

Does 3D Scanning Live Up to the Hype for the Construction Industry?



Leica Scan Station P-series 3D laser scanner

[Article was originally posted on www.forconstructionpros.com]

By John Brown, DJM,

In 2016, the demand for 3D scanning was only 20% of the construction industry. By 2018 it rose to 57%. The market is growing and gaining steady adoption. Construction stakeholders are realizing the value that 3D scanning technology provides and using the tool throughout the project lifecycle.

These 3D scanners provide project stakeholders with deep insights by capturing the precise measurements of a designated area. The scanner spins in a 360-degree radius to analyze every tiny detail of the construction site. These details are combined with high-resolution imagery captured by the scanner's camera. The result is a perfectly dimensioned digital replica of the space that can be viewed as a virtual tour.

Verifying the site in this way eliminates the potential for human error and allows for accuracy unattainable with manual techniques.

Many still question how this information is valuable. On paper, this service looks like an additional

cost. Scanning, however, more than pays for itself by reducing and eliminating project mistakes and speeding up the project timeline. Here are a few ways that scanning delivers ROI throughout the project lifecycle.

1. Up-to-date and accurate site measurements

How often do inaccurate site measurements cause costly project hiccups? Too often, out of date or unreliable documentation is used to create project plans. This sets the project on a crash course towards unforeseen additional costs and timeline delays from day one. Verifying the site at the beginning of the preconstruction phase with 3D scanning gives the project's engineering and design teams the as-built documentation they need to avoid costly mistakes down the line.

2. Remote coordination

In addition to reducing the potential for mistakes, the scan's 3D virtual tour allows project stakeholders to visit the site whenever needed. Being able to visit sites virtually is valuable, considering current events. Since the breakout of COVID-19, traveling is complicated. Analysts are predicting that com-

panies will continue to have restrictive travel policies for the next few years to protect their people and mitigate risk.

To adapt to these changing times, teams on opposite sides of the country need a way to coordinate project plans without in-person meetings or site visits. Scanning gives stakeholders this option with a 3D virtual tour. This real-world view is accurate within an eighth of an inch and makes it easy to get familiar with the project and coordinate plans. This freedom to visit, measure and verify plans decreases the likelihood of faulty designs.

3. Clash detection

The clarity that the scan provides helps with more than just planning and communication. It can also assist in preventing trade errors. With an up-to-date and accurate site plan, trades are less likely to conflict with one another. Each trade can use the scan to communicate and coordinate instead of drafting in isolation from one another. Using the 3D scan as an as-built allows costly clashes to be noticed and corrected.

Building Information Modeling (BIM) takes these capabilities even further. By importing the project's 3D models into the scan, the virtual tour becomes a project road map that can inform all teams on each stage of the job. This heightened communication allows field team progress to be systematic, productive and streamlined.

4. Decreased rework

By clash detecting and preventing design hiccups, 3D scanning also reduces rework. Data from Autodesk found that 70% of rework is due to faulty designs. Trusting the scanner to measure and assist with the coordination leads to better solutions and the opportunity for skilled workers to do things correctly the first time.

This elimination of rework leads to time savings and is a benefit for the overall health of the project as rework is the ultimate timeline killer. In a 2016 study by Dr. Heather Moore and Dr. Perry Daneshgari, rework negatively affected productivity by 300% percent. Dr. Moore summarized it like this, "for example, if your rework is an average of 10% of the total work completed on the job, then its impact on the job is wasting 30% of the labor."



California Sub-Bid Request Ads

**Request for Proposals for Scope III
Bid Solicitation 7
SFPUC - Southeast Plant
New Headworks Construction**

ADVERTISEMENT FOR SUBCONTRACTOR PROPOSALS

Subject to conditions prescribed by the City and County of San Francisco, CA responses to this bid request are sought from subcontractors for Structural Steel, Dampproofing and Sealants, Doors, Overhead Doors, Glass and Glazing, Overhead Crane Procurement, Aluminum Grit Tank Covers.

PROJECT DESCRIPTION:

The intent of this project is to replace the existing Headworks Facility at the SE Water Pollution Control Plant with a new all-weather 250 MGD Headworks Facility. This is solicitation 7 for Scope III New Headworks Construction.

SCOPE / DRAWINGS:

The drawings for Scope III are included in the Plan Room on Smartbidnet.com. The scopes being sought for this project are as follows:

- 3-19 Structural Steel - Furnish and Install - 20% LBE Requirement
- 3-25 Dampproofing and Sealants - 20% LBE Requirement
- 3-27 Doors - 20% LBE Requirement
- 3-28 Overhead Doors - 20% LBE Requirement
- 3-29 Glass and Glazing - 20% LBE Requirement
- 3-40 Overhead Crane Procurement - 0% LBE Requirement
- 3-66 Aluminum Grit Tank Covers - 0% LBE Requirement

PRE-QUALIFICATION OF PROSPECTIVE SUBCONTRACTORS: The Owner has determined that subcontractors who submit bids to Sundt/Walsh on this Project must be pre-qualified. Those subcontractors who pre-qualify will be allowed to bid on the above Scope of Work.

Interested firms may obtain Pre-qualification Documents on the Smartbidnet.com website or by contacting David Cooley, via e-mail at dcooley@sundt.com. All prequal documentation must be submitted by November 12, 2020.

LOCAL BUSINESS ENTERPRISE (LBE) REQUIREMENTS: The following project-wide LBE participation requirement is: LBE-15%. Each Bid Package has a specific LBE requirement as indicated above. Any proposals that fail to meet the Bid Package LBE requirement will be deemed non-responsive.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) REQUIREMENTS: All subcontractors are hereby notified that it is expected that work to be performed under this contract will be in full or in part financed by the Clean Water State Revolving Fund (SRF), administered by the United States Environmental Protection Agency (US EPA) and the State Water Resources Control Board (SWRCB). Bidders shall comply with all applicable terms and conditions, special provisions, and reporting requirements, as set forth in these specifications, and as may be required by federal law, rule, or regulation. Additionally, meeting the project-wide Fair Share Objective is encouraged: MBE-6.4%, WBE-2.0%. Refer to Contract Section 00 48 10.01, Paragraph 2 for more information.

PRE-BID MEETING DATE:

There will be an on-line Pre-Bid meeting on November 5, 2020 at 2:00 pm. The meeting will be held via Microsoft Teams video conferencing. Please email David Cooley, dcooley@sundt.com, if you would like to attend.

BID DUE DATE: All bid documents must be submitted no later than December 10, 2020 by 2:00 p.m, California Time.

Confidentiality of the information provided will be respected to the extent permitted by law.

QUESTIONS: Direct all project specific questions to David Cooley at Sundt/Walsh. All questions should be submitted via e-mail. The e-mail address is Dcooley@sundt.com.

We are requesting subcontractor and supplier quotes/bids specifically from DBE's including but not limited to MBE/WBEs for the:

**EBMUD - Sobrante Water Treatment Plant Maintenance & Safety Improvements • Specification 2159
In El Sobrante, CA**

PROJECT SCOPE:

Work includes select demolition and replacement of built up roofing, replacement of baffle walls in the flocculation basins, replacement of valves at aeration basins, replacement of slide gates at sedimentation basins, replacement of washwater valves at washwater filters, replacement of roofs at washwater settling basins, new roof at clarifier structure, maintenance platform at LOX facility, replace joint sealant at clearwell and settling basins, non-slip coatings, removal of hazardous materials.

We are requesting bids for the following trades and/or material suppliers:

Site Demolition, Cast-in Place Concrete, Painting & Industrial Coatings, Access Hatches, Hazardous Materials Abatement, Waterproofing, Metal Fabrications, Ladders / Skylights, Concrete Reinforcing, Roofing, Rough Carpentry, Valves

Let us know if you need work items separated into smaller tasks or quantities to allow your participation. We will accommodate requests whenever possible and when economically feasible.

Plans may be viewed at our office or your local Builders Exchange. Plans are also available directly from the Owner EBMUD (510) 287-1754 hard copy or on EBMUD's website. EBMUD's website is:

<https://construction-bids.ebmud.com/CurrentorFutureBid.aspx?BidMode=Current>

100% Payment and Performance Bonds are required. Insurance will be required. Please contact us with any questions. We will provide assistance with bond and insurance requirements.

We are an Equal Opportunity Contractor.

Please respond by phone or fax if you are interested in bidding on this project.

Garney Pacific, Inc. is signatory to Laborers & Operators unions.

TAFT ELECTRIC COMPANY

1694 EASTMAN AVENUE,
VENTURA, CA 93003
Phone: (805) 642-0121 • Fax: (805) 650-9015
Contact: Arnold Tostado
Email: atostado@taftelectric.com

Invites sub-bids from qualified
MBE, DVBE, DBE, WBE
businesses for the following project:

**Pedestrian Crossing
Improvements Countywide
Specification No. RD21-05
Location: County of Ventura**

BID DATE: 11/03/2020

**Scope of work/Trades:
Traffic Control; Storm Water Pollution
Control; Traffic Signal Material;
Pedestrian Rectangular Rapid Flashing
Beacon & Signs Material**

We are an Equal Opportunity Employer and intend to seriously negotiate with qualified Minority Business Enterprise, Disabled Veteran Business Enterprises, Disadvantaged Business Enterprise, Women Business Enterprise, subcontractors and suppliers for project participation.

Payment and performance bonds may be required. Please contact us at the above listed number for further information regarding bidding on this project. To the best of our abilities we will help with bonds/insurance/credit. Plans are available for viewing at our office.

We Are An Equal Opportunity Employer

SBE OUTREACH SERVICES

With 1.5 million businesses in our database, SBE is California's #1 source for diversity outreach.

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Placed in the Small Business Exchange newspaper, SBE Today newsletter, and online at www.sbeinc.com

Faxed and Eblast Solicitations

Targeted mailings sent to businesses per your criteria.

Telemarketing

Telephone follow-up calls that follow a script of 5 questions you create.

Computer Generated Reports

Will fit right into your proposal, along with a list of interested firms to contact.

Contact Info:

795 Folsom Street, 1st Flr, Room 1124
San Francisco, CA 94107
Email: sbe@sbeinc.com
Website: www.sbeinc.com
Phone: (415) 778-6250, (800) 800-8534
Fax: (415) 778-6255

Publisher of

Small Business Exchange
weekly newspaper



California Sub-Bid Request Ads

DESILVA GATES CONSTRUCTION

11555 Dublin Boulevard • P.O. Box 2909
Dublin, CA 94568-2909
(925) 829-9220 / FAX (925) 803-4263
Estimator: Jack Shewmaker
Website: www.desilvagates.com
An Equal Opportunity/
Affirmative Action Employer

DeSilva Gates Construction (DGC) is preparing a bid as a Subcontractor to Flatiron on the following project. DGC will be looking for DBE subcontractors for the Pavement Demolition, Drainage, Earthwork & AC Paving portion of this project.

US 50 MULTIMODAL CORRIDOR ENHANCEMENT AND REHABILITATION PROJECT
Project ID 0319000029
Contract No. 03-0H08U4
Federal Aid Project No. STPL-5916(132)
Disadvantaged Business Enterprise Goal Assigned is 16%

OWNER:
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
1727 30th Street, Bidder's Exchange, MS 26,
Sacramento, CA 95816

REVISED Bid Date:
November 18th, 2020 @ 2:00 P.M.

DGC is soliciting quotations from certified Disadvantaged Business Enterprises, for the following types of work and supplies/materials including but not limited to:

AC DIKE, ADL BURIAL LOCATION REPORT, AGGREGATE CRUSHING SUBCONTRACTOR, COLD PLANE, EMULSION SUPPLIER, FILTER FABRIC, LEAD COMPLIANCE PLAN, PIPE LINING, REINFORCED CONCRETE PIPE, JACKED REINFORCED CONCRETE PIPE, CORRUGATED METAL PIPE, SAWCUTTING, TESTING, TRAFFIC CONTROL SYSTEMS, UNDERGROUND, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL.

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from Flatiron's electronic data room: <https://app.buildingconnected.com/public/54ef40ccc3e104070053c371>.

Fax your bid to (925) 803-4263 to the attention of Estimator Jack Shewmaker. If you have questions for the Estimator, call at (925) 829-9220. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at www.dir.ca.gov/Public-Works/PublicWorks.html

If you need DBE support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 829-9220, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center (www.transportation.gov/osdbu/SBTRCs). DGC is willing to breakout portions of work to increase the expectation of meeting the DBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVALING WAGE JOB. DGC is an Equal Opportunity/Affirmative Action Employer.

DESILVA GATES CONSTRUCTION

11555 Dublin Boulevard • P.O. Box 2909
Dublin, CA 94568-2909
(925) 829-9220 / FAX (925) 803-4263
Estimator: Eric Allred
Website: www.desilvagates.com
An Equal Opportunity/
Affirmative Action Employer

DeSilva Gates Construction (DGC) is preparing a bid as a Prime Contractor for the project listed below:

2018 RSTP Arterial Resurfacing Project
Contract No. 400096 Federal Aid # 5182(077)
Disadvantaged Business Enterprise Goal Assigned is 15%

OWNER:
City of Roseville
311 Vernon Street, Roseville, CA 95678

Revised Bid Date:
NOVEMBER 9th, 2020 @ 3:00 P.M.

DGC is soliciting quotations from certified Disadvantaged Business Enterprises, for the following types of work and supplies/materials including but not limited to:

Adjust Iron, Cold Plane, Construction Area Signs, Electrical, Emulsion supplier, Minor Concrete, Slurry Seal, Striping, SWPPP Prep/Water Pollution Control Plan Prepare, Temporary Erosion control, Testing, Traffic Control Material Supplier, Traffic Control/Engineer, Trucking, Water Trucks, Street Sweeping, Hot Mix Asphalt (Type A) Material.

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or 3855 N Freeway Blvd Suite 100, Sacramento, CA 95834, or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from the Owner's site at https://www.roseville.ca.us/business/procurement_services/bids_rfps

Fax your bid to (925) 803-4263 to the attention of Estimator Eric Allred. If you have questions for the Estimator, call at (925) 829-9220. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at www.dir.ca.gov/Public-Works/PublicWorks.html

If you need DBE support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 829-9220, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center (www.transportation.gov/osdbu/SBTRCs). DGC is willing to breakout portions of work to increase the expectation of meeting the DBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVALING WAGE JOB. DGC is an Equal Opportunity/Affirmative Action Employer.

DESILVA GATES CONSTRUCTION

11555 Dublin Boulevard • P.O. Box 2909
Dublin, CA 94568-2909
(925) 829-9220 / FAX (925) 803-4263
Estimator: VICTOR LE
Website: www.desilvagates.com
An Equal Opportunity/
Affirmative Action Employer

DeSilva Gates Construction (DGC) is preparing a bid as a Prime Contractor for the project listed below:

CALTRANS ROUTE 99 - CONSTRUCTION ON STATE HIGHWAY IN MERCED COUNTY IN MERCED FROM 0.2 MILE SOUTH OF CHILDS AVENUE OVERCROSSING TO 0.2 MILE SOUTH OF FRANKLIN ROAD OVERCROSSING

Contract No. 10-1C1704,
Federal Aid Project No. ACNH-P099(662)E
Disadvantaged Business Enterprise Goal Assigned is 16%

OWNER: STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
1727 30th Street, Bidder's Exchange, MS 26,
Sacramento, CA 95816

Bid Date: NOVEMBER 18, 2020 @ 2:00 P.M.

DGC is soliciting quotations from certified Disadvantaged Business Enterprises, for the following types of work and supplies/materials including but not limited to:

CLEARING AND GRUBBING/DEMOLITION, CONCRETE BARRIER, CONSTRUCTION AREA SIGNS, CHANNELIZERS, BARRICADES, OBJECT MARKERS, ELECTRICAL, EROSION CONTROL, ADL, HAZARDOUS MATERIAL, LANDSCAPING, LEAD COMPLIANCE PLAN, METAL BEAM GUARDRAIL, MINOR CONCRETE, MINOR CONCRETE STRUCTURE, PCC PAVING, RUMBLE STRIP, SIGN STRUCTURE, STRIPING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TEMPORARY EROSION CONTROL, TRAFFIC CONTROL SYSTEMS, UNDERGROUND, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL.

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from the Owner's site at www.dot.ca.gov/hq/esc/oe/weekly_ads/all_adv_projects.php

Fax your bid to (925) 803-4263 to the attention of Estimator Victor Le. If you have questions for the Estimator, call at (925) 829-9220. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at www.dir.ca.gov/Public-Works/PublicWorks.html

If you need DBE support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 829-9220, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center (www.transportation.gov/osdbu/SBTRCs). DGC is willing to breakout portions of work to increase the expectation of meeting the DBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVALING WAGE JOB. DGC is an Equal Opportunity/Affirmative Action Employer.

SMALL
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California Sub-Bid Request Ads

DESILVA GATES CONSTRUCTION

11555 Dublin Boulevard • P.O. Box 2909
Dublin, CA 94568-2909
(925) 829-9220 / FAX (925) 803-4263
Estimator: JIM YACKLEY
Website: www.desilvagates.com
An Equal Opportunity/
Affirmative Action Employer

DeSilva Gates Construction (DGC)
is preparing a bid as a Prime Contractor
for the project listed below:

WEST TEXAS STREET GATEWAY IMPROVEMENT

District 04, Route 80,
Contract No. 04-4G3204, 04-SOL-80-17.2
Disabled Veteran Business Enterprise Goal
Assigned is 3%

OWNER: CITY OF FAIRFIELD
1000 Webster Street, Fairfield, CA 94533

**REVISED BID DATE:
NOVEMBER 10, 2020 @ 2:00 P.M.**

DGC is soliciting quotations from certified Disabled Veteran Business Enterprises, for the following types of work and supplies/materials including but not limited to:

AC DIKE, CLEARING AND GRUBBING/DEMOLITION, COLD PLANE, CONSTRUCTION AREA SIGNS, CPM SCHEDULING CONSULTANT, ELECTRICAL, EROSION CONTROL, FENCING, K-RAIL SUPPLIER, LANDSCAPING, LEAD COMPLIANCE PLAN, MINOR CONCRETE, PCC PAVING, ROADSIDE SIGNS, ROADWAY EXCAVATION, STRIPING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TEMPORARY EROSION CONTROL, UNDERGROUND, TRUCKING, WATER TRUCKS, STREET SWEEPING, IMPORTED BORROW, CLASS 2 AGGREGATE BASE MATERIAL, CLASS 4 AGGREGATE BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL, ASPHALT BINDER.

Plans and specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from the Owner's site at <http://www.fairfieldplan-room.com/>

Fax your bid to (925) 803-4263 to the attention of Estimator Jim Yackley. If you have questions for the Estimator, call at (925) 829-9220. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at www.dir.ca.gov/Public-Works/PublicWorks.html

If you need DVBE support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 829-9220, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center (www.transportation.gov/osdbu/SBTRCs). DGC is willing to breakout portions of work to increase the expectation of meeting the DVBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVAILING WAGE JOB. DGC is an Equal Opportunity/Affirmative Action Employer.

DESILVA GATES CONSTRUCTION

11555 Dublin Boulevard • P.O. Box 2909
Dublin, CA 94568-2909
(925) 829-9220 / FAX (925) 803-4263
Estimator: Jack Shewmaker
Website: www.desilvagates.com
An Equal Opportunity/
Affirmative Action Employer

DeSilva Gates Construction (DGC)
is preparing a bid as a Prime Contractor
for the project listed below:

BART - Hayward Maintenance Complex - Phase 2 Civil Grading

Contract No. 01RQ-102
Disadvantaged Business Enterprise Goal
Assigned is 28%

OWNER:
San Francisco Bay Area Rapid Transit District,
300 Lakeside Drive, 23rd fl., Oakland, CA 94612

Bid Date: December 1st, 2020 @ 2:00 P.M.

DGC is soliciting quotations from certified Disadvantaged Business Enterprises and Small Business Enterprises, for the following types of work and supplies/materials including but not limited to:

Bridge, Clearing and Grubbing/Demolition, Electrical, Erosion Control, Fencing, Minor Concrete, Minor Concrete Structure, Reinforced Concrete Pipe/Jacked Reinforced Concrete Pipe/Corrugated Metal Pipe, SWPPP Prep Water Pollution Control Plan Prepare, Tree Removal/Trimming, Underground, Trucking, Water Trucks, Street Sweeping, Imported Borrow, Class 2 Aggregate Base Material, Hot Mix Asphalt (Type A) Material.

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or 3855 N Freeway Blvd. Suite 100, Sacramento, CA 95834, or reviewed and downloaded from the DeSilva Gates ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd). Prospective Bidders or Interested Parties (including prospective Subcontractors of any tier) who are not currently registered on the BART Procurement Portal to do business with BART are required to register on the BART Procurement Portal on line at www.suppliers.bart.gov in order to download the Contract Documents and then submit the completed Contract Documents' Order Form to the District Secretary's Office, San Francisco Bay Area Rapid Transit District, 300 Lakeside Drive, Oakland, California 94612.

Fax your bid to (925) 803-4263 to the attention of Estimator Jack Shewmaker. If you have questions for the Estimator, call at (925) 829-9220. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at www.dir.ca.gov/Public-Works/PublicWorks.html

If you need DBE support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 829-9220, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center (www.transportation.gov/osdbu/SBTRCs). DGC is willing to breakout portions of work to increase the expectation of meeting the DBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVAILING WAGE JOB. DGC is an Equal Opportunity/Affirmative Action Employer.

Request for Quotes from Certified DBE
Subcontractors and Suppliers
Project: Route 101 Ventura PCC and Approach Slabs
Contract No. 07-302404

Owner: Department of Transportation (CALTRANS)
BID SUBMITTAL DATE: October 27, 2020 at 2:00 PM
Federal-Aid Project ACSB1NH-Q101(385)E

Request for quotes from Certified DBE's Subcontractors and Suppliers for the following, but not limited to scopes of work: Aggregate Supply, Asphalt Dike, Asphalt Paving, CIDH (Sign Foundation), Clear & Grub, Cold Plane, Concrete Barrier, Concrete Supply, Construction Area Signs, Electrical, Grind Existing Concrete Pavement, Guardrail, Joint Seal, Minor Concrete, Miscellaneous Iron and Steel Supply, Overhead Signs, PCC Material Supply, Quality Control and Material Testing, Ready Mix Concrete, Reinforcing Steel, Roadside Signs, Saw and Seal PCC, Street Sweeping, Striping, Temporary Railing (Type K).

**PLEASE SUBMIT QUOTES BY FAX TO (760)
471-4860 OR**

EMAIL TO SoCalBids@FlatironCorp.com

Plans and specifications are available, at no cost from Caltrans website <http://ppmoe.dot.ca.gov/des/oe/weekly-ads/specs-ntb.php?c=07-302404> (Registration Required). Additionally, plans and specifications are available at Flatiron's San Diego, CA and Chino Hills, CA offices. Please call to make an appointment to view plans and specifications.

This project has a 13% DBE Goal. In addition to request for participation from Certified DBE subcontractors and suppliers, Flatiron requests non-DBE subcontractors to provide lower-tier DBE subcontractor and/or supplier participation. Bidders are required to indicate lower-tier DBE participation, as it will be evaluated as part of their quote.

Flatiron analyzes and considers each DBE quote, including those that are broken down into economically feasible units to facilitate bidding. Assistance in obtaining bonding, lines of credit, insurance, equipment, supplies and materials is available upon request. Additionally, please contact us if you require technical assistance.

Quotations must be valid for same duration as specified by Owner for contract award.

Subcontractors are required to possess and maintain a current contractor's license and must also be registered with the Department of Industrial Relations (DIR) as required by Public Contract Code Section 1725.5. Subcontractors will be required to execute Flatiron's Standard Subcontract Terms and Conditions and insurance requirements. A copy of our Standard Subcontract Terms and Conditions is available in electronic format upon request.

Bond Requirements: Notwithstanding any contrary language in a bid to Flatiron or any prior course of dealing between Flatiron and a bidder, and unless waived in writing by Flatiron, Flatiron reserves the right to require each bidder to provide payment and performance bonds assuring bidder's obligations to Flatiron in the amount of 100 percent of the bid to Flatiron. Flatiron will reimburse the bond premium at actual cost not to exceed 3%. The surety on the bonds must be a California admitted surety. WE ARE AN EQUAL OPPORTUNITY EMPLOYER.

Flatiron West, Inc.

16470 W. Bernardo Drive, Suite 120,
San Diego, CA 92127

Phone (760) 916-9100 / FAX (760) 471-4860

Email: socalbids@flatironcorp.com

Point of Contact: Jannette Carter, Estimating Admin.

WE ARE AN EQUAL OPPORTUNITY EMPLOYER

Honoring Our Nation's Heroes During National Veterans Small Business Week

[Article was originally posted on www.forconstructionpros.com]

By Jovita Carranza,

On Nov. 2-6, we celebrate the 2.5 million veteran-owned small businesses nationwide.

Resilience, poise, adaptability – not only do these traits define our Nation's service members, veterans, and military spouses, but they are also critical ingredients for successful entrepreneurs. At the U.S. Small Business Administration, we recognize the value the military community brings to our great country through their service in the armed forces and as small business owners who contribute more than \$1 trillion in sales to the U.S. economy on an annual basis.

Our duty as an agency is to ensure these entrepreneurs are empowered and celebrated at every stage of business ownership. The SBA uses National Veterans Small Business Week—Nov. 2 through Nov. 6—to do just that.

During these unprecedented times, it's vital to strengthen all small businesses as they work to pivot and readjust. This unique opportunity drives this year's National Veterans Small Business Week theme, "#VetBiz Resources in Your Local Community." We want to help veterans—those considering starting and working to grow their businesses—to see the importance of tapping into local resources while establishing strong community connections to thrive in the future.

The SBA and its local resource partner networks are a great place to start for veterans looking for transition assistance, entrepreneurial training, government contracting opportunities, disaster assistance, and capital access.

National Veterans Small Business Week

Nov 2 – 6, 2020 | sba.gov/nvsbw



Take it from Rick Messer – Marine combat veteran and proud owner of Marine Micros, an organic microgreen company based in Lynn Haven, Florida. When Hurricane Michael devastated much of the area's infrastructure in October 2018, Rick started Marine Micros to replenish the fresh produce and food supply chain that was cut off after the storm. Rick worked with his local Veterans Business Outreach Center throughout his business journey and applied for a much-needed SBA Economic Injury Disaster Loan, which helped him sustain and even grow his microgreens operation.

U.S. Air Force veteran John DeHoff and his spouse Carina also teamed up with the SBA while building their recreational vehicle business, Leisureland RV Center in Boise, Idaho. They participated in the SBA's Boots to Business program and learned about the fundamentals of business ownership. Since opening in 2015, Leisureland RV has grown from a small dealership into a company that serves

the entire western United States. This year, we recognized this husband and wife duo during National Small Business Week as the SBA 2020 Idaho Small Businesspersons of the Year.

NVSBW activities and events are happening nationwide to honor veteran and military entrepreneurs, just like Rick, John, and Carina, and you. If you're a veteran, member of the military, or military spouse looking for business guidance, we encourage you to reach out to one of our local resource partners and get involved in this week's events to learn more about the many SBA community resources available to you.

For more information about NVSBW, check out sba.gov/nvsbw. You can also join the conversation on social media using the hashtag #VetBiz.

SOURCE: <https://www.sba.gov/blog/honoring-our-nations-heroes-during-national-veterans-small-business-week>

Does 3D Scanning Live Up to the Hype for the Construction Industry?

Continued from page 1

According to this study, up to 30% of all work completed on a job is rework. This extension of deadlines leads to an increased budget and negatively affects the bottom line.

5. Increased profit margins

There are financial implications also. A recent survey from the Navigant Construction Forum shows that rework can cost almost 10% of the project's total value. As is commonly understood, construction projects are a game of margins. The top priority is to work as productively and efficiently as possible to maximize the budget and make a decent profit. While it does not prevent all

rework costs, scanning prevents a lot by providing a clear outline of the project.

By relying on scanning during the design process, field teams finish tasks smoothly, measurements are near perfect, and plans are sound. A recent case study published by DJM described how they were able to design 33,000 square feet of duct in less than four days. A customer story from Faro found that scanning reduced project costs by 20%. Companies that refuse to use 3D scanning are going to be outbid by those using it in the future.

Over the past few months, COVID-19 has caused an industry-wide digital transformation. The pandemic has forced stakeholders to examine their current technologies and modernize operations,

but many are still resisting change. These unoptimized processes waste over a quarter of the construction worker's time. Outdated workflows cost the industry an estimated \$177 billion in losses annually.

Refusing to adopt construction technologies can negatively affect a company's financial prospects by harming the profit margins. The bottom line is that practices like 3D scanning are proving their validity and will eventually be industry standard. It is time to jump on the bandwagon.

SOURCE: www.forconstructionpros.com/construction-technology/article/21200783/does-3d-scanning-live-up-to-the-hype-for-the-construction-industry



California Sub-Bid Request Ads



Gallagher & Burk, Inc.

344 High Street • Oakland, CA 94601
Phone: (510) 261-0466 • FAX (510) 261-0478
Estimator: **VICTOR LE**
Website: www.gallagherandburk.com

Gallagher & Burk, Inc. (GBI) is preparing a bid as a Prime Contractor for the project listed below:
CALTRANS ROUTE 101 - CONSTRUCTION ON STATE HIGHWAY IN THE CITY AND COUNTY OF SAN FRANCISCO FROM VAN NESS AVENUE TO LYON STREET, Contract No. 04-3E6024 Disabled Veteran Business Enterprise Goal Assigned is 3%

**OWNER: STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
1727 30th Street, Bidder's Exchange, MS 26,
Sacramento, CA 95816**

BID DATE: NOVEMBER 4, 2020 @ 2:00 P.M.

GBI is soliciting quotations from certified Disabled Veteran Business Enterprises, for the following types of work and supplies/materials including but not limited to:

ADJUST IRON, CLEARING AND GRUBBING/DEMOLITION, COLD PLANE, CONSTRUCTION AREA SIGNS, ELECTRICAL, MINOR CONCRETE, INDIVIDUAL SLAB REPLACEMENT, STRIPING, SURVEY/STAKING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TRUCKING, WATER TRUCKS, STREET SWEEPING, HOT MIX ASPHALT (TYPE A) MATERIAL, RUBBERIZED HMA (GAP GRADE) MATERIAL.

Plans and specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25gallagherburk.com:7pa55wd@pub.gallagherburk.com> (if prompted the username is <ftp://ftp%25desilvagates.com> and password is [7pa55wd](ftp://ftp%255wd)) or from the Owner's site at www.dot.ca.gov/hq/esc/oe/weekly_ads/all_adv_projects.php

Fax your bid to (510) 261-0478 to the attention of Estimator Victor Le. If you have questions for the Estimator, call at (510) 261-0466. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at www.dir.ca.gov/Public-Works/PublicWorks.html

If you need DVBE support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (510) 261-0466, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center (www.transportation.gov/osdbu/SBTRCS). GBI is willing to breakout portions of work to increase the expectation of meeting the DVBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a Prevailing Wage Job. GBI is an Equal Opportunity/Affirmative Action Employer.



CAL LIC. NO. 723241
11555 Dublin Boulevard
Dublin, CA 94568-2909
Phone: (925) 803-4333 • FAX: (925) 803-4334
ESTIMATOR: Michael Collings
EMAIL: mcollings@pacificstates.net

Pacific States Environmental Contractors, Inc. (PSEC) is preparing a bid as a Prime Contractor for the project listed below:

**PROJECT:
1224 D Street Soil Abatement 2020
IFB NO. 2044-DSdd**

**OWNER:
Sacramento Housing and Redevelopment Agency
Procurement Services 2nd Floor
801 12th Street, Sacramento, CA 95814**

BID DATE: November 10, 2020 @ 2PM

We hereby encourage responsible participation of certified M/WBE Minority Business Enterprise and Women Business Enterprise and solicit their subcontractor or materials and/or suppliers quotation for the following types of work including but not limited to:

TREE REMOVAL

Plans and specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange.

Fax your bid to (925) 803-4334 to the attention of Estimator Michael Collings. If you have questions for the Estimator, call at (925) 361-1424. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at www.dir.ca.gov/Public-Works/PublicWorks.html

If you need support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 361-1424. PSEC is willing to breakout portions of work to increase the expectation of meeting the M/WBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVAILING WAGE JOB. PSEC is an Equal Opportunity/Affirmative Action Employer.

REQUESTING SUB BIDS FOR ALL TRADES
INCLUDING QUALIFIED SBE & DVBE
SUBCONTRACTORS & SUPPLIERS ON
THE FOLLOWING PROJECT

**LAUSD Belvedere Middle School
Comprehensive Modernization Project
Los Angeles, California**

Bid due dates will vary, inquire for details



HENSEL PHELPS
Plan. Build. Manage.

(An Equal Opportunity Employer)
18850 Von Karman Avenue, Suite 100, Irvine, CA
(949) 852-0111 • (949) 852-0218 (FAX)
Michelle Keyser, mkeyser@henselphelps.com

Subcontracts awarded on this project will be on the Hensel Phelps Construction Co. standard form subcontract and may include a requirement to provide payment & performance bonds from a T-Listed surety at the subcontractor's expense. HPCC will assist in obtaining bonds, lines of credit or insurances required.



Kiewit

Kiewit Infrastructure West Co.

4650 Business Center Drive Fairfield, CA 94534
Attn: Krista Christensen at norcal.bids@kiewit.com
Fax (707) 439-7301

Requests quotes from qualified Subcontractor, Service Providers, Consultants, and/or Suppliers seeking to participate for the following project in Antioch, CA:

Brackish Water Desalination Project

Project No. PW 694

Owner: City of Antioch

Bid Date: November 17, 2020 @ 2:00 P.M.

Subcontractor and Supplier Scopes are due November 10, 2020 and Quotes

NO LATER THAN November 16, 2020 at 5 PM.

Kiewit requests Disadvantaged Business Enterprise (DBE), Minority Business Enterprise (MBE), Women Business Enterprise (WBE), Small Business Enterprise (SBE), Small Business in a Rural Area (SBRA), Labor Surplus Area Firm (LSAF), or Historically Underutilized Business (HUB) Zone Businesses for the following scopes, but not limited to:

Aggregates • Asphalt Paving • Cathodic Protection • CCTV • Concrete Formwork & Accessories • Concrete Pumping • Concrete Supply • Concrete, Cast in Place • Concrete, Minor • Demolition • Dewatering • Diving • Drilled Concrete Piers • Earthwork • Electrical • Electrical Supply • Electrical Testing • Erosion Control • Fence • FRP • Grouting • Horizontal Directional Drilling • HVAC • Masonry • Mechanical Equipment • Metal Decking • Miscellaneous Metals • MSE Walls • Openings • Paintings & Coatings • Pavement Markings • Piling • Piping & Valves • Precast Structures • Quality Assurance/Quality Control • Rebar • Sawcutting • Shotcrete • Signage • Soil Nail Wall • Steel Joists • Sweeper Truck • Tanks (FRP and Steel) • Temporary Facilities • Thermal & Moisture Protection • Traffic Control • Trucking & Hauling • Water Truck

Certified thru, but not limited to, any of the following agencies:

www.mbdba.gov ; www.epa.gov ;

www.sba.gov ; dot.ca.gov

Non DBE firms are encouraged to contract with a group of lower tier DBEs or individual DBEs.

Plans are available for viewing at our office at our address below by appointment only or download at <https://www.antiochplanroom.com/jobs/>

or through SmartBidNet (SBN). All companies registered in our SBN database will receive an invitation to bid.

Please visit <https://www.kiewit.com/districts/northern-california/overview> to register your company to be able to receive bidding information, Plans and Specifications.

Performance and Payment Bonds may be required for Subcontractors, and Supply Bond for permanent material Suppliers on this project. Please contact Kiewit for any assistance in bonding, insurance, equipment, materials and/or supplies.

Subcontractors must possess & provide current California contractor's license number & DIR Registration number.

Each subcontractor must comply with the terms of the Project Stabilization Agreement. Non-signatory subcontractors will be required to sign an agreement for trades covered under this Project Stabilization Agreement.

Subcontractors and Suppliers will be required to execute Kiewit standard agreements and agree to Kiewit standard general terms and conditions. Copies are available for review through our SmartBidNet (SBN) site.

CA Drinking Water State Revolving Fund (CASRF) applies American Iron and Steel requirements apply Davis-Bacon and California prevailing wage rates apply

An Equal Opportunity Employer

CA Lic. 433176

DIR #: 1000001147



California Sub-Bid Request Ads

SWINERTON



**INVITATION TO PREQUALIFY AND BID FOR
AIRPORT POWER GENERATION & DISTRIBUTION UPGRADES
JOHN WAYNE AIRPORT
PROJECT NO: P404**

APPLICABLE TRADES

Site Concrete, CMU, Structural Steel, Misc. Metals; Roofing (patching) Painting; Plumbing; HVAC; Electrical (including Solar and 12kV distribution); Fire Alarm; Data/Comm; Trailers; Chain-link Fence & Gate; Fireproofing.

APPLICANTS

Prequalified Trade Contractors will be eligible to bid the project. If interested in prequalifying and bidding, please contact vmiguel@swinerton.com or 213.896.3439 for the prequalification forms. Do NOT contact the County of Orange, John Wayne Airport, Architect or any of the project Consultants. All queries direct to Swinerton.

REQUIRED SUBMITTALS

1. Submit all documents required for Swinerton Prequalification.
 - a. Visit: <http://www.swinerton.com/subcontractors/subcontractor-prequal>
2. RFP forms provided with bid documents
3. Complete Review of and Sign Swinerton Master Service Agreement.

DUE DATE FOR PREQUALIFICATIONS APPLICATIONS

For all subcontractors not prequalified with Swinerton, all documents required for Swinerton Prequalification are due by Friday, October 30, 2020 5:00PM PST

PROJECT INFORMATION AND DESCRIPTION:

The objectives of the Airport Power Generation and Distribution Upgrades project include improved airport Central Utility Plant (CUP) power reliability and resiliency and a reduction in the usage of SCE electrical power. To achieve these objectives, the project provides for the installation of solar photovoltaic (PV) system on the upper level of Parking Structure C, the installation of a battery energy storage system (BESS, 12kV power distribution upgrades, and the installation of a microgrid control system and upgrades.

ANTICIPATED BID START DATE

Friday, October 16, 2020 1:00PM PST

NON-MANDATORY JOB WALK

October 26 & 27, 2020, Time TBD

DUE DATE FOR BID RFI's

Friday, October 30, 2020 1:00PM PST

DUE DATE FOR TRADE CONTRACTOR BIDS

Friday, November 13, 2020 at 5:00PM PST

Submit Bids to Swinerton Estimating at: EstimatingLA@swinerton.com

Swinerton is an Equal Employment Opportunity, Minority, Women, Disability, and Veteran Employer

**Owner: City and County of San Francisco (CCSF)
San Francisco Public Utilities Commission (SFPUC)
Project: North Shore Pump Station
Wet Weather Improvements • Project No.: WW-685R**

Bid Date: November 19, 2020 • Bid Time: 2:00 p.m. • Quote Due: November 19, 2020 by 12:00 p.m.

NTK Construction, Inc.

501 Cesar Chavez St., Suite 115 • San Francisco, CA 94124
415-643-1900 (phone) • 415-643-1300 (fax) <http://www.ntkconstruction.com> (website)

Estimator: Tin Tran - tran@ntkconstruction.com

We, NTK Construction, Inc. (NTK), will be bidding this project as a prime contractor and we are interested in receiving proposals/quotes from qualified and certified LBE, DBE, MBE, WBE, DVBE subcontractors and suppliers for the following items of work: (but not limited to)

Concrete, Metals, Roofing, Painting, Plumbing, Mechanical, HVAC and Electrical

The objective of this project is to provide redundant effluent pumping capacity of the North Shore Pump Station (NSS) during wet weather. This project will replace existing four (4) dry weather pumps with larger capacity units so that they are capable of pumping redundant capacity during wet weather. The project also includes upgrades to the motor control centers (MCC's) and distributed control system (DCS).

The estimated cost of construction contract is 33,000,000.

Project goals: 11% LBE (local only)

The project plans and specifications may be viewed at our office (501 Cesar Chavez St., Suite 115, San Francisco, CA 94124) or may be obtained from the SFPUC. Please visit their website at <http://sfwater.org/contracts>. A confidentiality agreement is required.

Please respond to this email and let us know whether or not you are interested in submitting a quote for this project. Please include your company name, contact name, the scope you will be bidding on and the best way to contact you.

An Equal Opportunity Employer

ANVIL BUILDERS

1475 Donner Ave. San Francisco, CA 94124
Phone: 415-285-5000 • Fax: 415-285-5005

Request for DBE's

Subcontractors and Suppliers for
**Project: RUSSIAN RIVER-COTATI INTERTIE
PIPELINE SEISMIC HAZARD MITIGATION
AT THE RUSSIAN RIVER CROSSING
Agency: SONOMA COUNTY WATER AGENCY
Bid Date: Tuesday, November 17, 2020 @ 2:00 P.M.**

The Work consists of the construction of Owner's Russian River-Cotati Intertie Pipeline Seismic Hazard Mitigation at the Russian River Crossing located at 10290 Westside Road, in an unincorporated area of Sonoma County near Forestville, California. The Work includes, but is not limited to, the abandonment and replacement of section of the existing underground pipeline and construction of meter vault, flow meter, cathodic protection, air valves, and appurtenances, as well as construction of approximately 915 feet of 48-inch steel pipeline, approximately 250 feet of 42-inch steel pipeline, approximately 150 feet of 36-inch steel pipeline, approximately 150 feet of 30-inch steel pipeline, approximately 60 feet of 20-inch steel pipeline, and approximately 15 feet of 18-inch steel pipeline replacement, and temporary facilities including but not limited to deep shored trenches, cofferdams, and dewatering systems. Work shall be completed within 330 Days from the date when Contract Time commences to run. Bidding Documents contain the full description of the Work.

Seeking all trades (but not limited to): Survey, Earthwork, Clear & Grub, Demolition, Dewatering, Shoring / Sheet Piling, Trench Lining, Grouting, Tree Removal, Cathodic Protection, Underground Steel Pipe, SWPPP Implementation, Welding, Electrical, Paving, Temp Fence, Hydro-Acoustic Monitoring, Settlement Monitoring, Pipeline Abandonment, Landscaping, Hydroseeding, Testing & Inspection, Painting & Coating, Potholing, Hydrostatic Testing, Trucking, and Disinfection.

Plans, specifications, and requirements can be viewed at our office or by using the link below. <https://www.sonomawater.org/bids>

For assistance with bonding, lines of credit, insurance, or anything else regarding bidding on this project, contact Anvil Builders via phone or email.

Will you be bidding this project? Please email or fax your response to estimating@anvilbuilders.com / 415-285-5005.

Proven Management, Inc.

225 3rd Street, Oakland, CA 94607
Phone: 510-671-0000 • Fax: 510-671-1000

PMI requests proposals/quotes from all qualified and certified Small Business Enterprise (SBE) and Disadvantaged Business Enterprise (DBE) subcontractors, suppliers, and truckers for the following project:

**HAYWARD MAINTENANCE COMPLEX, PHASE 2
CIVIL GRADING • BART #01RQ-102**

Bids: 11/17/2020 @ 2pm

The work includes but is not limited to: SWPPP; Demolition; Hazardous Waste & Contamination; Precast Concrete; CIP Concrete; Concrete Reinforcing; Metal Welding; Metal Fabrications; Painting; Graffiti-Resistant Coatings; Sanitary Sewerage; Earthwork; Clearing & Grubbing; Steel Sheet Piles; Drilled Concrete Piers & Shafts; Shoring & Underpinning; AC Paving; Concrete Curbs, Gutters & Walks; Pavement Markings; Chain Link Fences & Gates; Expanded Metal Fences & Gates; Utilities; Trenching & Backfilling for Utilities; Pipe Jacking & Boring; Storm Drainage Utilities; Bioretention Areas

Bonding, insurance, lines of credit and any technical assistance or information related to the plans & specifications & requirements for the work will be made available to interested DBE and SBE certified suppliers & subcontractors. Assistance with obtaining necessary equipment, supplies, materials, or related assistance or services for this project will also be offered to interested DBE and SBE certified suppliers, subcontractors, truckers. PMI is signatory to the Operating Engineers, Carpenters, and Laborers Collective Bargaining Agreements. 100% Payment & Performance bonds will be required from a single, Treasury-listed surety company subject to PMI's approval. PMI will pay bond premium up to 1.5%. Subcontractors awarded on any project will be on PMI's standard form for subcontract without any modifications. For questions or assistance required on the above, please call.



Public Legal Notices

UNIVERSITY OF CALIFORNIA, IRVINE MEDICAL CENTER

ANNOUNCEMENT TO PREQUALIFIED BIDDERS

Subject to conditions prescribed by the University of California, Irvine Medical Center, sealed bids for a fixed fee cost plus contract are invited for the following work: **B3, 3rd Fl, Conversion to Tele/Med-Surg, Project Number: 994664.**

Description of Work: A complete re-build of the 3rd floor of building 3, an OSHPD 1 building. Most of this space is currently empty shell space, already demolished. The balance of the demolition will also be completed by the University. The re-build will include 26 new patient rooms with 41 total beds in a combination of both private and semi-private rooms. The re-build will also include all ancillary services for the new unit, including: (2) nurse stations, medication rooms, clean/soiled utility rooms, equipment storage rooms, housekeeping rooms, IT/electrical rooms, staff locker rooms/rest rooms, a staff lounge, physician sleep rooms, workrooms and offices for the unit as well. Scope also includes a new air handler, new med air and med vac systems, structural framing, roofing and glazing systems.

Prequalified General Contractors/Bidders:

2H Construction, Inc., Signal Hill, CA

(562) 424-5567; Align Builders, Inc.,

Carlsbad, CA (858) 800-2531.

- Estimated construction cost: \$8,000,000

Prequalified Electrical Contractors/Bidders: Baker Electric, Inc., Escondido, CA

(760) 745-2001; **Pacific Industrial Electric**, Brea, CA (714) 990-9280; **Pro-Tek Electric, Inc.**, Orange, CA (714) 240-7123;

Sasco, Fullerton, CA (714) 870-0217.

- Estimated construction cost: \$2,750,000

Prequalified Mechanical Contractors/Bidders: ACCO, Pasadena, CA (818) 244-6571;

Control Air Enterprises LLC, Anaheim, CA (714) 777-8600.

- Mechanical Estimated Construction Cost: \$2,500,000

- Plumbing Estimated Construction Cost: \$2,500,000

Procedures: Bidding documents will be emailed to Prequalified Bidders by **4:00pm on Tuesday, November 3, 2020**. For Questions: Contact Kim Kerwin @ khau@hs.uci.edu or Terri Kalwara @ tkalwara@hs.uci.edu.

Bidders must attend a **mandatory** pre-bid conference on **Wednesday, November 4, 2020 promptly at 2:00 pm** at UCIMC Building 22A, Conf. Room 2107, 101 The City Dr. South, Orange, CA 92868. **ONLY** prequalified bidders attending can submit Bids. **Optional Site Visit: Thursday, November 5, 2020 @ 8am in-front of UCIMC Building 27.**

Bids will be received only at: UCIMC, Planning Administration, Building 27, Room 136, 101 The City Drive South, Orange, CA 92868. Bid Deadline: Sealed bids must be received on or before **2:00PM, Thursday, November 19, 2020**. Bid opening will promptly follow the bid deadline.

The successful Bidder will be required to have the following California current and active contractor's license at the time of submission of the Bid: California "B" General Building Contractor's license

Every effort will be made to ensure that all persons have equal access to contracts and other business opportunities with the University within the limits imposed by law or University policy. Each Bidder may be required to show evidence of its equal employment opportunity policy. The successful Bidder and its subcontractors will be required to follow the nondiscrimination requirements set forth in the Bidding Documents and to pay prevailing wage at the location of the work.

The work described in the contract is a public work subject to section 1771 of the California Labor Code.

No contractor or subcontractor, regardless of tier, may be listed on a Bid for, or engage in the performance of, any portion of this project, unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 and 1771.1. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The successful Bidder shall pay all persons providing construction services and/or any labor on site, including any University location, no less than the UC Fair Wage (defined as \$13 per hour as of 10/1/15, \$14 per hour as of 10/1/16, and \$15 per hour as of 10/1/17) and shall comply with all applicable federal, state and local working condition requirements.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

University of California, Irvine Medical Center

October 28, 2020