

## The 5 Best Tech Opportunities for Construction Companies



[ Article was originally posted on [www.constructconnect.com](http://www.constructconnect.com) ]

By Jason Krankatoa,

Construction has been one of the slowest industries to adopt technology. That's partly cultural—folks in the industry like to solve problems with their own ingenuity. Many firms are still family owned, and there's still a lot of reverence for tradition. Finally, this is an industry with thin margins, where the first funding priorities are equipment and personnel.

But, it's also partly because there hasn't been a lot of technology built to meet the needs of the industry. Before smart phones, it was hard to bring technology to the field. Even then, you had to have a good Wi-Fi connection, which wasn't consistently available or an expensive data plan. And, a lot of early field capture technology was based on someone having to manually input data into a device. That was a non-starter; having superintendents manually entering data didn't really provide much in the way of productivity gains, and made for a lot of unhappy superintendents.

Now all that is changing. Founders are aging out of the industry, creating an opportunity for younger generations to apply technology with less resistance. Project owners are requiring the use of different technologies as a condition of funding.

And, there is an increasing number of great solutions specifically designed for the industry. Connectivity and computing power have increased dramatically, making mobile applications a lot more reliable, robust and user-friendly. Cameras, drones, GPS, and RFID technology are making it easy to capture data without human intervention.

As more technology comes into play, the industry is finally waking up to the impact it can have on bottom line profitability. Here are some of the technology opportunities construction companies should have on their radar:

### AR and VR

Whether it's on a computer screen or through a headset, augmented and virtual reality is taking the output of BIM software and creating virtual models of a structure subcontractors can walk through before it's even built, allowing them to collaborate and spot potential issues in a virtual environment.

For example, an electrical contractor could walk through the schematic of what the mechanical contractor would have built so they can say, "Okay, I see that there's going to be a standpipe here, so we'll run our conduit right next to it." That leads to less rework and fewer scheduling delays. AR can also be used to help train workers in a more effective and cost-efficient manner.

### AI: Not Yet

Artificial intelligence could potentially have a big impact on the industry, but probably not for quite a few years. One immediate application is job site safety. There are already rudimentary tools that can analyze video from job site cameras and spot hazards. They can also determine from workers' movements whether or not they're accessing a scaffold or carrying materials up a flight of stairs correctly.

Eventually, AI could be used to help improve project scheduling by learning from data from past projects and flagging issues that could lead to delays. It could analyze the performance of buildings over time and offer materials recommendations. But AI needs relevant data to learn from, so the industry needs to digitize first.

### Internet of Things

If you look at industries that are starting to see some success with AI, such as health care and manufacturing, everything is happening more or less in one place. That makes it easier to put sensors on a machine or robot and capture data. It's a bit more of a challenge when you have multiple job sites and a lot of movable equipment, so taking data capture out of the hands of individuals and automating it, and storing data in a central-



# California Sub-Bid Request Ads



Requests quotes from qualified and certified **DBE** Subcontractors and Suppliers for the following (but not limited to) work:

**Landscaping, Irrigation, Tree Removals, Erosion Control, Asphalt Paving, Asphalt Dike, Concrete Sitework, Concrete Structures, Fencing, Rebar, Guard Rail, Striping & Signage, Electrical, Traffic Signals, Survey, Construction Area Signs, Retaining Walls, CIDH (Cast in Drilled Hole Concrete Piling), Concrete Pipe, RCP, Trucking, Street Sweeping**

## CITY OF SAN MARCOS

### CREEK DISTRICT INFRASTRUCTURE PROJECT

San Marcos, San Diego Co., California  
CIP CONBID 19-01

**REVISED BID DATE July 24, 2019 @ 2:00 p.m.**

**Sub & Supplier Quotes Due by 12:00 Noon on July 23, 2019**

## Sukut Construction, LLC

4010 W. Chandler Avenue, Santa Ana, CA 92704

Contact: Matt Bahnsen

Phone: (714) 540-5351 • Fax: (714) 545-2003 • Email: [estimating@sukut.com](mailto:estimating@sukut.com)

Plans/specs are available for viewing at our office by appointment, via Sukut's FTP site, or may be obtained from Owner. Subcontractors must be prepared to furnish 100% performance and payment bonds and possess current insurance and workers' comp coverage. Sukut will assist Qualified Subcontractors in obtaining bonds, insurance, and/or lines of credit. Please contact Sukut for assistance in responding to this solicitation. Subcontractors/Vendors will be required to sign Sukut's Standard Subcontract/Purchase Order. Copies are available for examination.

Sukut Construction's listing of a Subcontractor in its bid to the agency is not to be construed as an acceptance of all of the Subcontractor's conditions or exceptions included with Subcontractor's price quotes. Quotations must be valid for the same duration as specified by Owner for contract award.

Please note DBE participation on your quote including DBE name, address, DIR and CSLB numbers.

Subcontractors must note annual gross receipts (sales) on quotes as this info is required on bid forms.

**Sukut Construction, LLC**  
**An Equal Opportunity Employer**



## O.C. Jones & Sons, Inc.

1520 Fourth Street • Berkeley, CA 94710  
Phone: 510-526-3424 • FAX: 510-526-0990  
Contact: Jean Sicard

REQUEST FOR LIABE/LBABE/SBE/VSBE  
SUBCONTRACTORS AND SUPPLIERS FOR:

**Airport Perimeter Dike Improvements (Phase 1B)**  
**Oakland International Airport**  
**Port of Oakland • Project #2017-12-A1**  
**BID DATE: July 10, 2019 @ 12:00 PM**

We are soliciting quotes for (including but not limited to): Trucking, SWPPP, Air Operations Area Construction Traffic Control, Air Operations Area FOD Control, Traffic Control Systems Outside of Air Operations Area, Survey, Clearing, Develop & Execute MMS Investigation Plan, Furnish & Install Geogrid, Furnish & Install Grade Separation Fabric, Type 1 Riprap, Type 2 Riprap, Steel Sheet Pile, Cone Penetrometer Tests, Cement Bentonite Cutoff Wall, Erosion Control Blanket, Fiber Rolls, Chain Link Fence, Slide Gate, Storm Drain Manholes, HDPE Storm Drain Pipe, Signs and Sign Posts, Dispose Abandoned Fuel Pipe, EBMUD Galvanic Anode Test Box, Hydroseed & Mulch, Weir Structure and 36" Culvert, Adjust Utilities, Imported Fill, Import Borrow, and Construction Materials

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100% Performance & Payment Bonds may be required. Worker's Compensation Waiver of Subrogation required. The Port of Oakland Maritime and Aviation Project Labor Agreement (MAPLA) [2016] V.1 applies to this project. Please call OCJ for assistance with bonding, insurance, necessary equipment, material and/or supplies. OCJ is willing to breakout any portion of work to encourage LIABE/LBABE/SBE/VSBE participation. Plans & Specs are available for viewing at our office or through.



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### Contact Info:

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

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weekly newspaper



# California Sub-Bid Request Ads

## ATKINSON CONSTRUCTION

Requests

Sub-bids from All Qualified & Certified DBE Subcontractors/Suppliers for:

**The City of San Marcos**  
Invitation No. CIP CONBID 19-01

**\*\*Note Addenda 1-9\*\***

### **Creek District Infrastructure Project** **REVISED Bid Date: Wednesday, July 24, 2019** **per Addendum 9**

**Seeking Subs, Services & Supply for (but not limited to):** Aggregate Base (Class 2), Architectural Treatment, Asphalt Paving, Bar Reinforcing Steel, Biofiltration Products (Aggregate Rock, Amended Soil), Bridge Deck Drainage System, CIDH Concrete Piling (Various sizes and Rock Socket), Clear and Grub / Mitigation Clearing and Grubbing, CML&C Steel Water-line, Concrete Barrier, Construction Survey, Construction Area Signs, Container Planting (One Gallon Natives), Demolition, Drainage Supply, Erosion Control, Fencing, Flatwork / Minor Concrete (Driveway, Side Walk, Curb Inlet), Headed Bar Reinforcement, Hot Mix Asphalt Paving, Irrigation System Installation, Landscaping, Levee Toe Drain, Masonry Block (Retaining Wall), Natural Boulders, Permanent Steel Casing (Various sizes), Prestressing Cast-in-Place Concrete, QA/QC, Reinforced Concrete Pipe (Various sizes and classes), Reinforced Concrete Pipe Rubber Gaskets and Joints (Various sizes and classes), Rock Slope Protection / Rock Slope Protection Fabric, Signal and Lighting, Sound Wall (Masonry Block), Stabilized Decomposed Granite, Steel Pedestrian Railing, Street Sweeping, Trucking, Water Fountain, Welded Steel Pipe, Wet and Dry Utility Supply. **REFER TO PROJECT SPECS & LATEST ADDENDUM FOR COMPLETE BID ITEM LIST.**

**ENGINEER'S ESTIMATE is \$68,963,100**

**DBE PROJECT GOALS - Bent Ave Bridge & Improvements 13% /  
Via Vera Cruz Bridge & Improvements 15%**

**\*\*\*\*\*Lower Tier DBE participation is greatly encouraged\*\*\*\*\***

**Guy F. Atkinson**  
License # 1004388

18201 Von Karman Ave, 8th Floor, Irvine, CA 92612  
social.estimated@atkn.com | Phone: 949-382-7145 | Fax: 949-553-0252

**Guy F. Atkinson is a union contractor and an Equal Opportunity Employer.** Atkinson is signatory to the Carpenters, Cement Masons, Laborers and Operating Engineers Unions. 100% Performance & Payment Bonds from an approved surety company will be required for subcontractors with contract value greater than \$100,000. Atkinson will pay the cost of bonds up to 2.0%. We will assist in obtaining necessary equipment, supplies, materials or related services. We will split items of work (see project specs for full list of bid items) and provide assistance in obtaining bonding, lines of credit and insurance where needed. Prices must stay firm through subcontract and purchase order execution. Subcontractors will be expected to sign Atkinson's standard subcontract and to comply with our company's standard insurance requirements which include a waiver of subrogation. Please provide your contractor's license #, DBE cert # and DIR # with your quote. Atkinson requests that subs and vendors register and prequalify in our online system at <https://www.atknextranet.com> prior to bidding.

**TO DOWNLOAD PLANS, SPECS, THE INFO HANDOUT, ALL ADDENDA, ETC and VIEW Q&A:**

Please go to the City of San Marcos PlanetBids site -

<https://www.planetbids.com/portal/portal.cfm?CompanyID=39481>

Or contact Atkinson TO VIEW AND DOWNLOAD ALL BID DOCUMENTS through our online service, BuildingConnected.

Please contact Atkinson with any questions or for help with your bid.



5225 Hellyer Avenue, Suite #220  
San Jose, CA 95138  
Phone (408) 574-1400 • Fax (408) 365-9548  
Contact: Patrick McDonald  
Email: estimating@graniterock.com

REQUESTING SUB-QUOTES FROM  
QUALIFIED DBE / MBE / WBE / SBE /  
Labor Surplus Area SUBCONTRACTORS/  
SUPPLIERS/TRUCKERS FOR:

**2018 - 19 Permanent Storm Damage  
Repairs Project**

**2017-26, FEMA-4308-DR-CA**

**Owner: City of Livermore**  
**Engineers' Estimate: \$425,000.**

**BID DATE: July 16, 2019 @ 2:30 PM**

Items of work include but are not limited to:  
**Clearing & Grubbing, ESA & Silt Fence,  
Erosion Control, SWPPP, Geotextile Fab-  
ric, Clear Water Diversion / Bypass Sys-  
tem, Site Restroom, Aluminum Handrail  
and Trucking.**

Granite Rock Company 'Graniterock' is signatory to Operating Engineers, Laborers, Teamsters, Carpenters and Cement Masons unions. 100% performance and payment bonds will be required from a qualified surety company for the full amount of the subcontract price. Bonding assistance is available. Graniterock will pay bond premium up to 1.5%. In addition to bonding assistance, subcontractors are encouraged to contact Graniterock Estimating with questions regarding obtaining lines of credit, insurance, equipment, materials and/or supplies, or with any questions you may have. Subcontractors must possess a current contractor's license, DIR number, insurance and worker's compensation coverage. Subcontractors will be required to enter into our standard contract. Graniterock intends to work cooperatively with all qualified firms seeking work on this project.

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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: **VICTOR LE**  
Website: [www.desilvagates.com](http://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 70 –  
CONSTRUCTION ON STATE HIGHWAY IN  
YUBA COUNTY NEAR MARYSVILLE  
FROM 0.1 MILE NORTH OF BINNEY JUNCTION  
UNDERPASS TO 0.3 MILE NORTH OF  
LAURELLEN ROAD**  
Contract No. 03-1E0604,  
Federal Aid Project No. ACSB1NH-P070(137)E  
Disadvantaged Business Enterprise Goal  
Assigned is 12%

OWNER

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

**REVISED BID DATE: JULY 9, 2019 @ 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, BIOLOGIST CONSULTANT, BRIDGE,  
BOX CULVERT, CURED-IN-PLACE PIPELINER  
SUB, CLEARING AND GRUBBING/DEMOLITION,  
CONSTRUCTION AREA SIGNS, ELECTRICAL,  
EROSION CONTROL, FENCING, LEAD,  
COMPLIANCE PLAN, METAL BEAM GUARD-  
RAIL, MINOR CONCRETE, MINOR CONCRETE  
STRUCTURE, ROADSIDE SIGNS, BARRICADE,  
CHANNELIZER, STRIPING, SWPPP/WATER  
POLLUTION CONTROL PLAN PREPARATION,  
TEMPORARY EROSION CONTROL, TRAFFIC  
CONTROL SYSTEMS, UNDERGROUND,  
VEGETATION CONTROL, TRUCKING, WATER  
TRUCKS, STREET SWEEPING, IMPORTED  
BORROW, CLASS 2 AGGREGATE BASE MA-  
TERIAL, HOT MIX ASPHALT (TYPE A) MA-  
TERIAL, RUBBERIZED HMA (OPEN GRADE)  
MATERIAL, RUBBERIZED HMA (GAP GRADE)  
MATERIAL

Plans and specifications may be reviewed at our offices  
located at 11555 Dublin Boulevard, Dublin, CA or 7700  
College Town Drive, Sacramento, 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://ftp%25desilvagates.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](http://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 submit-  
ting 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](http://www.dir.ca.gov/Public-Works/PublicWorks.html)

If you need DBE support services and assistance in obtain-  
ing bonding, lines of credit, insurance, necessary equip-  
ment, 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 Califor-  
nia Southwest Transportation Resource Center  
([www.transportation.gov/osdbu/SBTRCs](http://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% Perfor-  
mance bonds may be required as a subcontract con-  
dition. This will be a PREVAILING WAGE JOB. DGC  
is an Equal Opportunity/Affirmative Action Employer.

## DESILVA GATES CONSTRUCTION

**CM/GC: DESILVA GATES CONSTRUCTION**  
11555 Dublin Boulevard • P.O. Box 2909  
Dublin, CA 94568-2909  
(925) 829-9220 / FAX (925) 803-4263  
Chief Estimator: **GARRY DAY**  
Website: [www.desilvagates.com](http://www.desilvagates.com)  
An Equal Opportunity/Affirmative Action Employer

DeSilva Gates Construction (DGC)  
is requesting bids for the project listed below:

**TREASURE ISLAND STREET IMPROVEMENTS**  
Sub-Phase 1B, 1C and 1E, San Francisco, CA  
Contract No. TICD-19-03

Small Business Enterprise Goal Assigned  
is 41%

OWNER

TREASURE ISLAND DEVELOPMENT AUTHORITY  
1 Sansome Street, Suite 3200,  
San Francisco, CA 94104

**BID DATE: JULY 11, 2019 @ 2:00 P.M.**

We hereby encourage responsible participation of  
local Small Business Enterprises/Local Business En-  
terprises, and solicit their contractor or materials and/  
or suppliers quotation for the following types of work  
including but not limited to:

UTILITY CONSTRUCTION, INCLUDING WET  
UTILITIES (STORM WATER, STORM WATER  
FORCE MAIN, SANITARY SEWER, SANITARY  
SEWER FORCE MAIN, LOW PRESSURE WA-  
TER, STORM WATER AND SANITARY SEWER  
TREATMENT PLAN UTILITIES), AND DRY  
UTILITIES (JOINT TRENCH, ELECTRIC 12KV  
UNDERGROUND SUBSTRUCTURE, DTIS SUB-  
STRUCTURE, TELECOM COMMUNICATION  
SUBSTRUCTURE): SANITARY SEWER PUMP  
STATION AND LIFT STATION CONSTRUCTION:  
ROADWAY RETAINING WALL CONSTRU-  
TION: STRUCTURAL CONCRETE: ARCHI-  
TECTURAL CONCRETE: TRAFFIC CONTROL:  
ROADWAY AND SURFACE IMPROVEMENTS:  
HARDSCAPE: STREET LIGHTING: TRAF-  
FIC SIGNALS: SITE FURNISHINGS: STORM  
WATER PLAN IMPROVEMENTS: ROADWAY  
PLANTING, IRRIGATION AND LANDSCAPE:  
STREETScape PLANTING, IRRIGATION AND  
LANDSCAPE: AND STORM WATER PLANTING,  
IRRIGATION AND LANDSCAPING.

Plans and specifications may be reviewed  
and downloaded from the Dropbox site at  
[https://www.dropbox.com/sh/f6sgllceigsj7z/  
AAD0IE4ny4kQD6ztp59gDQGQa?dl=0](https://www.dropbox.com/sh/f6sgllceigsj7z/AAD0IE4ny4kQD6ztp59gDQGQa?dl=0)

Information is also available on the City and County  
of San Francisco's website at [https://stftreasureisland.  
org/contracting-ticd](https://stftreasureisland.org/contracting-ticd)

A Pre-Bid Conference will be held on June 20, 2019  
at 10:00 AM located at One Avenue of Palms, Suite  
216, San Francisco, CA 94130.

Fax your bid to (925) 803-4263 or email it to  
[gday@desilvagates.com](mailto:gday@desilvagates.com) to the attention of Chief Esti-  
mator Garry Day. If you have questions, please email.

If you need SBE/LBE support services and assis-  
tance 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. DGC is willing to break-  
out portions of work to increase the expectation of  
meeting the SBE/LBE goal.

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mance bonds may be required as a subcontract con-  
dition. This will be a PREVAILING WAGE JOB. DGC  
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## 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](http://www.desilvagates.com)  
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DeSilva Gates Construction (DGC)  
is preparing a bid as a Prime Contractor  
for the project listed below:

**STOCKTON METROPOLITAN AIRPORT  
CARGO RAMP EXPANSION PROJECT**  
AIP No. 2019-AIP-45

OWNER

SAN JOAQUIN COUNTY – 44 North San Joaquin  
Street, 6th Floor, Stockton, CA 95202

**BID DATE: JULY 10, 2019 @ 3:00 P.M.**

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

**CLEARING AND GRUBBING/DEMOLITION,  
COLD PLANE, ELECTRICAL, EMULSION SUP-  
PLIER, FENCING, K-RAIL SUPPLIER, LAND-  
SCAPING, LIME TREATMENT, PCC PAVING,  
ROADSIDE SIGNS, STRIPING, SURVEY/STAK-  
ING, SWPPP/WATER POLLUTION CONTROL  
PLAN PREPARATION, TEMPORARY EROSION  
CONTROL, TESTING, TRAFFIC CONTROL MA-  
TERIAL SUPPLIER, EDGE DRAIN, HORIZONTAL  
DRAIN, UNDERGROUND, TRUCKING, WATER  
TRUCKS, STREET SWEEPING, IMPORTED BOR-  
ROW, CLASS 2 AGGREGATE BASE MATERIAL,  
HOT MIX ASPHALT (TYPE A) MATERIAL.**

Plans and specifications may be reviewed at our of-  
fices located at 11555 Dublin Boulevard, Dublin, CA  
or 7700 College Town Drive, Sacramento, CA, or at  
your local Builders Exchange, or reviewed and down-  
loaded from the ftp site at [ftp://ftp%25desilvagates.  
com:f7pa55wd@pub.desilvagates.com](ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com) (if prompted  
the username is <ftp://ftp%25desilvagates.com> and pass-  
word is f7pa55wd) or from the Owner's site at  
<http://www.e-arc.com/ca/stockton>

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](http://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 Califor-  
nia Southwest Transportation Resource Center  
([www.transportation.gov/osdbu/SBTRCs](http://www.transportation.gov/osdbu/SBTRCs)). DGC is willing  
to breakout portions of work to increase the  
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At our discretion, 100% Payment and 100% Perfor-  
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# California Sub-Bid Request Ads

Request for Quotes from Certified DBE/MBE/WBE/SBE Subcontractors and Suppliers

**Project: Morena Pump Station, Bid No. K-19-1801-DBB-3 • Owner: The City of San Diego**  
**REVISED Bid Date: July 18, 2019 at 2:00 p.m.**  
**Clean Water State Revolving Fund Project**  
**SWRCB DBE Forms are REQUIRED from Subcontractors**

DBE Participation Encouraged

Quotes requested for Divisions 2, 3, 4, 5, 6, 7, 8, 9, 10, 22, 23, 26, 31, 32, 33, 35, 40, 41, 43, 44 and 46 for the following, but not limited to, scopes of work: Demolition, Reinforcing Steel, Concrete Finishing, Precast Concrete, Grouting, Concrete Doweling, Concrete Unit Masonry, Glass Unit Masonry, Post-Installed Anchors, Welding, Structural Steel Framing, Steel Joist, Steel Decking, Metal Fabrications, Aluminum Railings, Metal Gratings, GRF Plastic, Insulation, Metal Roofing, Joint Sealants, Doors and Frames, Overhead Coiling Doors, Glazing, Painting and Coating, Signage, Fire Protection, Plumbing Piping, HVAC, Electrical, Aggregate Supply, Dewatering, Geotextiles, Stone Columns, Microtunneling, Asphalt Paving, Unit Pavers, Curb and Gutters, Fences and Gates, Landscape and Irrigation, Conveyance Piping, Manholes, Valve Supply, Fabricated Slide and Control Gates, Instrumentation and Controls, Overhead Bridge Crane, Monorail Hoists and Job Cranes, Pumps, Pollution Control Equipment, Fiberglass Reinforced Plastic Grating, Waterproofing, Raised Computer Flooring.

PLEASE SUBMIT QUOTES BY EMAIL TO [SoCalBids@flatironcorp.com](mailto:SoCalBids@flatironcorp.com) OR BY FAX TO (760) 471-4860.

Plans and specifications are available to download, at no cost, from the City of San Diego's PlanetBids website at the following link: [https://www.planetbids.com/portal/portal.cfm?companyID=17950&access\(registration required\)](https://www.planetbids.com/portal/portal.cfm?companyID=17950&access(registration%20required)). The Bid Documents are also available, at no cost, from Flatiron in electronic format or can be viewed at our offices in San Marcos or Chino Hills. Please call to request access or to make an appointment to view the documents at one of our offices.

This is an American Iron and Steel project. Quotations must be valid for same duration as specified by Owner for contract award. Assistance in obtaining bonding, lines of credit, insurance, equipment, supplies and materials is available upon request. Flatiron West, Inc. analyzes and considers each DBE quote, including those that are broken down into economically feasible units to facilitate bidding.

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 meet insurance requirements. A copy of our Standard Subcontract Terms and Conditions is available in electronic format upon request.

Notwithstanding any contrary language in a bid to Flatiron West, Inc. ("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%.

Non-DBE Subs/Suppliers: Indicate lower tier DBE participation offered on your quotation as it will be evaluated with your price.

**Flatiron West, Inc.**

1770 La Costa Meadows Drive, San Marcos, CA 92078 • Phone (760) 916-9100 / FAX (760) 471-4860  
 Email: [socalbids@flatironcorp.com](mailto:socalbids@flatironcorp.com) • Point of Contact: Jannette Carter, Estimating Administrator

WE ARE AN EQUAL OPPORTUNITY EMPLOYER

**O.C. Jones & Sons, Inc.**

1520 Fourth Street • Berkeley, CA 94710  
 Phone: 510-526-3424 • FAX: 510-526-0990  
 Contact: Donat Galicz & Jason Martin

REQUEST FOR MBE/WBE  
 SUBCONTRACTORS AND SUPPLIERS FOR:

**The Improvements of East 14th Street from  
 162nd Avenue to 172nd Avenue  
 in the Ashland Community  
 County of Alameda Public Works Agency**  
**BID DATE: July 30, 2019 @ 2:00 PM**

We are soliciting quotes for (including but not limited to): Trucking, Temporary and Permanent Erosion Control Construction Surveying, Traffic Control, Construction Area Signs, Flashing Arrow Signs, Delimiters, Temporary Business Entry Signs, Temporary Railing, Portable Changeable Message Sign, Project Funding Identification Signs, Disposal of Contaminated Soils, Clearing & Grubbing, Tree Protective Fencing, Imported Borrow, Milling (Cold Plane Asphalt Concrete Pavement), Adjust Utilities to Grade, Geosynthetic Pavement Interlayer (Pavement Fabric), Minor Concrete, Reinforced Concrete Bioretention Tie-Beam, Reinforced Concrete Pipe, Concrete Backfill, Bioretention Areas, Storm Drain Manhole, Sidewalk Curb Drain, Curb Drain Boxes, Bioretention Areas, Storm Drain Cleanouts, Standard Concrete Monument, Monument Preservation, Thermoplastic Striping & Marking, Painted Curb, Roadside Signs, Fencing, Sewer Main, Sanitary Sewer Manhole, SWPPP, Sweeping, Traffic Signal & Lighting System, Decorative Pedestrian Light & Foundation, Fiber Optic Cable, Solar Rectangular Rapid Flashing Beacon System, Electrical, Planting & Irrigation, Site Furnishings, Pavers, Pedestrian Barrier, Traffic Control Plans, Biologist, Bird Survey, and Construction Materials

An Equal Opportunity Employer

100% Performance & Payment Bonds may be required. Worker's Compensation Waiver of Subrogation required. Please call OCJ for assistance with bonding, insurance, necessary equipment, material and/or supplies. OCJ is willing to breakout any portion of work to encourage MBE/WBE Participation. Plans & Specs are available for viewing at our office.

## The 5 Best Tech Opportunities for Construction Companies

Continued from page 1

ized place where it can be managed is the frontier right now.

### Back Office Efficiency

Most firms are using some sort of automated accounting platform. But there are still gaps that need to be filled.

Invoice routing and approval is a big one. People are literally having the back office scan invoices and then email out invoice images to the project superintendent. Invoice images are "digital paper," meaning they're not actual digital artifacts. Any data that's on them has to be manually entered, and the whole routing and approval process is manual as well.

Then there's the payment process itself. Solutions built to handle procure to pay actually only handle

procure to invoice approval, so then you need a payments automation solution on top of that. The good news is that automating payments is pretty easy to do, and it doesn't depend on automating the invoice workflow, which is a much bigger project.

### Business Intelligence

Most ERP systems offer tons of reports, but people want to combine that with data from other sources. They want to be able to look at the data three-dimensionally and be able to drill into it. ERP systems don't have that kind of capability, and as the amount of data companies have access to grows, so does the need to have a business intelligence platform to pull it together and generate analyses and models.

There are a lot of challenges to overcome before construction becomes a fully digitized industry.

It's still hard to deploy technology organization-wide when you have workers on multiple job sites. Do you pull everyone off the job to come in for training? Probably not. Adoption can move pretty slowly, with some workers using the technology and others holding to traditional practices, resulting in the industry overall heading in the right direction of the benefits, even if it's not happening at a rapid pace.

*Jason Krankota is VP of Construction Sales, West Region at Nvoicepay. His expertise in construction business technology spans 20 years, with 10+ years focused on corporate payments, accounts payable, and expense management solutions.*

SOURCE:

[www.constructconnect.com/blog/construction-technology/5-best-tech-opportunities-construction-companies/](http://www.constructconnect.com/blog/construction-technology/5-best-tech-opportunities-construction-companies/)





# California Sub-Bid Request Ads



**SWINERTON**

Floating Fire Station 35  
Pier 22.5, SF, CA.

**BID DATE: Friday July 12, 2019 at 3:00 p.m.**  
**EMAIL TO: Bill Krill Bkrill@swinerton.com**

Swinerton Builders is requesting subcontractor bids from all qualified subcontractors  
15% LBE Participation required,  
must be Certified by City of San Francisco.  
Best Value Award - Construction Start  
01/06/2020

#### SCOPE OF WORK:

To protect against sea-level rise and earthquakes, the City of San Francisco has awarded to Swinerton Builders a new two story 16,000 gsf Fire Station on top of a floating barge at piers 22.5/24 (just north of the Bay Bridge) in San Francisco. The float will initially be located at Pier 1 on Treasure Island and then moved to Pier 22.5 in San Francisco. The project is fully designed, sits on Port of San Francisco land and will be managed by the San Francisco Department of Public Works with funding thru the Emergency Safety and Emergency Response (ESER) Bond passed in 2014. Project includes a steel frame building, Exterior metal panels, three Fire Boats, various small craft and living quarters for Fire crews and officers.

#### TRADES BIDDING:

Structural Steel & Stairs, Miscellaneous Metals, Roofing, Exterior Metal Panels, Glazing, Tiling, Elevator, Fire Protection, Plumbing and Electrical

**Non-Mandatory Pre-Bid Meeting at Swinerton on 6/26 from 9:00-10:00 am**

#### PLANS & SPECIFICATIONS:

Available thru Swinerton "Smartbid" - contact Bill Krill at [Bkrill@swinerton.com](mailto:Bkrill@swinerton.com) and from: <https://secure.smartinsight.co/#/PublicBidProject/447699>

**WE REQUEST BIDS FROM ALL SUBS FOR ABOVE TRADES**

Please submit your bid to [Bkrill@swinerton.com](mailto:Bkrill@swinerton.com)

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

Request for Quotes from Certified DBE Subcontractors and Suppliers

**Project: Creek District Infrastructure Project**

**Contract No. IFB CIP CONBID 19-01 (CIP Project No. 88505 88529 88265 88263 88264)**

**Owner: City of San Marcos**

**REVISED Bid Submittal Date: July 24, 2019 at 2:00 PM**

**Project Description:** Construction of two (2) box girder bridges, an earthen levee, linear park, habitat restoration, road widening, grading, building removal utility relocation, water and sewer lines, storm drain, pedestrian and trail improvements and other general surface improvements.

**The project has Two (2) separate DBE goals as detailed below:**

**Via Vera Cruz Bridge & Improvements – DBE Goal 15%. Request for quotes for the following, but not limited to scopes of work for this segment:** Aggregate Supply, Asphalt Paving, Bearing Pads, Blasting, Bridge Deck Drainage System Supply, Bridge Demo, CIDH Piling, Clearing and Grubbing, Cold Plane AC, Concrete Barrier, Construction Area Signs, Crash Cushion, Dry Utility / Joint Trench, Dewatering, Edge Grind, Electrical, Erosion Control, Fencing and Railing, Formliner Supply, Hydroseeding, Joint Seal Assemblies Supply, Landscape and Irrigation, Masonry Block, Minor Concrete, Misc. Metal (Bridge) Supply, Pavers, Pipe Supply, Polyester Concrete Overlay, Prestressing, Ready Mix Concrete Supply, Reinforcing Steel, Roadside Signs, Rock Slope Protection, Sawcutting, Signage, Soil Testing, Street Sweeping, Striping, Survey, SWPP Materials, Underground, Waterline Materials.

**Bent Avenue Bridge & Improvements – DBE Goal 13%. Request for quotes for the following, but not limited to scopes of work for this segment:** Aggregate Supply, Asphalt Dike, Asphalt Paving, Bearing Pads, Blasting, Bridge Deck Drainage System Supply, CIDH Piling, Clearing and Grubbing, Cold Plane AC, Concrete Barrier, Construction Area Signs, Dry Utility / Joint Trench, Dewatering, Edge Grind, Electrical, Erosion Control, Fencing and Railing, Formliner Supply, Guardrail, Hydroseeding, Joint Seal Assemblies Supply, Landscape and Irrigation, Masonry Block, Minor Concrete, Pipe Supply, Polyester Concrete Overlay, Prestressing, Ready Mix Concrete Supply, Reinforcing Steel, Roadside Signs, Rock Slope Protection, Sawcutting, Signage, Site Furnishings, Soil Testing, Street Sweeping, Striping, Survey, SWPP Materials, Transparent Panel Supply, Underground, Waterline Materials.

**Local – No DBE Goal. Request for quotes for the following, but not limited to scopes of work for this segment:** Asphalt Dike, Aggregate Supply, Asphalt Paving, Building Demolition, CIDH Piling, Clearing and Grubbing, Concrete Barrier, Construction Area Signs, Dewatering, Edge Grind, Electrical, Erosion Control, Fencing and Railing, Formliner Supply, Guardrail, Landscaping and Irrigation, Masonry Block, Minor Concrete, Pipe Supply, Play Structures, Ready Mix Concrete Supply, Reinforcing Steel, Rock Slope Protection, Sawcutting, Signage, Site Furnishings, Soil Testing, Steel Shade Structure, Street Sweeping, Striping, Survey, SWPP Materials, Underground, Waterline Materials.

**Due to the size of the project and bid closing requirements, adequate time is needed to review scope letters and quotes prior to bid submittal. We request scope letters be submitted no later than close of business on July 08, 2019 and quotes no later than close of business on July 09, 2019.**

SUBMIT QUOTES BY FAX TO (760) 471-4860 OR EMAIL TO [SOCALBIDS@FLATIRONCORP.COM](mailto:SOCALBIDS@FLATIRONCORP.COM)

Plans and specifications are available, at no cost from the City of San Marcos PlanetBids website at: <https://www.planetbids.com/portal/portal.cfm?CompanyID=39481> (registration required). Plans and specifications are also available in electronic format from Flatiron via iSqFt. Additionally, plans and specifications are available to view at Flatiron's San Marcos, CA and Chino Hills, CA offices. Please call to request electronic access to iSqFt or to make an appointment to view plans and specifications.

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 120 days 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.

Non-DBE Subs/Suppliers: Indicate 2nd tier DBE participation offered on your quotation as it will be evaluated with your price.

**Flatiron West, Inc.**

1770 La Costa Meadows Drive, San Marcos, CA 92078

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

Email: [SoCalBids@flatironcorp.com](mailto:SoCalBids@flatironcorp.com)

Point of Contact: Veronica Garcia, Estimating Admin.

Visit [www.sbeinc.com](http://www.sbeinc.com) to download the latest SBE Newspaper and SBE E-Newsletter

