

## Cranes Behaving Badly: Hackers Can Easily Take Control of Construction Cranes



Photo by Vincent Delegge on Unsplash

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

*By Kendall Jones,*

Early last week, cybersecurity firm Trend Micro released a report based on a two-year research project exploiting vulnerabilities they found in radio frequency (RF) remote controllers used to operate construction equipment like cranes and excavators.

So, how easy was it for Trend Micro's research team to hijack the RF signals and take control of the cranes? According to the report, "Our findings show that current industrial remote controllers are less secure than garage door openers."

The skill level needed to hack the cranes is minimal and the equipment required is inexpensive and easily attainable. The types of attacks they tested were done using laptops, a software-defined radio (SDR), and other RF equipment that can be purchased for less than \$500 in some cases. The team was able to set up their equipment and carry out the attacks in a matter of minutes.

To carry out the attacks, the Trend Micro team had to reverse engineer the RF protocols, copy the control commands transmitted in data packets, and then replay them on their own transmitters to take control of the cranes.

The research team conducted tests on 14 devices manufactured by seven vendors. Some of the tests were performed in a lab and others were conducted, with permission, on active construction sites. The five tests conducted (and their level of difficulty) included:

- **Replay attack** – involves recording RF data packets and replaying them to obtain basic control of the machine. (Easy)
- **Command injection** – Once the RF protocol is known, the data packets are modified to take complete control of the machine. (Intermediate)
- **Emergency stop abuse** – Using a replay attack or command injection to can transmit the e-stop command packet and prevent the crane from operating. (Easy)
- **Malicious re-pairing** – The functionalities of a transmitter are cloned onto a new one controlled by the hacker to control the receiver or multiple receivers in some instances. (Intermediate)
- **Malicious reprogramming** – This involves installing malicious firmware on the remote controls in order to obtain full control of the devices. (Hard)

■ **Continued on page 5**



# California Sub-Bid Request Ads

## ATKINSON CONSTRUCTION

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

**Caltrans Contract 08-0Q75U4  
Construction on State Hwy 60  
in San Bernardino and Riverside Counties  
from Euclid Avenue Undercrossing in Ontario  
to Route 60/91/215 Separation in Riverside**

### **Bids Thursday, February 7, 2019 per Addendum 2**

**Description of Work, Services & Supply (but not limited to):** Asphalt, Aggregate Base, Aggregate Subbase, Alternative Inline Terminal System, Base Bond Breaker, Clear and Grub, Concrete Barrier (various types), Construction Area Signs, Demo, Drainage, Earthwork, Electrical, Erosion Control, Excavation, Fence, Flatwork, Furnish and Install Sign Structure (Truss), Grind Existing Concrete Pavement, Individual Slab Replacement (RSC), Joint Seals, Jointed Plain Concrete Pavement (including RSC), Landscape, Lean Concrete Base, Lean Concrete Base Rapid Setting, Maintenance of Traffic, MBGR, Minor Concrete (Curb / PCC Dike, various types / Stamped Concrete / Curb, Sidewalk and Curb Ramp / Vegetation Control), Midwest Guardrail System (Wood Post), Miscellaneous Iron and Steel, Maintenance of Traffic, Noise Monitoring, OHSS, Pavement, Pavement Marking / Traffic Stripe, Pavement Supply, PCCP Paving, Pipe Supply (18" Slotted Corrugated Steel Pipe - .064" thick), QA/QC, Rapid Strength Concrete Base, Road Barrier, Roadway, Roadway Excavation, Rock Blanket, Seal, Sign, Survey, Temporary Crash Cushion Module, Temporary Railing (Type K), Temporary Traffic Screen, Traffic Control System, Transition Railing (Type WB-31), Trucking.

REFER TO PROJECT SPECS FOR COMPLETE BID ITEM LIST.

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**14% DBE Project Goal**

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

**Guy F. Atkinson**

License # 1004388

18201 Von Karman Ave, 8th Floor, Irvine, CA 92612

socal.esteeming@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, ANY ADDENDA, ETC and VIEW Q&A:**

Please go to the Caltrans Contracts web site

<http://www.dot.ca.gov/des/oe/weekly-ads/oe-project.php?q=08-0Q75U4>

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.



Requesting subcontractor bids for the  
**Oak Leaf Meadows new apartment  
construction project in Oakdale, CA.**  
Plans and bid documents are available at:  
**Sisler and Sisler  
Construction, Inc.,  
2930 Ramona Ave. Suite 600,  
Sacramento, CA 95826 (916)852-6488  
and Builder's Exchange of Stockton,  
[www.besonline.com](http://www.besonline.com) and Valley Build-  
er's Exchange, [www.valleybx.com](http://www.valleybx.com)  
**Bids due: Friday, 2/8/19 by 12:00 p.m.**  
to Sisler and Sisler Construction, Inc.  
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# California Sub-Bid Request Ads

**CAHILL CONTRACTORS LLC**  
 requests bids from Certified SBE Subcontractors  
 and Suppliers for ALL trades EXCEPT:  
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**88 BROADWAY - REMAINING TRADES**  
 88 Broadway, San Francisco, CA 94111

This is an SFCMD project with construction work-  
 force and prevailing wage requirements.

**BID DATE: 2/21/19 @ 2 PM**  
 Voluntary Pre-bid Meeting: TBD

**BID DOCUMENTS:**  
 Please contact Colby for access to documents  
 on BuildingConnected.

**CONTACT:**  
 Colby Smith at [estimating@cahill-sf.com](mailto:estimating@cahill-sf.com),  
 (415) 677-0611.

**CAHILL CONTRACTORS LLC**  
 requests bids from Certified SBE Subcontractors  
 and Suppliers for ALL trades EXCEPT:  
 Fire Sprinkler / Solar Hot Water

**735 DAVIS - REMAINING TRADES**  
 735 Davis, San Francisco, CA 94111

This is an SFCMD project with construction  
 workforce and prevailing wage requirements.

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 Voluntary Pre-bid Meeting: TBD

**BID DOCUMENTS:**  
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 on BuildingConnected.

**CONTACT:**  
 Colby Smith at [estimating@cahill-sf.com](mailto:estimating@cahill-sf.com),  
 (415) 677-0611.

**CAHILL CONTRACTORS LLC** requests bids from  
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 Plumbing / Fire Sprinklers / Solar Hot Water /  
 Tower Crane / Personnel Hoist

**MISSION BAY BLOCK 6W -  
 REMAINING TRADES**  
 691 China Basin Street,  
 San Francisco, CA 94158

This is an OCII project with construction  
 workforce and prevailing wage requirements.

**BID DATE: 1/29/19 @ 2 PM**  
 Voluntary Pre-bid Meeting: 1/8/19 @ 3 PM,  
 Mission Creek Senior Community  
 225 Berry Street, San Francisco, CA 94158

**BID DOCUMENTS:**  
 Please contact Colby for access to documents on  
 BuildingConnected.

**CONTACT:**  
 Colby Smith at [estimating@cahill-sf.com](mailto:estimating@cahill-sf.com),  
 (415) 677-0611.

**SUKUT**  
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Is requesting quotes from qualified DBE Subcontractors, Suppliers,  
 and Service Providers for the following (but not limited to) work:

**SUBS**  
 Survey, Electrical, Fencing, Masonry, AC Paving

**SUPPLIERS**  
 Aggregate, Rip Rap, Misc Iron & Steel, Sewer Pump Well,  
 Ready Mix Concrete, Pipeline Materials

**HI-Desert Water District Wastewater Reclamation Project  
 Phase 1 Collection System**

**Bid Package B3 Kickapoo Pump Station**  
 Located in Yucca Valley, San Bernardino County, California

**HI-Desert Water District**

**BID DATE February 26, 2019 @ 2:00 p.m.**  
 Sub & Vendor Bids Due Prior

**Sukut Construction, LLC**  
 4010 W. Chandler Avenue, Santa Ana, CA 92704  
 Contact: Rick Welshiemer  
 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, and by Sukut FTP at no cost. Subcontractors must be prepared to furnish 100% performance and payment bonds and possess current insurance and workers' comp coverage. Sukut Construction will assist qualified subcontractors in obtaining bonds, insurance, and/or lines of credit. Subcontractors/Vendors will be required to sign Sukut's Standard Subcontract/Purchase Order. Copies are available for examination. Please contact Sukut Construction for assistance in responding to this solicitation.

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.

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**nibbi**

**Project Name: 1028 Market Street**  
**Location: San Francisco, California**  
**Bid Date: January 30, 2019 @2pm**

**Labor Requirements: Private - Nibbi is signatory to the Carpenter's and Laborer's Union.**  
**Project Schedule: March 2019 - June 2021**

Nibbi Brothers has been selected as the General Contractor for the 1028 Market Street project in San Francisco. We are in receipt of the GMP DOCUMENTS and are currently REBIDING qualified subcontractors for DIV 01 - 44 (Excluding MEPF & HAZMAT Removal). Bids are due Wednesday, January 30, 2018 @ 2:00pm. Due date extensions will NOT be available. The project will consist of 193 units; 13 residential floors above grade, 1 level of below grade MEP space, and a rooftop mechanical penthouse level with occupied deck. Floors 2 through 13 are primarily utilized for residential units. Level 1a/ 1b (two stories) will include residential support spaces, retail, an open fitness courtyard, lobby and a leasing office.

To obtain bid documents for this project please contact Kristin Medwick, Senior Precon & Estimating Coordinator via email, [kristinm@nibbi.com](mailto:kristinm@nibbi.com).

For specific questions regarding this project, please contact Phillip Raymann, Senior Project Manager via email, [phillipr@nibbi.com](mailto:phillipr@nibbi.com).





# California Sub-Bid Request Ads

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CNS-3212409#

## GOLDEN GATE CONSTRUCTORS

11555 Dublin Boulevard  
Dublin, CA 94568-2909  
Phone: (925) 829-9220  
Estimator: JACK SHEWMAKER  
Website: [www.desilvagates.com](http://www.desilvagates.com)

Golden Gate Constructors (GGC) is preparing  
a bid as a Prime Contractor for the project  
listed below:

**CALTRANS ROUTE 1 - CONSTRUCTION ON  
STATE HIGHWAY IN THE CITY AND  
COUNTY OF SAN FRANCISCO FROM  
SAN MATEO COUNTY LINE TO  
HOLLOWAY AVENUE AND FROM  
LINCOLN WAY TO RUCKMAN AVENUE  
UNDERCROSSING,**  
Contract No. 04-4K1104  
Federal Aid Project No. ACSB1NH-P001(654)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: JANUARY 30, 2019 @ 2:00 P.M.**

We hereby encourage responsible participation of certified Disadvantaged Business Enterprises, and solicit their subcontractor or materials and/or suppliers quotation for the following types of work including but not limited to:

AC DIKE, CLEARING AND GRUBBING/DEMOLITION, COLD PLANE, CONCRETE BARRIER, CONSTRUCTION AREA SIGNS, ELECTRICAL, FABRIC/GEOSYNTHETIC PAVEMENT INTERLAYER, LEAD COMPLIANCE PLAN, METAL BEAM GUARDRAIL, MINOR CONCRETE, PCC GRINDING, PCC PAVING, ROADSIDE SIGNS, STRIPING, SURVEY/STAKING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TRAFFIC CONTROL SYSTEMS, UNDERGROUND, 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%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is <ftp://desilvagates.com> and password is [f7pa55wd](ftp://desilvagates.com)) 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 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](http://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) 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](http://www.transportation.gov/osdbu/SBTRCs)). GGC 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. GGC 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](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 50 -  
CONSTRUCTION ON STATE HIGHWAY IN  
SACRAMENTO COUNTY FROM  
HOWE AVENUE OVERCROSSING TO  
0.65 MILE EAST OF 65TH STREET**  
Contract No. 03-1F1904,  
Federal Aid Project No. ACNH-P050(148)E  
Disadvantaged Business Enterprise Goal  
Assigned is 17%

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

**BID DATE: February 12, 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, CLEARING AND GRUBBING/DEMOLITION, CONSTRUCTION AREA SIGNS, CRASH CUSHION, ELECTRICAL, EMULSION SUPPLIER, EROSION CONTROL, FENCING, IRRIGATION, K-RAIL SUPPLIER, LANDSCAPING, LEAD COMPLIANCE PLAN, METAL BEAM GUARDRAIL, MINOR CONCRETE, ROADSIDE SIGNS, ROADWAY EXCAVATION, ROCK SLOPE PROTECTION SUPPLIER, SAWCUTTING, SIGN STRUCTURE, STRIPING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TEMPORARY EROSION CONTROL, TESTING, TRAFFIC CONTROL SYSTEMS, TRAFFIC CONTROL MATERIAL SUPPLIER, UNDERGROUND, VEGETATION CONTROL, TRUCKING, WATER TRUCKS, STREET SWEEPING, EROSION CONTROL MATERIAL, 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 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://desilvagates.com> and password is [f7pa55wd](ftp://desilvagates.com)) 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 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 California 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% Performance bonds may be required as a subcontract condition. This will be a PREVAILING WAGE JOB. DGC is an Equal Opportunity/Affirmative Action Employer.

# 6 Leadership Habits To Develop In 2019

Bad habits can be hard to break, and for business leaders who have them, they can be deal-breakers.

In a survey by Leadership IQ, an online training firm, the primary reasons CEOs were fired - mis-managing change, ignoring customers, tolerating low performers, and not enough action - were often related to unproductive habits.

“Although leaders who display these behaviors generally know what to do, and how to do it, their unproductive habits render them unable to get things done - with dire consequences,” says **Mark Green**, a speaker, coach to CEOs and author of *Activators: A CEO's Guide to Clearer Thinking and Getting Things Done* ([www.Activators.biz](http://www.Activators.biz)). “The most common unproductive leadership habits include avoiding decisions and conflict, maintaining comfort-zone networks, needing to be liked, neglecting to listen enough - and they are hard to break.”

But Green says they can be broken and suggests replacing them with foundational habits that make leaders successful. He lists six of them here.

- **Be grateful.** “When you appreciate and value what you have, you gain a clearer perspective,” Green says. “A daily meeting ritual of appreciation creates space for each executive to share what they appreciate most, and it opens up the room to clearer thinking and increased collaboration.”
- **Give - within limits.** Research shows there are many advantages to being a giver, but striking a balance is important to remain productive. “Sharing information and resources cultivates an abundance mindset, bringing benefits that both the company and the leader can reap,” Green says. “But there are limits; if you're giving away too much time and too many resources, you won't be able to accomplish your own objectives. Give, but know when to say no.”
- **When problems arise, focus on process - not people.** “When something goes wrong, a common approach is to find fault with the people involved,” Green says. “But bad or poorly communicated processes can make even the most talented, dedicated staff look terrible. Question processes and communication first, before you explore the intentions, character or capabilities of those involved. Research shows that believing in your people pays off.”
- **Have high expectations of others.** Leaders who set the bar high and then give their teams latitude to execute reap more benefits than those who simply tell their teams what

to do,” Green says. “Those whose habits include valuing autonomy and individual responsibility can build something great over time. High expectations and empowerment are key.”

- **Maintain intentional focus.** “Countless research studies have exposed excessive multi-tasking as ineffective,” Green says. “To make real progress, hold a small number of very important things in your mind and let go of the rest. Ruthless prioritization and focus in execution will set you free.”

“With our thoughts, we make our world,” Green says. “Check your beliefs about your leadership habits, choose just one or two to change, enlist others to support your efforts, then get to it.”

## About Mark E. Green

Mark Green, author of *Activators: A CEO's Guide to Clearer Thinking and Getting Things Done* ([www.Activators.biz](http://www.Activators.biz)), is a speaker, strategic advisor and coach to CEOs and executive teams worldwide. He has addressed, coached and advised thousands of business leaders, helping them unlock more of their potential and teaching them how to do the same for their teams. He is a Core Advisor to Gravitas Impact Premium Coaches (formerly Gazelles International), a mentor to coaches worldwide, and an active contributor to programs and content for their global ecosystem.

**SOURCE:** [www.newsandexperts.com](http://www.newsandexperts.com)

## Cranes Behaving Badly: Hackers Can Easily Take Control of Construction Cranes

### Continued from page 1

Based on their tests, Trend Micro highlighted three vulnerability patterns they discovered: no rolling code, weak or no data encryption, and a lack of software protection. They also looked at how difficult it would be to create and deploy patches to correct these vulnerabilities.

- Rolling codes are commonly used in keyless entry systems like garage door opener and car key remotes. They send a different code each time to prevent replay attacks as opposed to fixed codes that send the same code each time for a specific command. The patch for this is very easy to create but difficult to deploy based on the sheer number of units currently in use.
- On the remotes tested by Trend Micro there was weak or no encryption used to transmit the data packets containing the command codes. This made it extremely easy for the team to capture and copy the codes needed to

control the cranes. The patch for this is also easy but difficult to deploy because firmware solutions might not work if the hardware doesn't support encryption.

- The research team also discovered that the software used to upload firmware to the transmitters and receivers doesn't prevent it from being reprogrammed by an unauthorized individual. This one was determined to be very easy to create the patch and easy to deploy since it only requires the vendor to implement proper access control to their software.

Trend Micro worked with the Industrial Control Systems Cyber Emergency Response Team (ICS-CERT) to reach out to all of the vendors included in their testing to alert them of the vulnerabilities in their devices and get them patched.

Obviously, security hasn't been a major area of concern up to this point. Now that it has been brought to light, we should start seeing more

secure systems in the future. Part of the problem is that each manufacturer uses their own proprietary RF protocols instead of a standardized system as we see in wireless technologies.

If your company owns or operates any machinery using RF remote controls you should reach out the manufacturer to determine what fixes or workarounds are available and get them installed as soon as possible. While no reports of malicious hacking of construction cranes have been reported, the amount of damage to people and property that could be carried out is scary to think about.

## SOURCE:

<https://www.constructconnect.com/blog/construction-technology/cranes-behaving-badly-hackers-can-easily-take-control-construction-cranes/>



# California Sub-Bid Request Ads



## Kiewit

10704 Shoemaker Ave.,  
Santa Fe Springs, CA 90670  
Tel: (562) 946-1816, Fax: (562) 946-3823  
Contact : Coryn Reichenau  
Email : SWIPDBE@Kiewit.Com

**Santa Monica Sustainable Water  
Infrastructure Project  
Request for Proposal – Notice of Interest  
Email : SWIPDBE@Kiewit.Com**

Kiewit is preparing a proposal for the Santa Monica Sustainable Water Infrastructure Project and is seeking quotes from all qualified Disadvantaged Business Enterprises (DBE) and all other business enterprises to perform as subcontractors, material contractors, and suppliers. DBEs must provide evidence of DBE certification by the U.S. Environmental Protection Agency (USEPA), the Small Business Administration (SBA), the Department of Transportation's State Implemented DBE Certification Program with U.S. citizenship, Tribal, State, and Local Governments, or Independent Private Organization Certifications.

The *Sustainable Water Infrastructure Project* is a progressive design-build project that consists of two different sites. The first site is the Santa Monica Urban Run-off Recycling Facility (SMURRF). The SMURRF is an existing best management practice for the treatment of dry-weather runoff. The work at the SMURRF includes upgrading components to increase the capacity of the system, installing a new reverse osmosis unit, enclosing the effluent equalization tank, new security fencing, and other architectural features. The second area is the Civic Center and involves the underground construction of a new 1 million gallon per day advanced water treatment facility and a 4.5 million gallon storm water storage tank. The facility will typically be used to treat wastewater for non-potable reuse, but during a rain event, will also capture and treat storm water.

Kiewit will be requesting quotes for various areas of work listed in, but not limited to, the scope categories below. All firms interested in providing a quote in their respective areas of work or specialty, must provide a notice of interest to receive a bid package as instructed below.

Excavation and Backfill • Shoring • Structural Concrete •  
Mechanical Piping and Equipment • Utilities  
Demolition • Landscaping • Solar • Fencing • Flatwork •  
Paving • Striping and Signage • Architectural  
Electrical and Instrumentation • HVAC • Paintings and Coatings •  
Waterproofing • Fire Protection  
Elevator • Professional Services • Environmental • Construction Site Services

If you are interested in providing a quote for this project, please contact us at the e-mail address noted below no later than **4:00pm PST, Friday, April 5, 2019**. Responding firms will then be issued an "Invitation to Bid" with bid instructions and project information. Plans and specifications will also be available for review at the address listed below if requested.

Responsive bidders must possess a valid California Contractor's license (as appropriate) and provide acceptable insurance. Responsible subcontractors and material contractors will be required to provide bonding for 100% of their contract value. Kiewit will reimburse bond premiums. This is a Public Works project that is fully subject to Department of Industrial Relations (DIR) requirements. The project is partially financed by federal funds and is subject to American Iron and Steel (AIS) and DBE requirements. This is a prevailing wage job pursuant to the provisions of Section 1773 of the State Labor Code. Kiewit is signatory to the union labor agreements for carpenters, laborers, cement masons, ironworkers, operating engineers, and teamsters. Firms performing any onsite work must be signatory to the appropriate union labor agreements.

Kiewit intends to conduct itself in good faith with all DBEs and all other business enterprises regarding participation on this project. For further information, assistance or questions regarding the project, to discuss your specialty or scope of work, project schedule, requirements of the contract, licensing, insurance or bonding, equipment, supplies, materials, related assistance or services, please contact the Lead Estimator listed.

**"Kiewit is an Equal Opportunity Employer.**

**Employment decisions are made without regard to race, color, religion, national or ethnic origin, sex, sexual orientation, gender identity or expression, age, disability, protected veteran status or other characteristics protected by law."**



## Kiewit

10704 Shoemaker Ave.,  
Santa Fe Springs, CA 90670  
Tel: (562) 946-1816, Fax: (562) 946-3823  
Contact Bill Allen at bill.allen@kiewit.com

Kiewit Infrastructure West Co. (Kiewit) is seeking sub-quotes from Disadvantaged Business Enterprises (DBE) firms, including Minority Business Enterprise (MBE), Women Business Enterprise (WBE), Small Business Enterprise (SBE), Small Business in Rural Area (SBRA), Labor Surplus Area Firm (LSAF), Historically Underutilized Business (HUB) firms; and all other business enterprises to perform as Sub-contractors and Material Vendors/Suppliers. DBEs must be certified by one of the following agencies prior to bid opening: The US Environmental Protection Agency (USEPA), The Small Business Administration (SBA), California Department of Transportation (Caltrans), Tribal, State and Local governments, or an independent private certifying organization.

**Project Owner:** Elsinore Valley Municipal Water District

**Project Name:** Horsethief Canyon Water Reclamation Facility Expansion;  
Work Order No. 75888

**Project Location:** 13200 Shotgun Trail, Corona, CA 92883

**Project Bid Date / Time:** February 28, 2019 at 2 pm PST.

**Project Description:**

The expansion involves construction of an additional liquid treatment process train for secondary treatment using conventional activated sludge with an anoxic zone for nitrification/denitrification and a secondary clarifier. A diversion box will be constructed to allow mixed liquor to be diverted to and from the two trains. Pumping systems will be added for WAS and return activated sludge. Tertiary treatment will include new cloth filter, sized for the new 0.8 mgd capacity. A new chlorine contact tank will be constructed adjacent to the existing and new tertiary chemical systems will be constructed to serve filtration and disinfection. Solids from both trains will be combined for dewatering via screw press to produce a Subclass B cake for offsite disposal. Modifications to existing ponds will allow for diversion and storage of process water. A new operations building will include a blower room, odor control fan room, chemical storage room, dewatering room, and electrical and control rooms as well as other facilities.

Kiewit is requesting quotes in the areas described, but not limited to:

**Land surveying, dumpster/trash services, aggregates, utility materials, trucking & hauling, demolition, site clearing, grading, subgrade & roadbed, underground piping (dry), ductile iron pipe, plastic pipe, plastic polyethylene pipe, manhole material, asphalt paving, curbs & gutter, ready mix supply, concrete forms & accessories, concrete reinforcing installation, concrete pumping, structure concrete, precast concrete, concrete drilling & sawcutting, concrete rehabilitation, metals, welding services, wood material, finish carpentry, plastic fabrication, building insulation, joint sealer, metal doors and frames, overhead doors, window, plaster & gypsum board, paints & coating, specialties, louvers & vents, identification device, equipment, mixers & flocculator, clarifiers, water aeration equipment, chemical feed equipment, disinfectant feed equipment, hydraulic gates & valves, sewage & sludge pump, screening & grinding equipment, chemical equipment, filter press equipment, aeration equipment, bolts & gaskets, hangers & support, valves, pipes & tubes, HVAC, electrical work and telecommunications.**

All responsive subcontractors must possess a valid California Contractor's license and provide acceptable insurance. Responsible subcontractors and material contractors will be required to provide bonding for 100% of their contract value. Bond premium will be reimbursed by Kiewit. Plans and specifications are available at the address listed above or provided to you through Kiewit's electronic use of SmartBid-Net by contacting Kiewit.

Kiewit intends to conduct itself in good faith with all DBEs and all other business enterprises regarding participation on this project. For further information, assistance or questions regarding the project, to discuss your specialty or scope of work, project schedule, requirements of the contract, licensing, insurance or bonding, equipment, supplies, materials, related assistance or services, please contact the Lead Estimator listed above.

**Kiewit Infrastructure West Co.  
is an Equal Opportunity Employer.  
We encourage qualified women, minorities,  
veterans, individuals with disabilities,  
and others to apply.**





# California Sub-Bid Request Ads



**O.C. Jones & Sons, Inc.**  
 1520 Fourth Street • Berkeley, CA 94710  
 Phone: 510-526-3424 • FAX: 510-526-0990  
 Contact: Jason Martin

REQUEST FOR DBE  
 SUBCONTRACTORS AND SUPPLIERS FOR:

**Add Auxiliary Lane  
 Hwy 50 Sacramento  
 Caltrans #03-1F1904**

**BID DATE: February 12, 2019 @ 2:00 PM**

We are soliciting quotes for (including but not limited to):

Trucking, Temporary and Permanent Erosion Control Measures, Lead Compliance Plan, Construction Area Signs, Traffic Control System, Type III Barricade, Plastic Traffic Drums, Portable Changeable Message Sign, SWPPP, Rain Event Action Plan, Storm Water Sampling & Analysis, Clearing & Grubbing, Chain Link Fence, Temporary Fencing, Sweeping, ADL Burial Location Report, Treated Wood Waste, Roadway Excavation (Type R-1 Aerially Deposited Lead), Geosynthetic Reinforcement, Planting & Irrigation, AC Dike, Tack Coat, CIDH Concrete Pile, Structural Concrete, Sign Structure, Underground, Rock Slope Protection, Minor Concrete, Misc. Iron & Steel, Delineator, Pavement Marker, Roadside Signs, Midwest Guardrail System, Transition Railing, Alternative In-Line Terminal System, Striping & Marking, Electrical 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 DBE Participation. Plans & Specs are available for viewing at our office or through the Caltrans Website at [www.dot.ca.gov/hq/esc/oe/weekly\\_ads/index.php](http://www.dot.ca.gov/hq/esc/oe/weekly_ads/index.php).

REQUESTING DVBE COMPANIES  
 FOR THE FOLLOWING PROJECT:

**PROJECT:  
 SONORA ELEMENTARY SCHOOL –  
 PORTABLE CLASSROOM REPLACEMENT**

**OWNER:  
 SONORA SCHOOL DISTRICT**

**LOCATION:  
 830 GREENLEY ROAD, SONORA, CA 95370**

**BID DATE:  
 JANUARY 31, 2019 @ 2:00 p.m.**

**Bids should be sent to:  
[estimating@carterkelly.com](mailto:estimating@carterkelly.com)  
 and faxed to 530-621-2344**

**CARTER-KELLY, INC.  
 P.O. BOX 1477 • PLACERVILLE, CA 95667  
 PHONE: 530-621-0950 • FAX: 530-621-2344  
 CONTACT: JIM CARTER**

Carter-Kelly, Inc. is proud to be an EEO and requests quotations from Disabled Veterans, Small Business, Minority and Woman Owned businesses.

Any questions please call  
 Robyn Kelly 530-621-0950 or  
 email: [robynk@carterkelly.com](mailto:robynk@carterkelly.com)



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)  
 An Equal Opportunity/Affirmative Action Employer

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

**2019 NORTH MAIN STREET REHABILITATION  
 Contract No. 18-27**

**Disadvantaged Business Enterprise Goal  
 Assigned is 11%**

**OWNER  
 CITY OF WALNUT CREEK  
 1666 North Main Street,  
 Walnut Creek, CA 94596**

**FEBRUARY 12TH, 2019 @ 2:30 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, ADJUST IRON, CONSTRUCTION AREA SIGNS, ELECTRICAL, LANDSCAPING, MINOR CONCRETE, PAVEMENT MILLING, TRAFFIC CONTROL SYSTEMS, 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 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://desilvagates.com> and password is f7pa55wd) or from the Owner at Public Services Department, City Hall, Second Floor, Engineering Division, 1666 North Main Street, Walnut Creek, CA 94596 or from the Owner's site at <http://www.walnut-creek.org/departments/public-works/engineering-services/capital-investment-program/projects-out-to-bid>.

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/Public-Works.html](http://www.dir.ca.gov/Public-Works/Public-Works.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](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% Performance bonds may be required as a subcontract condition. This will be a PREVAILING WAGE JOB. DGC 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: Chris Pieri  
[cpieri@pacificstates.net](mailto:cpieri@pacificstates.net)**

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

**PROJECT:  
 Water Pollution Control Plant  
 Dirt Relocation 2019**

**OWNER:  
 City of San Leandro**

**BID DATE: February 6, 2019 @ 2pm**

We hereby encourage responsible participation of LBE's and solicit their subcontractors or materials and/or suppliers quotation for the following types of work including but not limited to:

**Trucking and Soil Treatment**

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. Please call if you need assistance in obtaining bonding, insurance, equipment, materials and/or supplies for this project.

This will be a PREVAILING WAGE JOB.

Specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA. PSEC is willing to breakout any portion of work to encourage LBE's and solicit their subcontractor or materials and/or suppliers and trucking quotation as well as increase the expectations of meeting the San Leandro business preference and participation goal. The Project plans and contract book may be obtained free of charge from the City's website <http://www.sanleandro.org/depts/finance/purchasing/bids>. If you require any assistance, or need help obtaining plans please contact the Estimator, Chris Pieri email him at [cpieri@pacificstates.net](mailto:cpieri@pacificstates.net) or call (925) 803-4333 and bids may be faxed to us at (925) 803-4334. 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).

We are  
 an Equal Opportunity/Affirmative Action Employer

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





# Public Legal Notices

## OAKLAND UNIFIED SCHOOL DISTRICT

### REQUEST FOR QUALIFICATIONS (RFQ NO. OUSDWCJPATPA2019)

#### WORKERS' COMPENSATION JOINT POWERS AUTHORITY & THIRD PARTY ADMINISTRATOR (TPA) AND MANAGED CARE SPECIALIZED SERVICES

#### NOTICE TO PROPOSERS:

Oakland Unified School District invites and will receive proposals for these specialized services until **3:00PM on February 28, 2019**

#### RESPONSES WILL BE RECEIVED AT THE FOLLOWING ADDRESS:

Oakland Unified School District  
Risk Management Department  
1000 Broadway, Suite 440  
Oakland, CA 94607

#### DISTRICT CONTACT PERSON RE RFQ:

Rebecca Littlejohn, Risk Management Officer  
(510) 879-1611  
rebecca.littlejohn@ousd.org

#### Notice to Proposers

**NOTICE IS HEREBY GIVEN** that Oakland Unified School District (hereinafter referred to as "District"), is seeking proposals from qualified Joint Powers Authorities ("JPA") demonstrating their qualifications to provide third party administration ("TPA"), managed care cost containment services, and loss prevention services for the District's workers' compensation program. Interested JPAs are requested to submit proposals for:

- (1) Inheriting and providing TPA services for those District workers' compensation claims open on or before June 30, 2019; and
- (2) Workers' compensation TPA services and managed care cost containment services for claims received/opened on/after July 1, 2019.

Interested JPAs are to submit a proposal that clearly delineates between the District's potentially required specialized services for the two aforementioned time periods.

No offer of intent should be construed from this legal notice that the District intends to enter into agreements with any interested companies for workers' compensation third-party administrator services and managed care cost containment specialized services unless, in the sole opinion of the District, it is in the best interest of the District to do so.

Written proposals shall be submitted in a sealed envelope and labeled **RFQ Response for "Workers' Compensation JPA & TPA and Managed Care Services (RFQ No. OUSDWCJPATPA2019)**, and must be received at the District office at 1000 Broadway, Suite 440, Oakland, CA 94607 – Attention : Rebecca Littlejohn, Risk Management Officer, Risk Management Department, by **3 p.m. on February 28, 2019**. Proposals received with a date or time stamp after the deadline may not be considered and could be returned to the proposer. Companies may not withdraw proposals for a period of sixty (60) days after the proposal submission deadline. Proposals will be evaluated in a non-public opening.

All requests for information concerning this RFQ must be directed to Rebecca Littlejohn. Proposers are not to contact District staff (except Rebecca Littlejohn) or members of the Board of Education about this RFQ or the selection process. Any Proposers who violate this request will be disqualified from further consideration.

The District reserves the right to reject any or all proposals, to waive any irregularity or informality in a proposal or in the proposer's process. Proposer's evaluation and ranking will be based upon a comprehensive review and analysis of the requested information to determination which proposal best meets the needs of the District for these specialized services. The District will be the sole judge of the suitability of the proposals. Selected and ranked proposers shall abide by the District's decision.

#### Schedule of Events RFQ Workers' Compensation Claims TPA and Managed Care Services

Activity	Completion Dates
Issue RFQ	January 25, 2019
Questions (submit in writing) deadline	January 31, 2019 @ 3 pm
District Response to Questions	February 8, 2019
<b>RFQ Proposal Responses Due</b>	<b>February 28, 2019 @ 3PM</b>
Evaluation of Proposals	March 4, 2019
<i>Notice of Possible Interviews (Finalists)</i>	March 8, 2019
Oral Interviews ( <i>tentative, and if deemed necessary</i> )	March 13, 14 and/or 15, 2019
Notice of Intent to Award	April 2, 2019
District Board Consideration of Contract Award	April 24, 2019
Effective Date of Contract	July 1, 2019

**Note:** The District reserves the right to cancel and/or modify the above dates at any time. Interviews and possible site visits may be held with selected firms that are determined to best meet the District's needs.





# California Sub-Bid Request Ads

Project: State Hwy from Euclid Avenue Rte 60/91/215 Separation  
 Project # 08-0Q75U4  
 OWNER: CALTRANS – DBE GOAL 14%  
 BID DATE: FEBRUARY 7TH, 2019 - BID TIME: 2:00 P.M.  
 \*\*Please respond by 5:00 p.m., FEBRUARY 6TH, 2019\*\*

Coffman Specialties, Inc. (CSI) is requesting quotes from all qualified subcontractors and suppliers for the following items of work, including but not limited to:

- TRUCKING / IMPORT BORROW, BASES ASPHALT
- EQUIPMENT RENTAL
- LEAD COMPLIANCE PLAN / ADL WORK
- SWPPP / WPC
- SURVEY / QC
- CONSTRUCTION AREA & ROADSIDE SIGNS
- PAVEMENT MARKING / STRIPING
- TRAFFIC CONTROL
- WATER TRUCK
- EARTHWORK / GRADING
- EROSION CONTROL
- METAL BEAM GUARD RAIL (MBGR) / FENCING
- CONCRETE SAWCUT & SEALING
- STREET SWEEPING
- DISPOSAL OF SOILS, PAVEMENTS & DEBRIS
- CONCRETE / MINOR CONCRETE
- ASPHALT / ASPHALT PAVING / ASPHALT DIKE
- COLD PLANING / PULVERIZING
- CLEAR & GRUB
- ELECTRICAL
- LANDSCAPING
- AGGREGATE SUPPLY / AGGREGATE BASE
- CONCRETE BARRIER
- REBAR
- DRAINAGE / PIPE SUPPLY
- GRINDING / CRUSHING
- JOINT
- DEMOLITION / EXCAVATION

Coffman Specialties, Inc. is signatory to Operating Engineers, Laborers, Teamsters, Cement Masons and Carpenters unions. Quotations must be valid for the same duration as specified by the Owner for contract award. Insurance and 100% Payment & Performance Bonds will be required, and will pay up to 1.5% for the cost of the bond. Waiver of Subrogation will be required. We will provide assistance/advice with obtaining Bonds/Insurance/Credit/Equipment/Materials and/or supplies.

**\*\*Subcontractors must provide a current contractor's license number and Department of Industrial Relations (DIR) current registration number with their quote.**

Plans and specs are available at no cost to interested firms. Please contact our office @ (858) 536-3100, email us: [estimating@coffmanspecialties.com](mailto:estimating@coffmanspecialties.com) or you can visit our San Diego Office. We are an EOE & seriously intend to negotiate with qualified firms.

\*\*Please send quotes via email to [estimating@coffmanspecialties.com](mailto:estimating@coffmanspecialties.com) or via fax to (858) 586-0164

If you have any questions or need further information, please contact Gus Rios or Marty Keane @ (858) 536-3100



9685 Via Excelencia, Ste 200 • San Diego, CA 92126  
 Phone: (858) 536-3100 • Bid Fax: (858) 586-0164  
 e-mail inquiries to: [estimating@coffmanspecialties.com](mailto:estimating@coffmanspecialties.com)

## ADVERTISE YOUR AD HERE

Advertise your Sub-Bid Requests in the Small Business Exchange

With a monthly readership of 75,000, SBE reaches a diverse audience, cutting across ethnic and gender lines as well as traditional industry segments.



### Request for Quotes from Certified DBE Subcontractors and Suppliers

Project: Route 60 Euclid, Ontario, CA • Contract No. 08-0Q75U4

Owner: Department of Transportation (CALTRANS)

BID SUBMITTAL DATE: February 7, 2019 at 2:00 PM

Federal-Aid Project ACSB1NH-P060(155)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 AC, Concrete Barrier, Concrete Supply, Construction Area Signs, Drill and Bond Dowel, Electrical, Fence, Grind Existing Pavement, Guardrail, Joint Seal, Minor Concrete, Miscellaneous Iron & Steel, Noise Monitoring, Overhead Signs, PCC Supplies, Pipe Supply, Pre/Post Construction Survey, Railing, Roadside Sign, Rock Blanket, Saw and Seal PCC, Spall Repair, Striping.

PLEASE SUBMIT QUOTES BY FAX TO (909) 597-8635 OR EMAIL TO [SoCalBids@FlatironCorp.com](mailto:SoCalBids@FlatironCorp.com)

Plans and specifications are available, at no cost from Caltrans website: <http://www.dot.ca.gov/des/oe/weekly-ads/specs-ntb.php?c=08-0Q75U4>. Additionally, plans and specifications are available at Flatiron's San Marcos, CA and Chino Hills, CA offices. Please call to make an appointment to view plans and specifications.

This project has a 14% 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.

1770 La Costa Meadows Drive, San Marcos, CA 92078 • Phone (909) 597-8413 / FAX (909) 597-8635  
 Email: [SoCalBids@flatironcorp.com](mailto:SoCalBids@flatironcorp.com) • Point of Contact: Veronica Garcia, Estimating Admin.