Eqp Pcs:	3.00
\$2,470.84	24.0000 MH/EA	24.00	MH	[928.08]	1,832		638		2,471	
21119	THICKENERS									
		Quan:		2.00 EA	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWMECH	(Mod) Mechanical Crew	8.00	CH	Prod:	1,0000	S	Lab Pcs:	3.00	Eqp Pcs:	3.00
\$3,174.51	12.0000 MH/EA	24.00	MH	[479.6]	1,871		1,302		3,174	
21511	8" DIP									
		Quan:		17.00 FC	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
WWMECH	Mechanical Crew	16.00	CH	Prod:	2,0000	S	Lab Pcs:	3.00	Eqp Pcs:	3.00
\$4,941.67	2.8235 MH/FC	48.00	MH	[109,186]	1,665		1,277		4,942	

Direct Cost Report

Activity Resource	Desc.	Qty	Unit	Unit Cost	Labor	Perm Material	Constr Mat/Exp	Liqup Ment	Sub-Contract	Total
BID ITEM	100									
Description	ALL WORK									
4PAVE	PATCH PAVE	1.00	LS	10,000.000				10,000		10,000
9-REBAR	REBAR CONTRACTOR									
		Quan:	1.00 LS	Hrs/Shft:	8.00	Cal:	508	WC:	5213	
4REBAR	REBAR	1.00	LS	18,000.000				18,000		18,000
Item Totals: 100 - ALL WORK										
\$2,360,100.36	1,814,000.00	MIHS	1,814.00	MIH	143,170	1,149,257	127,717	67,023	872,953	2,360,100
2,360,100.360		LS			143,169.70	1,149,256.50	127,717.22	67,023.00	872,953.18	2,360,100.36
\$2,360,100.36	*** Report Totals ***		1,814.00	MIH	143,170	1,149,257	127,717	67,023	872,953	2,360,100

*** indicates Non-Additive Activity

-----Report Notes-----

The estimate was prepared with TAKEOFF Quantities

This report shows TAKEOFF Quantities with the resources

Unreviewed Activities are marked.

Bid Date: 05/05/21 Owner: Engineering Firm

Estimator In-Charge:

JOB NOTES

800-444-2196

append

*****Estimate created on: 11/27/2019 by User#: 667 - admin:Oliz McLaughlin
 Source: estimate: cost: H:\BETA\2020\MSR\BID\MSR

*****Estimate created on: 02/17/2021 by User#: 110 - Bryan Evans
 Source: estimate: cost: H:\BETA\2020\MSR\BID\MSR

* on units of MIH indicate average labor unit cost was used rather than base rate

[] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens

In equipment resources, test % and BOE % are - TBA are represented as XXX-YYY where XXX=rent and YYY=BOE

-----Calendar Codes-----

- 508 M-F 8hr/sh (Default Calendar)
- 509 M-F 8sr+1oc/sh
- 510 M-F 8hrs/2hrs/OT
- 512 M-F 12 hour Shift
- 609 M-S 6 9 hours shifts
- 610 M-S 6/10
- 612 M-S 6/12
- 710 7/10 Hours Days
- ADT All Double Time
- AOE All Over Time
- SSO Sat&Sun Work only

Estimate Recap Report

Project Information

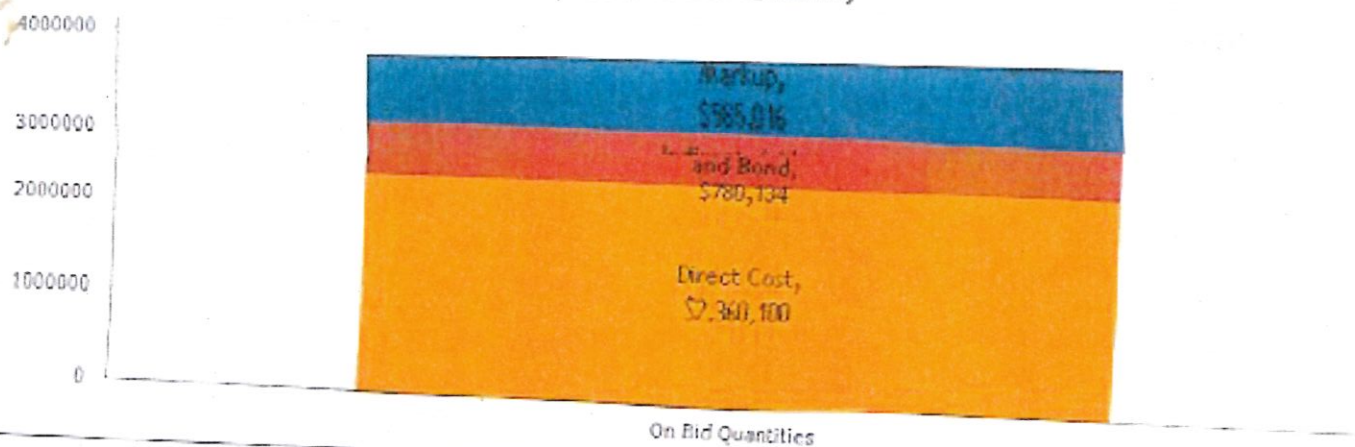
Estimate: 210305-BE - Richmond Thickeners Design Build
 Project:
 Estimator In Charge:
 Owner:
 Engineer:
 Related Estimate:

Bid Date: 03/05/2021
 Review Date:
 Job Duration: 12 months
 State: LA
 Estimate Type: Estimate

Estimate Summary

	On Bid Quantities	%
Direct Cost	2,360,100	63.35%
Indirect Cost	718,929	19.30%
Addons	61,206	1.64%
Bond	0	0.00%
Pass Through Cost	0	0.00%
Direct Markup	448,419	12.04%
Indirect Markup	136,596	3.67%
Markup Addons	0	0.00%
+ / - Adjustments	0	
Pass Through Adjustment	0	
Unbalancing Difference	0	0.00%
Rounding Difference	0	
Desired Bid	0.00	
Final Bid Total	3,725,250.29	100.00%
Final Markup (% Based on Cost)	585,016	18.63%

Takeoff vs Bid Quantity



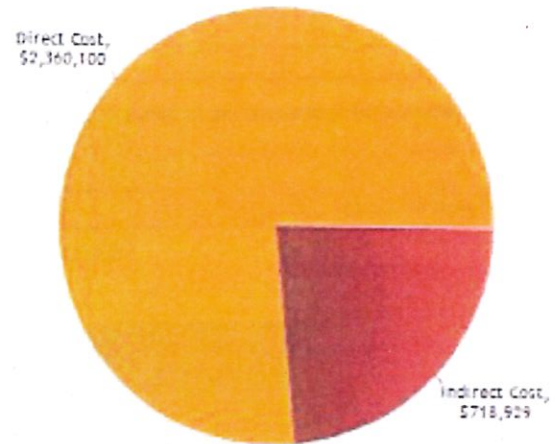
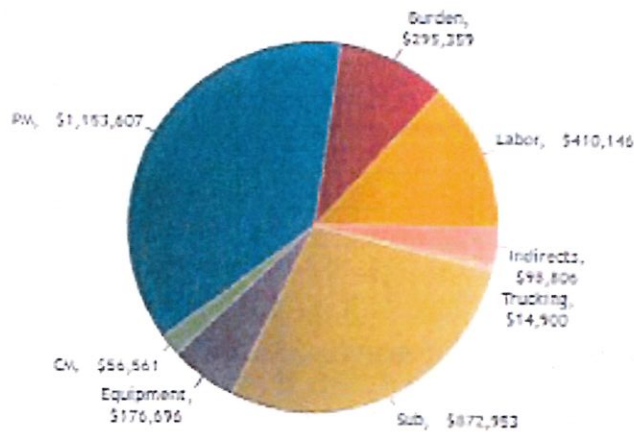
Other Totals

Total Sales Tax	\$100,027
Total Escalation	\$0
Labor % of Job Cost	22.47%
Equipment % of Job Cost	5.63%

Burden % of Direct Labor	48.21%
Burden % of Indirect Labor	40.25%
EOE % of Equipment	59.26%
Current Minority %	0.00%

Totals by Cost Type - Bid Quantities

	Direct	Indirect	Total	% of Total
Base Labor	74,146	336,000	410,146	13.32%
Burden	69,024	226,335	295,359	9.59%
Total Labor	143,170	562,335	705,505	22.91%
Inside Equipment	37,951	34,037	71,987	2.34%
Outside Equipment	0	0	0	0.00%
EOE	29,072	75,637	104,709	3.40%
Total Equipment	67,023	109,673	176,696	5.74%
Permanent Materials	1,149,237	4,370	1,153,607	37.47%
Construction Materials	56,561	0	56,561	1.84%
Subcontractors	872,953	0	872,953	28.35%
Trucking	14,900	0	14,900	0.48%
Indirects	56,256	42,550	98,806	3.21%
Misc 3	0	0	0	0.00%
Totals	2,360,100	718,929	3,079,029	100.00%



Fuel Summary

Fuel Type	Quantity	Units
Gasoline	0	Gal
Diesel	0	Gal
Off-Road	0	Gal

Sales Tax Summary

	Setup Tax %	Average Tax %	Total Taxes
Permanent Materials	9.25%	9.00%	95,238
Construction Materials	9.25%	9.25%	4,789
Inside Equipment	0.00%	0.00%	0
Outside Equipment	0.00%	0.00%	0
EOE	0.00%	0.00%	0
Subcontractors	0.00%	0.00%	0
Trucking	0.00%	0.00%	0
Indirects	0.00%	0.00%	0
Misc 3	0.00%	0.00%	0
Total Tax			100,027

Escalation Summary

	Average Escalation %	Total Escalation
Labor	0.00%	0
Inside Equipment	0.00%	0
Outside Equipment	0.00%	0
EOE	0.00%	0
Permanent Materials	0.00%	0
Construction Materials	0.00%	0
Subcontractors	0.00%	0
Trucking	0.00%	0
Indirects	0.00%	0
Misc 3	0.00%	0
Total Escalation		0

Labor Summary

	Direct	Indirect	Total
Hourly Labor (MH, MHS, MHR, MHR)			
Manhours	1,814	0	1,814
Base Labor	71,818	0	71,818
Premium (on Base Labor)	2,328	0	2,328
Burden (includes Premium)	69,024	0	69,024
Total Labor	143,170	0	143,170
Daily Labor (DAY, DAYS, DY, DYS)			
None	0	0	0
Weekly Labor (WK, WKS, WEEK)			
None	0	0	0
Monthly Labor (MO, MON, MNTH, MMO, MMOS)			
Months	0	31	31
Base Labor	0	336,000	336,000
Premium (on Base Labor)	0	0	0
Burden (includes Premium)	0	226,335	226,335
Total Labor	0	562,335	562,335

Summary IS Current

Last run 3/4/2021 2:12:00 PM

Balanced Markup Calculation

Spread IS Current

Last run 3/4/2021 2:12:00 PM

	Cost	Markup %	Markup \$
Labor	410,146	19.00%	77,928
Burden	295,359	19.00%	56,118
Permanent Materials	1,153,607	19.00%	219,185
Construction Materials	56,561	19.00%	10,747
Inside Equipment	71,987	19.00%	13,678
Outside Equipment	0	19.00%	0
EOE	104,709	19.00%	19,895
Subcontractors	872,953	19.00%	165,861
Trucking	14,900	19.00%	2,831
Indirects	98,806	19.00%	18,773
Misc 3	0	19.00%	0
Overrides	0	0.00%	0
Total	3,079,029	19.00%	585,015

Addons, Bond and Markup Summary **Dependent on Bid Summary**

	Total	%
Cost Addons		
Excess Liability	10,669	0.29%
Bond	29,802	0.80%
Markup Addons		
Safety & First Aid	9,313	0.25%
General Liability	5,301	0.14%
Bond		
Bond	0	0.00%
Markup		
Resource Markup	585,015	15.70%
Total Markup	585,016	15.70%
Markup, Addons, and Bond Total	646,221	17.35%

Minority Info

Code	Description	Goal %	Goal \$	Actual %	Actual \$	\$ Difference
UDBE	Underutilized Business Entity	5.00%	186,263	0.00%	0	-186,263

Key Indicators **Dependent on Bid Summary**

	Result	Formula
Balanced Markup/Total Labor	82.92%	Balanced Markup / Total Labor
Indirect Cost/Direct Cost	30.46%	Indirect Cost / Direct Cost
Equipment	10.20%	Total Company Eqp / Total Labor
Sub Percentage	23.43%	Total Subcontractors / Bid Total
Total Manhours	1,814.00	Direct Manhours + Indirect Manhours
Markup Sales %	0.16	Markup% (Sales) By TO Qty + 0

Estimate Notes

800 444 3196
append

*****Estimate created on: 11/27/2019 by User#: 667 - admin_Olie_McLaughlin
Source used: H:\EST\MASTERESTIMATE\MSCRHEMSTR.zip (a backup) from 11/27/2019 9:39:47 AM

*****Estimate created on: 02/17/2021 by User#: 110 - Bryan Evans
Source estimate used: H:\EST\2020\MSCRHEMSTR

Estimate Summary - Costs and Prices

Shelving Construction Company, Inc. Ryan Evans
 210054E Richmond Trainers Design Build

Direct BidItems

100 - ALL WORK	Labor	Perm Materials	Const Materials	Equipment	Subs	Tracking	Indirects	Direct Total	Indirect Charge	Addon Bond	Total Cost	Balance Bid (TO)	Total	Est Prices	Total
1,814	140,170	1,149,237	56,561	67,023	872,593	14,900	56,256	2,350,100	718,929	61,206	3,140,235	585,016	3,725,250.29	585,016	3,725,250.29
1,814	140,170	1,149,237	56,561	67,023	872,593	14,900	56,256	2,350,100	718,929	61,206	3,140,235	585,016	3,725,250.29	585,016	3,725,250.29
Direct Totals															
1,814	140,170	1,149,237	56,561	67,023	872,593	14,900	56,256	2,350,100	718,929	61,206	3,140,235	585,016	3,725,250	585,016	3,725,250

Indirect Charges

99991 - TIME RELATED OVERHEAD	Labor	Perm Matl	Const Matl	Equipment	Subcontract	Total
99991 - TIME RELATED OVERHEAD	582,335	4,379		109,673		718,929
99992 - NON TIME RELATED OVERHEAD						
99993 - CONTINGENCIES						
Indirect Totals	582,335	4,379		109,673		718,929

Addon/Bond

Additional Cost	Addon/Bond Cost
Excess Liability	10,659
Bond	29,902
Markup Addons	5,121
Service Fee Add	9,313

Additional Cost		Adson/Bond Cost
General Liability	0.423 % of JB	5,321
No bond selected		
Totals from Adson and Bond		51,206

Summary Information

Last Summary: 3/4/2021 2:12:00 PM
Last Spread: 3/4/2021 2:12:00 PM

Indirect Cost Report

Activity	Desc	Quantity	Unit	Unit Cost	Perm Labor	Constr Material	Equip	Sub-	Total		
Resource		Pcs					Ment	Contract			
BID ITEM	999991										
Description	TIME RELATED OVERHEAD										
			Lead Item	SCHEDULE	1	100					
			Unit	LS	Takeoff	Quan	1,000	Equip	1,000		
							Quant				
11141	RENT OFFICE SPACE OR MODULAR		Quan:	10.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
2COPIER	COPIERS@109.25%	1.00	10.00	MOS	250.000		2,731		2,731		
3FURN	OFFICE FURNITURE@109	1.00	1.00	LS	1,500.000		1,639		1,639		
9Z-OFFICE/REN	Office Rent	1.00	10.00	MOS	700.000			7,000	7,000		
\$11,570.00					1		4,370	7,000	11,370		
11511	PROJECT MANAGER		Quan:	8.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
8SUPER	--- Mgmt/Supervisor Truc	1.00	1,280.00	HR	14,500			18,560	18,560		
ZPM	---> Project Manager	1.00	8.00	MOS	13,000.000		159,973		159,973		
\$178,532.80					1		159,973	18,560	178,533		
11512	SUPERINTENDENT		Quan:	10.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
8SUPER	--- Mgmt/Supervisor Truc	1.00	2,400.00	HR	14,500			34,800	34,800		
ZSUPERINC	---> Superintendent	1.00	10.00	MOS	13,000.000		245,466		245,466		
\$280,266.00					1		245,466	34,800	280,266		
11513	PROJECT ENGINEER		Quan:	12.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
8SUPER	--- Mgmt/Supervisor Truc	1.00	1,883.68	HR	14,500			56,313	56,313		
ZENGINEER	---> Project Engineer	1.00	12.00	MOS	7,500.000		138,438		138,438		
\$194,751.46					1		138,438	56,313	194,751		
11516	PROJECT SCHEDULER		Quan:	1.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
ZMHEED	---> Project Scheduler	1.00	1.00	MOS	12,000.000		18,458		18,458		
\$18,458.40					1		18,458		18,458		
11521	TRASH		Quan:	8.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
9Z-TRASH	Trash	1.00	8.00	MIN	600.000		4,800		4,800		
11522	VANDALISM & THEFT		Quan:	8.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
9VAN-THEFT	VANDALISM & THEFT	1.00	8.00	MOS	450.000		3,600		3,600		
11523	RESTROOMS		Quan:	8.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
9Z-RESTROOMS	Restrooms	3.00	8.00	MIN	150.000		2,400		2,400		
11620	JOB & ENTERTAINMENT		Quan:	8.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
9Z-ENTER	JOB & ENTERTAINMEN	1.00	8.00	MIN	150.000		1,200		1,200		
11622	HOTELS/MOTELS		Quan:	25.00	DYS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
9Z-MOTELS	Motels	1.00	130.00	DAY	125.000		18,750		18,750		
11651	CELL PHONES/INTERNET		Quan:	8.00	MOS	Hrs/Shift:	8.00	Cal: 508	WC: 5213		
9Z-CELLPHONE	Cell Phones	1.00	16.00	MIN	275.000		4,400		4,400		
Item Totals:	999991		TIME RELATED OVERHEAD								
\$718,928.56					1		562,335	4,370	42,550	109,673	718,929
718,928.560		1.00			562,335.00	4,370.00	42,550.00	109,673.00		718,928.56	

Indirect Cost Report

Activity Resource	Desc	Qty	Unit	Unit Cost	Perm Labor	Costs Material	Equip Maint	Sub-Contract	Total
BID ITEM - 999992			Land Item	SCHEDULE 1	100				
Description -	NON TIME RELATED OVERHEAD		Unit -	LS Takeoff Quan:		1.000	Equip Quan		1.000
<i>There are no activities in this bid item.</i>									
BID ITEM - 999993			Land Item	SCHEDULE 1	100				
Description -	CONTINGENCIES		Unit -	LS Takeoff Quan		1.000	Equip Quan		1.000
<i>There are no activities in this bid item.</i>									
5718,928.56	*** Report Totals ***				562,335	4,370	42,550	109,671	718,929

NSA indicates Non Additive Activity

-----Report Notes-----

The estimate was prepared with TAKEOFF Quantities.

This report shows TAKEOFF Quantities with the resources

Bid Date: 05/05/21 Owner: Engineering Firm
 Estimator-In-Charge

JOB NOTES

000-494-1199
 append

*****Estimate created on: 11/27/2019 by User#: 667 - admin@lis.mclaughlin.com
 Source used: H:\ESTIMATE\ESTIMATES\MSC\HRMMSTR.zip (a backup) from 11/27/2019 9:29:47 AM

*****Estimate created on: 02/17/2021 by User#: 110 - Bryan Evans
 Source used: H:\ESTIMATE\ESTIMATES\MSC\HRMMSTR

* on units of MH indicate average labor unit cost was used rather than base rate

[] in the Unit Cost Column = Labor Unit Cost Without Labor Burden

In equipment resources, rent % and BU: Y not = 100, are represented as XXXYY where XXX=rents and YYY=BU

-----Calendar Codes-----

- 50X M-F Shift (Default Calendar)
- 509 M-F 8hr 1st/2nd
- 510 M-F 8hrs/2hrst/1
- 511 M-F 12 hour Shift
- 609 M-S 6-9 hours shifts
- 610 M-S 6/10
- 612 M-S 6/12
- 710 7/10 hours 1 days
- A01 All Available Time
- AO1 All Over Time
- SS0 Sat&Sun Work only