

## 4 Benefits of Using Takeoff Software



Photo by <http://ferdin.yasamayolver.com>

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

By: **Ida May Barlow,**

Are you still performing your takeoffs manually? If so, you probably spend more time shuffling through papers and plans than putting together your estimate and chances are you aren't alone. According to McKinsey Global Institute's Industry Digitization Index, the construction industry is one of the least digitized, beating out agriculture to avoid being at the bottom of the list.

In the past, construction firms that were first to adopt and implement new technology were simply reaping the benefits of the competitive advantages over those that weren't. Construction tech is advancing at a rate now that companies that continue to refuse to adopt tech are going to go the way of the dodo.

Getting buy-in from to adopt new tech can be challenging, from getting budget approval to getting end users to embrace usage rather than reverting to the old ways of doing things. Digital takeoff software is a great solution to ease into tech adoption. You'll see a measurable return on investment as your estimators streamline their estimating process and deliver more accurate esti-

mates and bids in a fraction of the time it would take to perform them manually.

Here's a look at some of the benefits that your estimators, and your company, will have from using takeoff software.

### Improves Productivity & Efficiency

Performing digital takeoffs is a reliable, repeatable process to quickly measure quantities, areas, and linear distances. Most takeoff software allows you to customize and create conditions and digitizations that you frequently use to improve the productivity and efficiency of your estimating team. Using similar procedures already loaded into the software allows for a quick, painless, and consistent process.

Performing manual takeoffs can be a long and tedious process. Reducing the time it takes to finish your takeoffs will allow more time to focus on getting your job costs and estimates right which will result in better bids and free your estimating team up to potentially take on more work.

### Enable Better Collaboration

One of the major benefits of many takeoff solutions is the ability to have multiple users working on the same project at the same time. Being able

to collaborate and communicate in real time with other team members while performing takeoffs can lead to better estimates and bids.

Collaborating on your projects can be a simple process when you use the right software. Being able to integrate your takeoff software with other solutions like job cost tracking, estimating, and project management software will help keep your entire team organized and working for the same data sets.

### Deliver Accurate Bids

Your bids are only as good as your estimates and your estimates are only as good as your takeoffs. Manual takeoffs are prone to a number of human errors from not factoring in the scale of the plans, to missing or outdated plan sheets, to miscalculations.

With digital takeoff solutions, you can easily organize and manage plan sheets and addenda, ensuring nothing gets left out. Easily set the scale of the plans and create digital takeoffs to automatically get accurate measurements for volume, surface areas, height, perimeters, and more. No more worrying whether your measurements or conversions were off. Getting precise takeoff quantities

■ Continued on page 4



# California Sub-Bid Request Ads

## SUKUT CONSTRUCTION

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

### Subs

Asphalt Paving, Biologist, Bridge, CAS, Clearing & Grubbing, Concrete Flatwork, Erosion Control, Fencing, Landscaping, Rip Rap, Striping & Signage, SWPPP

### Vendors

Import Dirt, Asphalt, Class 2 Aggregate, Rock 4" Aggregate, Concrete, Erosion Control, Dump Fees - PCC & AC, Filter Fabric, K-Rail purchase, Miscellaneous Iron - Drainage Inlets and Manholes, Rip Rap, Traffic Control

### FOR CONSTRUCTION ON STATE HIGHWAY IN YUBA COUNTY NEAR SMARTVILLE FROM THE YUBA RIVER BRIDGE TO 0.3 MILE EAST OF SMARTVILLE ROAD

In District 03 On Route 20

Contract No. 03-3F5104 Federal-Aid Project ACHSNH-P020(189)E

DBE Goal 12%

**BID DATE September 12, 2019 @ 2:00 p.m.**

**Sub & Vendor Quotes Due Prior**

### 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 Construction 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.

Sukut Construction, LLC  
An Equal Opportunity Employer

### Proven Management, Inc.

225 3rd Street, Oakland, CA 94607

Phone: 510-671-0000 • Fax: 510-671-1000

Requests proposals/quotes from all qualified and certified Disadvantaged Business Enterprises (DBE) subcontractors, suppliers, and truckers for the following project:

US 101 / Holly Street Interchange & Pedestrian  
Overcrossing Project

City of San Carlos #04-1G6224

Bids: **October 21, 2019 @ 10 am**

SUBCONTRACTING GOAL - DBE - 8.4%

The work consists but not limited to the following: SWPPP; Traffic Control System; Type III Barricade; Temporary Pavement Marking (Paint); Temporary Traffic Stripe (Paint); Traffic Signs; Erosion Control; Hydro Mulch; Fiber Rolls; Silt Fence; Hydroseed; Street Sweeping; Bridge Removal; Lightweight Cellular Concrete Backfill; Ditch Excavation; Import Borrow; Clearing & Grubbing; Structure Excavation (Retaining Wall); CIDH Concrete Piling; Reinforcing Steel; Misc Metal (Restrainer-Cable type); Concrete Work; Signal & Lighting; Pavement Markers; Chainlink Railing; Concrete Barriers; Asphalt Concrete; Prestressing Concrete; Concrete Curbs & Gutters; Railings & Barriers; Markings; Electrical; Fiber Optic System.

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 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 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.

We are an Equal Opportunity Employer

CAHILL CONTRACTORS LLC  
requests bids from Certified SBE Subcontractors  
and Suppliers for ALL trades EXCEPT:

Exterior Building Maintenance / Fire Sprinkler /  
Fire Alarm / ERRCS / Solar

MACEO MAY - REMAINING TRADES  
Ave. C & 5th Street, Treasure Island, CA

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

BID DATE: 9/26/19 @ 2 PM

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:

Exterior Building Maintenance / Modular /  
Fire Sprinkler / Fire Alarm / Solar

1064

MISSION STREET - REMAINING TRADES  
1064 Mission Street, San Francisco, CA 94103

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

BID DATE: 9/16/19 @ 2 PM

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.

## SBE OUTREACH SERVICES

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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

Publisher of  
Small Business Exchange  
weekly newspaper



# California Sub-Bid Request Ads



## McCarthy Building Companies, Inc.

Subcontractor Solicitation of Interest  
**RANCHO LOS AMIGOS**  
**ISD & PROBATION HEADQUARTERS PROJECT**  
 Downey, CA

**Bid Date: September 13, 2019**

McCarthy Building Companies, Inc. is soliciting interest from qualified subcontractors and suppliers to participate in the bidding for award phase of the project upon completion of the design. The Scope of Work includes:

a. This project will design and construct a new, multi-story ISD and Probation Headquarters building(s) of approximately 472,000 square-feet, on a 12.7-acre site within the larger Rancho Los Amigos South Campus. The project goal is to create a new County paradigm for an open, collaborative, and high-tech office space that aligns with the County campus mission statement of "transforming public service." The project also includes shared campus spaces including an auditorium, a fitness center, and a cafeteria. This site is currently un-occupied and contains existing buildings that are in various stages of abandonment and deterioration. New construction will include a secure parking structure for the staff, fleet, and visitors, all necessary site improvements, structures, site infrastructure, utilities, site lights, CCTV and security systems, Furniture, Fixtures, and Equipment, landscaping, irrigation and signage. The proposed project will be designed to achieve the Leadership in Energy and Environmental Design (LEED) Gold rating or better. Also included is demolition and hazardous materials removal of existing buildings and "mothballing" of two existing structures-Casa de Consuelo and Power Building.

**Work categories include:** Building Demolition & Abatement; Site Clearing & Earthwork; Asphalt Concrete Paving & Striping; Site Concrete; Site Utilities; Fences & Gates; Athletic equipment; Landscaping & Irrigation, Site Furnishings; Reinforcing Steel; Structural Concrete; Masonry; Structural Steel; Metal Decking; Misc. Metal Fabrications; Ornamental Metal; Rough Carpentry; Finish Carpentry & Casework; Roofing & Waterproofing; Insulation; Sheet Metal Joint Sealants; Doors/Frames/Hardware; Access Doors; Glass & Glazing; Coiling/Overhead Doors; Elevator Smoke Containment Doors; Accordion Folding Doors; Tile; Acoustical Ceilings; Acoustic Wall Treatment; Resilient Flooring & Carpet, Vapor Emissions; Resinous Flooring; Painting & Wallcoverings; Markerboards/Tackboards; Wall Protection; Signage (Site/Bldg.); Lockers; Fire Extinguishers/Cabinets; Toilet Accessories/Partitions; Projections Screens; Flagpoles; Window Washing Equipment; AV Equipment; Loading Dock Equipment; Food Service Equipment / Cold Storage; Equipment; Window Treatment; Entrance mat/frames; Elevators.

- \* - This project will have a Project Labor Agreement
- \* - A 100% Performance and Payment Bond from an admitted surety will be required upon award of contract for all trades.
- \* - McCarthy is an equal opportunity employer and encourages qualified Small Business and Minority Business participation.

Please contact us if you have any questions regarding project specifics:

### McCarthy Building Companies, Inc.

20401 S.W. Birch Street, Newport, CA. 92660  
 Phone (949) 851-8383 Ext. 73347 • Fax (949) 756-6841  
 LeAnn Battle-Laridon, Preconstruction Assistant, E-Mail: pbattlelaridon@mccarthy.com



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

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

REQUEST FOR LIABE/LBABA/SBE/VSBE  
 SUBCONTRACTORS AND SUPPLIERS FOR:  
**800 Series Building Pavement Reconstruction**  
 Port of Oakland  
 Project #2018-03-M2  
**BID DATE: September 23, 2019 @ 12:00 PM**

We are soliciting quotes for (including but not limited to): Trucking, Adjust Utilities to Grade, Bollards, Survey, SWPPP, Sweeping, Concrete and Construction Materials

#### An Equal Opportunity Employer

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/LBABA/SBE/VSBE participation. Plans & Specs are available for viewing at our office.



431 Payran Street, Petaluma, CA 94952  
 Phone: 707-835-2900 • Fax: 707-835-2994

REQUESTS QUOTATIONS FROM ALL  
 STATE OF CALIFORNIA DGS CERTIFIED DVBE  
 SUBCONTRACTORS & SUPPLIERS  
 and ALL QUALIFIED SUBCONTRACTORS &  
 SUPPLIERS FOR ALL TRADES  
 FOR THE FOLLOWING PROJECT:

**GARFIELD ELEMENTARY SCHOOL  
 MODERNIZATION  
 SAN FRANCISCO, CA  
 SFUSD Project #11891**

**BID DATE: September 12, 2019 @ 2:00pm**  
**ESTIMATE: \$11,000,000**

Trades needed but not limited to: Abatement and Demolition, Hard Demolition, Site Demo, Grading and Paving, Site Utilities, Concrete, Rebar, Landscape and Soil Prep, Carpentry, Casework, Electrical, Structural Steel, Ornamental Metals, Chain link Fencing, Drywall and Metal Framing, Lath and Plaster, Building Insulation, Self-Adhere Waterproofing, TPO Roofing, Alum. Roofing, Sheetmetal Flashing, Ceramic Tile, Terrazzo Refinishing, Epoxy Flooring, Resilient Flooring, Painting, Alum Windows, Glazing, FRP Doors, Tubular Daylight Systems, Hollow Metal, Wood Doors, Finish Hardware, Door and Hardware Install, Overhead Coiling Doors, Play Equipment and Structures, Food and Laundry Equipment, Hydraulic Elevator Modifications, Elevator Smoke Door, Window Coverings, Fire Sprinklers, Plumbing, Mechanical and Controls, Survey, Erosion Control, Signage, Manufactured Casework, Visual Display, Toilet Partitions and Accessories, Evacuation Chairs and Cabinets, Lockers, Storage Assemblies, Fire Extinguisher Cabinets, Bird Control Devices, Projection Screens, Entrance Mats and Grates, Site Furnishings.

#### CONTACT:

Kelsey Godfrey [bid@arntzbuilders.com](mailto:bid@arntzbuilders.com)

All contractors shall be registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5 to be qualified to bid on, be listed in a bid proposal (submitted on or after March 1, 2015) or be awarded a contract for public work on a public works project (awarded on or after April 1, 2015). In addition, they are subject to the requirements of Section 4104 of the Public Contract Code.

BONDING, INSURANCE, TECHNICAL ASSISTANCE AVAILABLE. PLANS AVAILABLE IN GC'S PLAN ROOM. SUCCESSFUL SUBCONTRACTORS WILL BE REQUIRED TO SIGN ARNTZ BUILDERS, INC. STANDARD SUBCONTRACT AGREEMENT WHICH INCLUDES ARNTZ BUILDERS, INC. REQUIREMENT THAT SUBCONTRACTORS PROVIDE A 100% FAITHFUL PERFORMANCE AND PAYMENT BOND OF THE SUBCONTRACT PRICE FROM A TREASURY LISTED SURETY COMPANY ACCEPTABLE TO ARNTZ BUILDERS. BOND PREMIUM TO BE INCLUDED IN BID AS A SEPARATE ITEM. SUBCONTRACTORS WILL BE REQUIRED TO PROVIDE A WAIVER OF SUBROGATION ENDORSEMENT TO THEIR WORKERS COMPENSATION INSURANCE.

WE ARE SIGNATORY TO THE CARPENTER'S AND LABORER'S COLLECTIVE BARGAINING AGREEMENTS  
 AN EQUAL OPPORTUNITY EMPLOYER



# California Sub-Bid Request Ads

**PROJECT: State Hwy Rte 10/60 Separation to Rte 10/111 Separation  
Project # 08-1C38U4**

**OWNER: CALTRANS - DBE GOAL 13%**

**BID DATE: SEPTEMBER 18, 2019 BID TIME: 2:00 PM**

**\*\*Please respond by 5:00 p.m., SEPTEMBER 17, 2019\*\***

**Coffman Riverside Joint Venture** is requesting quotes from all qualified subcontractors and suppliers for the following items of work, including but not limited to:

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

Coffman Riverside Joint Venture 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 or [estimating@rivconstruct.com](mailto:estimating@rivconstruct.com) or via fax to (951) 682-5872

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



9685 Via Excelencia, Suite 200 San Diego, CA. 92126 Phone (858) 536-3100 Bid Fax (858) 586-0164

[www.coffmanspecialties.com](http://www.coffmanspecialties.com)

P.O. Box 1146 Riverside, CA 92502 Phone (951) 682-8308 Bid Fax (951) 682-5872

[www.rivconstruct.com](http://www.rivconstruct.com)



**Proven Management, Inc.**  
225 3rd Street, Oakland, CA 94607  
Phone: 510-671-0000 • Fax: 510-671-1000

Requests proposals/quotes from all qualified and certified Disadvantaged Business Enterprises (DBE) subcontractors, suppliers, and truckers for the following project:

**Highway 101 Pedestrian / Bicycle Overcrossing &  
Adobe Creek Reach Trail Project  
City of Palo Alto IFB #174550**

**Bids: September 25, 2019 @ 3 pm**

**SUBCONTRACTING GOAL - DBE - 13%**

The work consists but not limited to the following: concrete approach ramps; pre-fabricated steel truss principal span; abutments & cast-in-drilled hole (CIDH) pile foundations; overlook; railing & fencing; crosswalks; driveways & sidewalks improvements; pavement; traffic control; SWPPP; street & bridge lighting; signs; potholing; surveying; striping; landscaping & irrigation; art elements installation coordination.

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 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 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.

**We are an Equal Opportunity Employer**



**Barnard Bessac Joint Venture  
DBE Opportunities**

Barnard Bessac Joint Venture, an Equal Opportunity Employer, is seeking quotes from interested and qualified Disadvantaged Business Enterprises (DBE's) and other subcontractors and suppliers for the following:

**PROJECT:  
Gravity Pipeline Progressive Design Build Project  
OWNER: Silicon Valley Clean Water**

**Initial Publish Date: August 20, 2019  
Proposal Deadline: September 20, 2019**

Firms that are certified by one of the following programs are qualified: Entities owned and/or controlled by socially and economically disadvantaged individuals, MBE, WBE, SBE, SBRA, LSAF and HUB.

**OPPORTUNITIES INCLUDE  
(For September 20, 2019 Deadline):**

Barnard Bessac Joint Venture (BBJV) is soliciting pricing for tunnel spoils off-haul trucking and disposal from permitted disposal sites in and around the San Francisco Bay Area as part of the Silicon Valley Clean Water (SVCW) Gravity Pipeline Project. Approximately 135,000 bank cubic yards of excavated material will be generated during tunneling operations from two tunnel boring drives. BBJV requires disposal sites to have the capability to receive no less than 500 to 1,000 bank cubic yards of material per day. BBJV's tunneling operations are planned for 5 days per week, Monday through Friday, with tunnel spoils off-haul occurring up to 6 days per week, rain or shine.

Please contact either of the following to get your name on the bidders list:

**Shannon Cozino:  
[shannon.cozino@barnard-inc.com](mailto:shannon.cozino@barnard-inc.com)**

**Ben Weldin:  
[ben.weldin@barnard-inc.com](mailto:ben.weldin@barnard-inc.com)**

## Takeoff Software

Continued from page 1

will lead to more accurate estimates and more profitable bids.

### Get a Competitive Advantage

Takeoff software gives you the capabilities and tools necessary to finish your bid faster than you could by doing it by hand. Get a leg up on your competitors by being able to complete fast and accurate bids. By completing takeoffs faster, you can build in more time to review and double check your estimates and bids. Get your estimating team in the habit of completing your bids ahead of schedule rather than scrambling around at the last minute to get everything submitted on time.

**SOURCE: [www.constructconnect.com/blog/4-benefits-using-takeoff-software](http://www.constructconnect.com/blog/4-benefits-using-takeoff-software)**

# How prequalification helps GCs avoid project delays

[ Article was originally posted on <https://blog.buildingconnected.com> ]

By Nate Mihalovich,

There's a common misconception in the construction industry that the entire purpose of prequalification is to avoid subcontractor default. Though subcontractor default can have devastating consequences and is certainly something to mitigate against, thorough prequalification accomplishes so much more than just that. With the right prequalification process, GCs can protect themselves against a wide range of risks, including those much more commonly faced on the job site.

Take project delays, which are all too familiar for the majority of GCs. According to McKinsey, large projects across asset classes typically take 20 percent longer to finish than scheduled. When done properly, continuous prequalification can help prevent delays, incidents, and complications — keeping projects on time and under budget.

## 1. Financial health can be a predictor of work quality

According to some studies, over half of construction defects can be attributed to human error. A subcontractor's financial statements don't just let you know if they have enough capital or liquidity to complete the project; they also indicate whether a subcontractor may have a higher risk of quality issues on the job.

If a subcontractor is currently strapped for cash, they'll look to do things as cheaply as possible, relying on less qualified labor, inadequate staffing, or poor supervision. These attributes are often cited as signs of subcontractor distress that can be caught on the job site — but continuous prequalification works as a type of preventative care, helping you avoid quality issues long before groundbreaking. When you continually collect this information, you'll have greater insight into

a subcontractor's capabilities at any given point in time.

## 2. Backlog can affect timeliness

General contractors know that overworked subcontractors can default. Checking their backlog prevents a GC from working with a sub that's stretched too thin across many projects, which also indicates whether or not they'll be able to complete the work on schedule and without incident.

Even if they aren't likely to default, an overextended sub taking on many projects at once may struggle to scale their operations in order to meet the needs of their growth. This could lead to slippage in company standards (from newly untrained supervision), or an inability to deploy capital effectively to keep up with many projects happening simultaneously.

When teams are under the gun and feel the pressure, they tend to make mistakes and cut corners to keep up — a slippery slope that leads to both delays and safety issues on the job site.

## 3. Safety history tells an important story

The construction industry is well-known for being one of the most dangerous fields to work in: out of every 5,000 private-industry worker fatalities, 20 percent are in construction. Subcontractors that have a history of strong safety performance (i.e. healthy EMR, Recordable Incident Rate, and Days Away / Restricted Transfer Rate) are far less likely to have an incident on their next project.

In addition to the potential harm to workers, a serious accident can cause work to be stopped or delayed and lead to a decrease in productivity due to low morale among your workers. This can put your project, and your company, in huge financial risk due to all the costs associated with the time lost from dealing with an accident.

## 4. Context = everything

Looking at financial, safety, backlog, insurance, and other subcontractor information through the lens of default prevention can be dangerous. GCs should stop looking for subs that can simply complete the work on paper. Instead, all of this data should be evaluated to understand:

- Which of these bidders is going to perform the best on the job site?
- Which of these subs will dedicate the time, energy, resources, and expertise necessary to complete the project with the least amount of interruptions?
- Which of these subs has the prior project experience applicable to this new job?

Subcontractor selection should go beyond meeting bare minimum requirements and instead focus on choosing the right subcontractor for any given circumstances.

Wrap-up

Of course, there's a caveat to all of this: a continuous subcontractor prequalification process can help GCs avoid more than just subcontractor default, but that isn't true for all prequalification software, and it's definitely not always true for homegrown systems.

TradeTapp's automated risk analysis, mitigation recommendations, and subcontractor benchmarks greatly improve the prequalification process and help GCs protect themselves against a wider range of risk. To stay competitive in today's construction environment, it's important to look at the big picture: how can you avoid risk at every turn and ensure your projects are profitable? The answer is continuous prequalification through TradeTapp.

**SOURCE:** <https://blog.buildingconnected.com/how-prequalification-helps-gcs-avoid-project-delays/>

# The importance of technology adoption in construction

[ Article was originally posted on <https://blog.buildingconnected.com> ]

By Tony Faccenda,

For the past two decades, construction has been the most collaborative, yet most fragmented industry in the world. Over that time, construction productivity has only grown 1% a year on average. In 2018 alone, more than 1,231 billion was spent on construction in the U.S. That's a large number, but the problem is that projects typically take 20% longer to finish than scheduled and are up to 80% over budget, according to a McKinsey & Company report.

To change this, industry leaders are making the case for construction technology. But the importance of technology adoption goes beyond just productivity and efficiency. We asked general contractors about why it's important for the construction industry to invest in technology

## Make projects safer and more efficient

*"The construction industry has been historically slow to adopt technology. Men and women still construct buildings with their hands, so no matter how much technology or machinery we have, adoption is going to be slow. It's a profession of*

*human beings. UAG is passionate about finding and utilizing technology that enables people to work more efficiently and more safely on projects. That has holistically been a good approach for us, and the more technology we can find that is useful to our business, we absolutely want to apply it to our projects."*

— Andrew D'Amico, President at UAG

## Use technology to gain a competitive advantage

*"It's important to implement technology to keep up with the fast pace of the construction industry. Humans can only do so much. We only have so much brainpower. There comes a point where you're hindered by that human element. You have to bring in technology innovations and systems to mass release information. We have to be able to communicate very quickly, and the best way to do that is with new, innovative software. We use technology in the field every day to help fast track issues back to our management teams in our offices so they can quickly get that out into the field. But we use technology to communicate with our clients, not by taking notes in the field, but by going back to our desks and sending an email. Hav-*

*ing technology that enables us to communicate in real-time is what gives us that competitive edge."*

— George Rodriguez, Cost Manager at UAG

## Change with the rest of the industry

"Yes, the industry has been underserved by technology — I've heard horror stories from people who've been doing this for 30-plus years. But that's changing, and it's changing rapidly. These days, you see more people on the field with iPads than notepads.

"The last of the technological front is the estimating department because it used to just be a pen and paper. We would mark up our drawings and get estimating done that way. Now takeoffs are done on a dedicated computer with touch screens to do estimating directly on a 40-inch screen. So while it took a long time to get the ball rolling, it's companies like BuildingConnected that are showing people it's time to evolve."

— Stephen Fontana, Estimating at Holt Construction

**SOURCE:** <https://blog.buildingconnected.com/the-importance-of-technology-adoption-in-construction/>



# 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](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 99 - STATE HIGHWAY IN MERCED COUNTY IN AND NEAR LIVINGSTON FROM 0.8 MILE SOUTH OF HAMMATT AVENUE OVERCROSSING TO STANISLAUS COUNTY LINE**  
Contract No. 10-0Q1214  
Federal Aid Project No. ACSB1TCEPNH-P099(639)E  
Disadvantaged Business Enterprise Goal  
Assigned is 13%

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

**REVISED BID DATE:**  
**SEPTEMBER 11TH, 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, POLYESTER CONCRETE INLAY, BRIDGE, BRIDGE REMOVAL, CIDH SUB, CLEARING AND GRUBBING/DEMOLITION, COLD PLANE, CONCRETE BARRIER, CONSTRUCTION AREA SIGNS, CRASH CUSHION, ELECTRICAL, EROSION CONTROL, JOINT SEAL, K-RAIL SUPPLIER, LEAD COMPLIANCE PLAN, MBGR, MINOR CONCRETE, MINOR CONCRETE STRUCTURE, PCC PAVING, PILING, REINFORCED STEEL, ROADSIDE SIGNS, ROADWAY EXCAVATION, ROCK SLOPE PROTECTION, SIGN STRUCTURE, SOUNDWALL (MASONRY), STRIPING, STRUCTURAL BACKFILL, STRUCTURAL EXCAVATION, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TEMPORARY EROSION CONTROL, UNDERGROUND, VEGETATION CONTROL, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE SUB BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL, ASPHALT OIL BINDER.**

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](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 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](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.

## DESILVA GATES CONSTRUCTION

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Dublin, CA 94568-2909  
(925) 829-9220 / FAX (925) 803-4263  
Estimator: **JIM YACKLEY**  
Website: [www.desilvagates.com](http://www.desilvagates.com)  
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Affirmative Action Employer

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

**CALTRANS ROUTE 5, 51, 65, 174 - CONSTRUCTION ON STATE HIGHWAY IN NEVADA, PLACER, AND SACRAMENTO COUNTIES AT VARIOUS LOCATIONS**  
Contract No. 03-4H5504,  
Federal Aid Project No. ACHSST-000C(502)E  
Disadvantaged Business Enterprise Goal  
Assigned is 15%

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

**BID DATE: SEPTEMBER 4, 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:

**HIGH FRICTION SURFACE TREATMENT, COLD PLANE, CONSTRUCTION AREA SIGNS, ELECTRICAL, EMULSION SUPPLIER, FABRIC/GEO-SYNTHETIC PAVEMENT INTERLAYER, STRIPING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TRUCKING, WATER TRUCKS, STREET SWEEPING, HOT MIX ASPHALT (TYPE A) MATERIAL, RUBBERIZED HMA (OPEN GRADE) MATERIAL, ASPHALT OIL.**

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](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)

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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.



## Kiewit

**Kiewit Infrastructure West Co.**  
4650 Business Center Drive Fairfield, CA 94534  
Attn: Victor Molina • [norcal.bids@kiewit.com](mailto:norcal.bids@kiewit.com)  
Fax: 707-439-7301

Requests sub-bids from qualified Subcontractors, Consultants, and/or Suppliers seeking to participate in the construction on the Dale Avenue Pump Station Project.

<https://cucp.dot.ca.gov/cucp/>  
<http://www.epa.gov/>  
<http://www.sba.gov>

Subcontractors and Suppliers  
for the following project:

**Dale Avenue Pump Station (DAPS)**  
City Project No. 46S003-46S15-0553-46320  
Owner: City of San Mateo

**Bid Date: September 9, 2019 by 2:00 P.M.**

**Disadvantaged Business Enterprises (DBEs)**  
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 wanted for the following scopes, including, but not limited to:

**Aggregates, AC Paving, Bypass Pumping, CIDH, CIPP Rehab, Concrete - Structural, Concrete Reinforcing, Concrete Supply, Concrete Precast, Concrete Pumping, Demo, Electrical, Elevators, Equipment, Hazardous Abatement, HVAC, Landscaping, Masonry, Metals, Painting & Coatings, Pipe Inspection, Piping & Valves, Quality Control, Structural Steel, SWPPP, Survey, Trucking & Hauling, Water & Sweeper Truck.**

Bonding, insurance and any technical assistance or information related to the plans or specification and requirements for the work will be made available to interested DBE, MBE, SBE, SBRA, LSAF or HUB certified suppliers, service providers and subcontractors. Assistance with obtaining necessary equipment, supplies, materials, or services for this project will be offered to interested certified suppliers, service providers and subcontractors.

**Subcontractor and Supplier Scopes are due September 2, 2019 and Quotes NO LATER THAN September 8, 2019 at 5 PM.**

Plans are available for viewing at our office at our address below and through SmartBidNet (SBN).

All subcontractors that are registered in our SBN database will receive an invitation to bid. Please visit <http://www.kiewit.com/districts/northern-california/overview.aspx> to register your company and to be able to receive bidding information, view plans and specifications.

You can view the plans in our office during regular business hours by appointment.

Performance Bond and Payment Bonds may be required for subcontractors and a suppliers bond for suppliers.

Davis-Bacon Act and American Iron and Steel Requirements Apply  
Water Infrastructure Finance and Innovation Act (WIFIA) Provisions apply

Subcontract work shall be signatory to the applicable local union or willing to sign a one-time agreement.

**An Equal Opportunity Employer**  
CA Lic. 433176  
DIR# 1000001147

SMALL  
**BUSINESS**  
EXCHANGE

# Tutor Perini/O & G Joint Venture (TPOG)



## SEEKING DBE FIRMS

FOR SUBCONTRACTING OPPORTUNITIES ON THE WESTSIDE  
PURPLE LINE EXTENSION SECTION 2 PROJECT

**OWNER: LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY (LACMTA)**



## INTERESTED IN WORKING WITH TPOG?

TPOG issues Notice of Interest (NOI) Emails to all Tutor Perini/O & G Joint Venture registered vendors notifying them of upcoming 1st tier opportunities on the project. All CUCP certified DBEs vendors based in Southern California are already registered with TPOG. Please contact us if your firm is not receiving TPOG Notices of Interest by sending a note to:

**[Nareg@moderntimesinc.com](mailto:Nareg@moderntimesinc.com)**

### **BONDING, LINES OF CREDIT, AND INSURANCE SUPPORT SERVICES:**

TPOG is willing to assist DBE Subcontractors and suppliers in obtaining access to bonds, lines of credit and insurance. Please email Nareg Bostanian for your requests for assistance.

TPOG is soliciting in good faith all interested subcontractors as well as certified DBE firms. If you are interested in bidding or have any questions in relation to the scope, please email DBE Project Coordinator: Nareg Bostanian or visit the website below. <http://www.tpogjv4purpleline.com/index.html>