

## 10 construction industry trends to watch in 2017



Despite that positive forecast, a feeling of uncertainty continues to loom over the industry. We spoke with experts from various sectors of the construction sector to find out their predictions for 2017. While questions regarding what the incoming Trump administration means for construction dominated the conversation, they also described the new technologies, project delivery methods and workforce management trends they expect to shape the industry this year.

**Here are the top 10 trends to watch in 2017:**

### 1. Collaborative project delivery methods will become more popular

The days of design-bid-build domination might be winding down, as experts expect collaborative approaches to become more common for projects. Design-build, public-private partnerships and integrated project delivery are three of the most often-cited methods that are altering the industry and are likely to gain ground in 2017.

“There will be a continuing and expanded trend towards project team collaboration. I call that moving from an art to a science,” said Sue Klawans, senior vice president and director of operational excellence and planning at the Gilbane Building Company. “The owner-architect-contractor, if we happen to build a good relationship, it’s an art. All the research and demonstrated achievements are coming from starting to organize thoughts about that and figure out what are the factors that allow a team to collaborate better.”

The design-build process consolidates the design and construction phases into one contract, while the less common IPD arrangement involves the owner, architect, contractor and other project stakeholders entering into a single contract in which they collectively determine project goals, costs, risk-sharing and compensation.

“Design-build is taking hold,” said Michael Vardaro, managing partner at Zetlin & De Chiara. “It allows more collaboration and gets you to the completed product much faster.”

On the public sector side, P3s involve a government entity hiring a group from the private sector to design, finance and build a large project. That group will then operate and maintain the facility for years before turning it back over to the owner.

“It’s taken a few years, but [P3s] have definitely caught on in the United States. [Agencies] just don’t know how to do it,” said William Eliopoulos, head of the construction industry practice at Rutan & Tucker. “As a delivery method, they’re used to the old traditional way. This is new. They’re giving up a little more control, which is a good thing. They’re going to rely now on a private developer to do some of the things they used to do themselves.”

### 2. The labor shortage will continue to plague the industry

One trend that the industry hoped would fade away is, instead, raging on. The skilled labor shortage is a major concern for firms across the U.S. as employers struggle to staff their job sites. “If the economy stays strong and there’s continued investment in infrastructure, I don’t see the shortage going away,” Klawans said.

This trend is lingering after a huge chunk of the construction workforce were forced to leave the industry for other jobs during the recession when their work disappeared. Between April 2006 and January 2011, the construction industry eliminated more than 40% of its work force, cutting nearly 2.3 million jobs. Unfortunately, a significant portion of those workers haven’t returned.

A lack of technical training in schools and less emphasis on the trades are also contributing to a smaller pool of workers entering the industry. Combined with an aging workforce, those factors are creating a struggle for construction firms seeking employees for positions ranging from skilled trades to managerial roles.

Aside from the long-term implications of a dwindling labor pool, firms are feeling the immediate impacts of the worker shortage, as it can lead to higher costs and longer project schedules.

On the positive side, Klawans noted that the current dearth of workers presents an opportunity for young people choosing a career path. “It presents an exciting opportunity for people with skills and capabilities but who have not traditionally had access to a well-paying job,” she said. “This industry has a lot of them, in the trades and project management.”

### 3. The feeling of uncertainty will linger under the new administration

Last year was defined by uncertainty, as construction firms awaited the results of the presidential election.

■ **Continued on page 4**

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# California Sub-Bid Request Ads



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

Soil Nails, Shotcrete, AC Paving, Micro Tunneling, Minor Concrete, Rebar, Clear & Grub, Dewatering, Cement-Bentonite Cut-Off Wall, Hydroseeding, Electrical, Fencing, Furnish & Install Rip Rap, Silt Fence, Sand Bags, Fiber Rolls, Supply CMB, Supply Decomposed Granite, Supply Drain Rock, Supply Filter Sand, Supply Rip Rap, Supply Asphalt Concrete, Supply Misc. Metals

## TRAMPAS CANYON DAM AND RESERVOIR

San Juan Capistrano, Orange County, CA

Santa Margarita Water District

Contract Number 1773

Project Code: C00C73

**BID DATE August 9, 2017 @ 2:00 p.m.**

Sub & Vendor Scopes and Bids Due Prior

**Sukut Construction, LLC**

4010 W. Chandler Avenue, Santa Ana, CA 92704

Contact: Jerry Pabbrowee

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 or via ftp. 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 Construction 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



8201 Edgewater Drive, Suite 202 • Oakland, CA 94621

Phone (510) 777-5000 • Fax (510) 777-5099

SLBE (Alameda CTC) Subcontractor/Supplier Bids Requested For:

**City of Fremont - Warm Springs BART West Access Bridge and Plaza Project**  
City Project No. PWC 8804

**Bid Date: August 1, 2017 at 2:00PM**

**Fax all quotes to 510-777-5099**

Requesting certified SLBE (Alameda CTC) Subcontractor and Supplier Quotes on: **Ready-Mix Supplier, Aggregate Supplier, Misc. Metals Supplier, Structural Steel Supplier, Pipe Supplier, Station Plaza Furnishings, Bridge Bearing Pads, Electrical, Communications, Fencing, Railing, Rebar, Mechanical, Civil & Utilities, Elevator & Escalator, Masonry, Concrete Flatwork, Structural Steel Erection, Structural Concrete, Landscaping, Signs, Striping, Driven Pile, Demolition, Water Pollution Prevention, Construction Testing, Trucking**

Plans and specifications are available through BidSync, may be purchased through ARC (408)262-3000, or are available for viewing by appointment only at Shimmick Construction's Office: 8201 Edgewater Drive, Suite 202, Oakland, CA 94621.

Subcontractors and Suppliers interested in this project may contact Aron Oshio by email at [oshio@shimmick.com](mailto:oshio@shimmick.com).

100% Performance and Payment bonds with a surety company subject to approval of Shimmick Construction Company, Inc. are required of subcontractors for this project. Shimmick Construction will pay bond premium up to 1.5%. Subcontractors will be required to abide by terms and conditions of the AGC Master Labor Agreements and to execute an agreement utilizing the latest SCCI Long Form Standard Subcontract incorporating prime contract terms and conditions, including payment provisions. Shimmick Construction's listing of a Subcontractor is not to be construed as an acceptance of all of the Subcontractor's conditions or exceptions included with the Subcontractor's price quote. Shimmick Construction requires that Subcontractors and Suppliers price quotes be provided at a reasonable time prior to the bid deadline to enable a complete evaluation. For assistance with **bonding, insurance or lines of credit contact Scott Fairgrieve at (510) 777-5000.**

Charles Pankow Builders, Ltd. is seeking certified and qualified SBE, DVBE and WeBuild subcontractors interested in assisting Pankow with a budget on our proprietary conceptual drawings to aid us in this pursuit of the

### Roosevelt High School Comprehensive Modernization Project.

Pankow is seeking participation from the following trades: **Demolition & Abatement, Concrete Reinforcing, Concrete Ready Mix, Structural Steel Framing, Metal Decking, Metal Fabrications & Stairs, Architectural Woodwork, Insulation, Roofing and Waterproofing, Sheet Metal and Flashings, Applied Fireproofing, Doors, Frames and Hardware, Specialty Doors and Frames, Entrances, Storefronts, & Curtain Walls, Plaster and Gypsum Board Assemblies, Tiling, Ceilings, Flooring, Painting and Wall Coverings, Visual Display Units, Signage, Toilet Partitions and Accessories, Laboratory Equipment, Theater and Stage Equipment, Window Treatments, Specialty Casework, Seating, 14 20 00 - Elevators, Site Clearing and Grading, Erosion and Sedimentation Controls, Asphalt Paving, Site Concrete, Pavement Markings and Bumpers, Fences and Gates and Planting and Irrigation.**

The Project includes the demolition of numerous existing structures, infrastructure, hardscape and landscape areas. The Project also includes construction of new classroom buildings, new administration building, new gymnasium building, new auditorium, new wellness center, new lunch shelter along with associated site work, utility infrastructure, landscaping, hardscape, athletic courts and off-site improvements as needed. The Project will also include limited modernization of existing structures including programmatic access and exterior painting and finishes.

Additionally, this is a Public Works project, as defined in Labor Code section 1720, and must be performed in accordance with the requirements of Labor Code sections 1720 to 1815 and Title 8 CCR sections 16000 to 17270, which govern the payment of prevailing wage rates on public works projects. Furthermore, Pankow is affiliated with the Carpenters, Laborers and Cement Masons.

### CAHILL CONTRACTORS, LLC

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 the following TRADES ONLY:**

Special Inspections

**PARCEL O - SELECT TRADES**  
455 Fell Street, San Francisco, CA 94102

This is a CMD project with construction workforce and prevailing wage requirements.

**BID DATE: 8/1/17 @ 3PM**

**BID DOCUMENTS:**

Please contact Colby for access to documents on BuildingConnected.



# California Sub-Bid Request Ads



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

Coldmill, Trucking/Disposal AC, Asphalt Paving, Striping, Office Trailer, Temporary Fence

## **PALM SPRINGS INTERNATIONAL AIRPORT TAXIWAY J REHABILITATION PROJECT**

### **City of Palm Springs**

FAA AIP PROJECT NO.: 3-06-0181-055-2017 (Construction)

INVITATION FOR BIDS (IFB) 17-06

WSP PROJECT NO.: 12740T10

CITY OF PALM SPRINGS PROJECT NO.: 2017-06

**BID DATE July 19, 2017 @ 3:00 p.m.**

**Sub & Vendor Scopes and Bids Due Prior**

### **Sukat Construction, LLC**

4010 W. Chandler Avenue, Santa Ana, CA 92704

Contact: Matt Bahnsen

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

Plans/specs are available for viewing at our office by appointment or via ftp, 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 Construction 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.

Sukat 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.

### **Sukat Construction, LLC**

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### **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 Small Business Enterprise (SBE) & Disadvantaged Business Enterprise (DBE) subcontractors, suppliers, and truckers for the following project:

#### **GRADE CROSSINGS IMPROVEMENT PROJECT**

**CALTRAIN CONTRACT #17-J-C-044**

**Bids: 08/15/2017 @ 2 PM**

**SUBCONTRACTING GOAL - SBE - 35%**

Demolition; Earthwork; Aggregate Base Courses; Underground Ductwork & Structures; Subdrainage Systems; Station Platforms, Sidewalks, Curbs & Gutters; AC Paving; Micro Surfacing; Pavement Stripes & Markings; Welded Wire Mesh Fence; Concrete Forming/Finishing; Rebar; CIP Concrete; Metal Fabrications; Pedestrian Exit Gates & Guardrails; Joint Sealants; Detectable Warning Tactiles; Signage; Traffic Signals; Ballast & Walkway Aggregate; Timber Cross-ties & Switch Ties; Rail; Track Removal/Salvage; Track Construction; Concrete Grade Crossings; Thermo Rail Welding.

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 SBE/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 SBE/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.

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### **Mission Bay Development Group, LLC** is actively seeking General Contractors for the upcoming **Mission Bay Blocks 33-34 Public Improvements Scope 3** (Terry Francois Blvd and Mariposa St) project.

The project is subject to the Office of Community Investment and Infrastructure (OCII's) 50% SBE/LBE participation goal for construction subcontracting, suppliers and truckers with first consideration given in the following order: 1) SBEs located in the project area. 2) San Francisco-based SBEs/LBEs. 3) Non-San Francisco-based SBEs which should be used to satisfy the 50% SBE participation goal only if San Francisco-based SBEs are not available, qualified, or if their bids or fees are significantly higher.

To help satisfy the 50% SBE goal, Local Business Enterprises (LBEs) certified by the City and County of San Francisco will be recognized and count towards the overall SBE goal on this project.

To search for certified LBEs/SBEs, please use: [http://mission.sfgov.org/hrc\\_certification](http://mission.sfgov.org/hrc_certification)

The project manual and bid documents will be made available to each interested General Contractor. Please contact Cathy Serrano of Townsend Management, Inc., at (415) 355-6644 to pick up a set at the Mission Bay Office, 410 China Basin Street, San Francisco, CA 94158.

Proposed scope of work for this project includes but is not limited to demolition, storm drain, sewer, low pressure water, reclaimed water, rough and fine grading, concrete roadbase, asphalt wearing surface, concrete curb/gutter, concrete sidewalk, irrigation, landscape, and site furnishing work.

A pre-bid conference will be held at the Construction Manager's Trailer at 410 China Basin Street, San Francisco, CA on Tuesday, July 11, 2017 at 10:00 AM. MBE, WBE, LBE, and SBE subcontractors are strongly encouraged to attend.

**For additional information,**  
please contact Cathy Serrano at (415) 355-6644 or email [cathy\\_serrano@tmi-cm.com](mailto:cathy_serrano@tmi-cm.com)



### **Lendlease (US) Construction Inc.**

71 Stevenson Street, Suite 800,  
San Francisco, CA 94105

Contact: Ashley Jian

160FolsomSubcon@lendlease.com  
415-971-6732

**SBE & LBE Subcontractor & Supplier Bids Requested For:**

#### **TRANSBAY BLOCK ONE**

160 Folsom St.

San Francisco, CA 94105

**Group 1 (RFP 6/30/2017):** Final Clean, Masonry Stone, Carpeting, Painting, Cubicles & Compartments, Toilet & Bath Accessories, Wardrobe & Closet Specialties, Fire Protection Specialties, Loading Dock Equipment. **Group 2 (RFP 7/06/2017):** Masonry, Misc. Metals, Finish Carpentry, Membrane Roofing, Doors, Frames & Hardware, Glass & Glazing, Hard Tile Countertops, Exterior Porcelain Tile, Wood Flooring, Resilient Flooring, Residential Appliances, Casework Supply. **Group 3 (RFP 7/25/2017):** Demolition, Site Clearing, Site Concrete, Precast Architectural Panels, Wood Paneling, Coiling Doors & Grilles, Shades, Casework Install, Landscaping, Irrigation & Paving

#### **SBE/LBE**

#### **Pre-bid Meeting & Outreach Event**

7/11/17 @ 1:30PM

Mission Creek Park Pavilion

290 Channel St, San Francisco, CA 94158

Please contact Ashley Jiang for access to  
**BID DOCUMENTS** on Box.



# 10 construction industry trends to watch in 2017

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The next administration has the power to significantly alter regulations, taxes, labor policy and countless other aspects of business.

With Donald Trump winning the election, many firms were cautiously optimistic about his construction and development background, his promises to cut regulations and his massive infrastructure proposal. However, experts say the feeling of uncertainty hasn't disappeared — and likely won't in the months to come. That fear of the unknown could keep owners from starting or continuing new projects.

"I don't know if anybody can predict what the new administration will really do," said Gina Vitiello, construction attorney at Chamberlain Hrdlicka. "There's a sense of uncertainty among contractors. If I'm planning on a major contract and it might not go forward, that's a little scary."

Some experts are concerned about possible trade conflicts with China and other countries — which could rock the U.S. economy and raise material prices — as well as the impact of stricter immigration policies on the construction labor force.

"I worry our industry is going to be so tied to the administration, which is not a status quo administration," said Stuart Meurer, executive vice president and chief operating officer of Windover Construction. "I'm fearful of people's reaction to it. I think it'll curtail construction in 2018."

## 4. Offsite/modular construction will gain a stronger foothold in the market

Offsite construction, also called modular or pre-fab, isn't new to the industry. However, experts predict the building method will grow in 2017 as quality, time and labor concerns make alternatives to traditional construction methods more attractive.

"There's always an emphasis on condensing the construction schedule of a project and saving cost — two very important points in any development scenario," Vardaro said. "Modular has the ability to suppress schedule. If you're fabricating a module in a factory, sometimes it's easier to maintain quality control. You don't have to deal with weather."

One obstacle holding offsite back from stronger growth has been the industry's slow-to-evolve nature, but Julian Anderson, president of Rider Levett Bucknall, believes the method is starting to overcome that hurdle.

"It's one of those things that people figured out would be a good thing to do. I've seen the problem being that no one wants to be the first to do it. If I'm the first and it fails, I'm an idiot," he said. "Things change slowly in construction. Once something is embedded, then it takes off pretty quickly."

Klawans noted that the first element of modular to take off in the industry are HVAC assemblies created offsite. Those contractors are finding that off-



Surveying a construction site with a laser scanner

site methods allow them to reduce hours onsite, improve efficiency and perform more subassemblies than in the past, according to Klawans. She said that as more firms utilize offsite construction, they will see the benefits, and other companies will in turn try out the method.

## 5. Construction firms are cautiously optimistic for a future infrastructure spending boost

Infrastructure spending saw major play during the 2016 campaign, with President-elect Donald Trump proposing a \$1 trillion infrastructure plan over 10 years. Although light on details so far, the plan involves trading an 82% tax break for private equity investment in revenue-generating infrastructure projects.

That emphasis on rebuilding the nation's infrastructure shone a spotlight on the construction industry, as a lack of steady federal funding has left many contractors uncertain about when their next projects will start. With a potential \$1 trillion funding infusion, companies in that sector are optimistic about the years ahead — if Trump and Congress are able to agree on a path forward.

"When Trump says at his victory speech he wants to put \$1 trillion into infrastructure and mentions public-private partnerships, that gets everybody excited," Eliopoulos said. "His plan is short on details, so it's difficult to tell exactly what he's got in mind."

The impact of such a massive infrastructure plan goes beyond firms in the infrastructure sector, according to Meurer. "Anybody that does both might focus more on [infrastructure projects] and allow opportunities for the other projects to spread to the market," creating a boon for firms in the vertical construction business, he said.

## 6. IoT holds the potential to revolutionize the job site

The Internet of Things encapsulates several aspects of the construction tech landscape, including equipment and employee tracking, wearables, drone surveying and other information collected on the job site. As contractors and subs continue their quest to cut costs and improve efficiencies,

many are turning to IoT options to improve site operations.

Garrett Harley, director of engineering and construction strategy for Oracle, said he tends to combine the terms IoT and business intelligence. "It's the aggregation and collection going into a central repository where you can make intelligent decisions based on what you're collecting," he said. "All those decisions are just a way of moving something from a manual process to seeing that information in real-time."

Wearables, for instance, can track workers in the field and ensure that they protected from or at least aware of job site hazards and other potential injuries, and equipment sensors can monitor whether machinery is in need of repair.

Willy Schlacks, president at EquipmentShare, pointed to labor tracking as a major technology trend poised to take off in construction. "The amount of waste in labor mistakes or labor fraud is enormous in the construction industry," he said. "The adoption [of labor tracking technology] is going to be pretty quick because there's such a strong correlation to the bottom line."

Along with increased use of new technologies comes the need for interoperability. Firms still struggle to find solutions that take all of the information collected from different devices and sensors, and then translate it into quality information.

"The challenges become where you reach the point where there's this tidal wave of information," said Tony Colonna, senior vice president for innovative construction solutions at Skanska USA. "Being able to transform a lot of disconnected information into what we'll call the actionable, something that gives me context, takes data from multiple sources and turns it into data we can use."

Harley said he believes the construction industry is still in the process of embracing new technologies, with a group of progressive contractors leading the way. Companies that fail to keep up with the newest technologies risk getting left behind.



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

**CITY OF PALO ALTO – PUBLIC WORKS DEPARTMENT, AIRPORT DIVISION APRON RECONSTRUCTION PHASE 1 (BID SET A)**

**IFB Number 167808C,  
AT PALO ALTO AIRPORT, PALO ALTO, CA.  
Disadvantaged Business Enterprise Goal Assigned is 11.2%**

**OWNER:  
CITY OF PALO ALTO  
250 Hamilton Avenue, Palo Alto, CA 94301**

**BID DATE: JULY 20th, 2017 @ 3:00 P.M.**

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

**Adjust Iron, Cement Treated Base, Clearing and Grubbing/Demolition, Cold Plane, Electrical, Emulsion Supplier, Joint Seal, Minor Concrete, Minor Concrete Structure, Prime Oil Supplier, Reinforced Concrete Pipe, Jacked Reinforced Concrete Pipe, Corrugated Metal Pipe, Roadway Excavation, Striping, Survey/Staking, Underground, Class 2 Aggregate Base Material, Hot Mix Asphalt (Type A).**

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's site available through the City of Palo Alto's Purchasing and Contract Administration bid Portal: [http://www.cityofpaloalto.org/gov/depts/asd/planet\\_bids\\_how\\_to.asp](http://www.cityofpaloalto.org/gov/depts/asd/planet_bids_how_to.asp).

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/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 employer.



## Gallagher & Burk, Inc.

344 High Street • Oakland, CA 94601  
Phone: (510) 261-0466 • FAX (510) 261-0478  
Estimator: Jim Yackley  
Website: [www.gallagherandburk.com](http://www.gallagherandburk.com)

**Gallagher and Burk, Inc. is soliciting for L/SLBEs for the following project.**

**CITYWIDE PAVEMENT REHABILITATION  
PROJECT NO. C1003298  
L/SLBE GOAL: 50%**

**OWNER: CITY OF OAKLAND  
250 Frank H. Ogawa Plaza, Room #101,  
Oakland, CA 94612**

**BID DATE: JULY 13, 2017 @ 2:00 P.M.**

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

**Adjust Iron, Minor Concrete, Roadside Signs, Roadway Excavation, Slurry Seal, Striping, Survey/Staking, Traffic Control Systems, Trucking, Water Trucks, Street Sweeping, Class 2 Aggregate Base Material, Hot Mix Asphalt (Type A) Material, Hot Mix Asphalt (Type B) Material and Rubberized HMA (Gap Grade Material).**

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or 7700 College Town Drive, Sacramento, CA, or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25gallagherburk.com:f7pa55wd@pub.gallagherburk.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from the Owner's ISupplier System free of charge at <http://www2.oaklandnet.com/Government/CP/s/ContractingPurchasingOpportunities/index.htm> or from CIPList.com <http://ciplist.com/plans/?Oakland/city/9392>.

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

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

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVAILING WAGE JOB. GBI is an equal opportunity 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 Subcontractor and/or Supplier seeking to participate in the City of Fremont Warm Springs BART West Access Bridge and Plaza Project in Warm Springs, CA.

**[http://www.alamedact.org/app\\_pages/view/8080](http://www.alamedact.org/app_pages/view/8080)  
Subcontractors and Suppliers for the following project:**

**Warm Springs BART  
West Access Bridge and Plaza Project  
Owner: City of Fremont**

**Bid Date: August 1, 2017 @ 2:00 P.M.**

**Local Business Enterprises (LBEs)**

wanted for the following scopes, including, but not limited to: Aggregates, AC Paving, Bird Control Devices, Cast in Place Concrete, Precast Concrete, Minor Concrete, Concrete Pumping, Concrete Ready-mix, Concrete Reinforcement Supply & Install, Concrete Forms, Concrete Accessories, Concrete Washouts, Canopy, CIDH, CCTV, Clear & Grub, Demolition, Dewatering, Elevators & Escalators, Elastomeric Bearing Pads, Earthwork, Erosion Control, Electrical, Falsework, Fencing & Gates, Fire Alarm & Detection System, Fire Suppression, Fire-stopping, Finishes, Non-Shrink Grouting, HVAC, Hydro-seeding, Instrumentation and Controls, Joint Protection, Landscaping, Masonry, Metal Doors and Access Doors, Metals, Metal Decking, Metal Wall Panels, Modified Bitumen Roofing, Lime Treatment, Openings, Pavement Markings, Painting and Anti-Graffiti Coating, Piling, Piping, Plumbing, Quality Control, Safety Specialties, Site Furnishings, Structural Steel, Station Identification Pylons, Sheet Metal & Flashing, Shoring, Signage, Site Clearing, Street Sweeping, SWPPP, Synthetic Turf, Tilting, Thermal & Moisture Protection, Trucking & Hauling, Vibration Monitoring, Utility Structures, Waterstops, Wayfinding System, Wire-Mesh Barrier Screens and Water 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 Alameda County Transportation Commission (CTC) certified LBE/SLBE/VSLBE business suppliers and subcontractors. Assistance with obtaining necessary equipment, supplies, materials, or services for this project will be offered to interested certified suppliers and subcontractors.

**Subcontractor and Supplier Quotes  
are due NO LATER THAN July 31, 2017 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 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.

Prevailing Wages apply.

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





# California Sub-Bid Request Ads

**PROJECT: BROWNFIELD AIRPORT (SDM) 8L/26R RUNWAY REHABILITATION PH III  
CITY OF SAN DIEGO – K-17-1575-DBB-3**

**SAN DIEGO, CA**

**\*\*THIS PROJECT HAS A 26.9 % DBE GOAL\*\***

**BID DATE: JULY 11, 2017 • BID TIME: 2:00 P.M.**

**Please respond by 5:00 p.m., JULY 10, 2017**

We are seeking quotes from all small business concerns - **CERTIFIED DBE including, but not limited to, the following work items:**

BIOLOGICAL RESOURCES, HISTORICAL RESOURCES, WPCP DEVELOPMENT, WPCP IMPLEMENTATION ,VIDEO RECORDING OF EXISTING CONDITIONS, QUALIFIED SAFETY REPRESENTATIVE, MOBILIZATION, CONSTRUCTION BARRICADES, FENCING, MARKERS AND SIGNS, ASPHALT CRACK SEALING, COLD MILLING OF AC PAVEMENT, WEED CONTROL, MARKING REMOVAL, BITUMINOUS SURFACE COURSE, BITUMINOUS BASE COURSE, CONCRETE JOINT SEAL, CONCRETE SPALL REPAIR, RUNWAY AND TAXIWAY MARKINGS, EMULSIFIED ASPHALT SLURRY SEAL, REMOVE EXISTING JCAN AND CONCRETE FOUNDATION AND BACKFILL, ADJUST EXISTING EDGE LIGHT CANS TO GRADE, REPLACE EXISTING SIGN PANELS, REMOVE AND REINSTALL EXISTING LIGHT FIXTURES.

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. Subcontractors must provide contractor's license number and Department of Industrial Relations (DIR) registration number with their quote. Plans and specs are available at no cost to interested DBE'S firms from the City of San Diego Planet Bids website using the Project No. K-17-1575-DBB-3 and/or our San Diego Office. We are an EOE & seriously intend to negotiate with qualified firms.

If you have any questions, Please contact Joe Eckardt: Phone 858-536-3100, Fax 858-586-0164 or email [estimating@coffmanspecialties.com](mailto:estimating@coffmanspecialties.com).

Non-DBE'S Subs/Suppliers: Indicate 2nd tier participation offered on your quotation as it will be evaluated with your price. For any bid proposal submitted on or after March 1, 2015 and any contract for public work entered into on or after April 1, 2015, the following registration requirements apply: Every Subcontractor is required to be registered to perform public work pursuant to Section 1725.5 of the Public Contract Code. No Contractor or Subcontractor shall be qualified to bid on, be listed in a bid proposal pursuant to Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered to perform public work pursuant to Section 1725.5. No bid shall be accepted nor any subcontract entered into without proof of the Subcontractor's current registration to perform public work pursuant to Section 1725.5. If used in our Bid, Coffman Specialties requires this proof be submitted w/in 24 hours of Bid Date.



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)



11555 Dublin Boulevard  
Dublin, CA 94568-2909  
Phone: (925) 829-9220

Estimator: ALAN MCKEAN

Website: [www.desilvagates.com](http://www.desilvagates.com)

**An Equal Opportunity Employer**

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

**SOUTH MCDONNELL ROAD  
REALIGNMENT PROJECT –  
TBP NEW ROADWAY,**

**Contract No. 10515.71 TBP 0009,  
Local Business Enterprise Goal  
Assigned is 30%**

**OWNER:**

**CITY AND COUNTY OF SAN FRANCISCO  
c/o WEBCOR BUILDERS**

**San Francisco International Airport,  
676 North McDonnell Road,  
San Francisco, CA 94128**

**BID DATE: July 11, 2017 @ 2:00 P.M.**

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

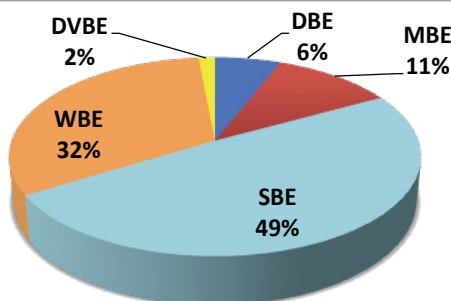
**EROSION CONTROL, SWPPP / WATER POLLUTION CONTROL PLAN, TRAFFIC CONTROL PLAN, FENCE, ELECTRICAL, STRIPING / SIGNAGE, MINOR CONCRETE, DEMOLITION / CLEARING, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL.**

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](ftp://ftp%25desilvagates.com) and password is [f7pa55wd](ftp://ftp%25desilvagates.com)) or from the Owner.

Fax your bid to (925) 803-4263 to the attention of Estimator Alan McKean. 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 LBE requirement.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVALING WAGE JOB. GGC is an equal opportunity employer.



## AUDIENCE PROFILE

**Small Business Exchange, Inc.**

**Whether You're a Small Business  
Looking for Opportunities, or a Prime or  
Agency Seeking Small Businesses**

**The Small Business Exchange  
has the resources you need to succeed.**

# 10 construction industry trends to watch in 2017

■ Continued from page 4

## 7. Construction costs will rise due to materials and labor

One of the most common concerns industry experts cited for 2017 is the escalating cost of doing business. With rising material and labor costs, firms will likely struggle to maintain their margins in the coming year.

Contractors have been expecting an impending bump in material costs after several years of relatively flat growth. The Associated Builders and Contractors called the most recent decline in material prices “the calm before the storm.”

“We’re already starting to see escalation in materials creep back in,” Meurer said. “We knew it would be coming, and we knew it would be a big factor in 2017.” He added that inflation is also a concern going forward because it could put the brakes on new projects in the coming years.

Anderson noted that construction costs continue to outpace inflation, which is a trend that he believes will “become unglued” at some point. “You can’t keep pushing up the cost of construction without having people put off construction,” he said. “The developers and builders have to keep pushing up their prices to the end user, and eventually the end user gets sick of it.”

On the labor side, the skilled-worker shortage has led to employers raising average pay higher than the national average. Experts say that increasing workforce costs — which include recruiting and wage costs for current employees — will cut into contractors’ bottom lines.

## 8. VR/AR tech will pick up steam

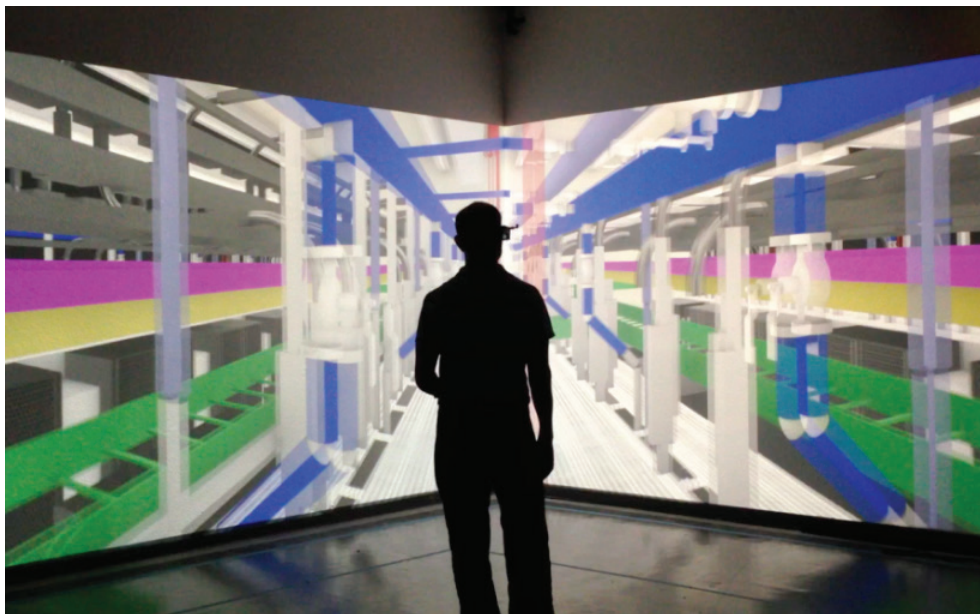
Virtual and augmented reality technology is one of the most buzzed-about trends in the construction tech space, as it can enhance collaboration among project stakeholders before building begins.

VR and AR can allow the construction team to detect errors ahead of time and avoid costly mistakes. They also have the potential to improve job site safety, such as letting managers and workers view job site conditions without subjecting them to safety hazards.

For example, researchers at the Institute for Computation in Engineering at the Ruhr-Universität Bochum in Germany are training workers on VR versions of job sites. And in September, construction giant Bechtel joined forces with Human Condition Safety to offer VR immersion safety training.

Klawans sees the potential for combining VR/AR and modeling. “There are other shiny pennies, but I think there’s a ton of value to be leveraged from VR/AR.”

Colonna said that with virtual reality, the “cool” factor is still somewhat outweighed by high implementation costs. “You can see a lot of very sophisticated presentations, but the challenge is with the software platforms today,” he said. “It’s kind of cost prohibitive to use that on a regular basis. It’s in



Virtual reality - Credit: BuiltR

more of early deployment.”

## 9. The sustainable construction movement will consider changing its message

The incoming Trump administration has implications beyond infrastructure, as sustainable building leaders are now considering the possibility of altering their messaging to ensure the movement continues.

“It’s really important not to lose the gains of the past by clinging to the way we talk about things,” said Beth Heider, chief sustainability officer at Skanska USA. “It’s really important to look at the work that we’ve done under the umbrella of sustainability and continue with that work and just recognize that there are lots of ways to articulate what we’re achieving.”

Heider said she believes the industry should put less emphasis on the climate change implications of sustainable construction and focus more on the bottom line, as resiliency and high-performing buildings can lower energy costs and create jobs.

“The new administration has probably been a wakeup call to the nation that all perspectives don’t feel as if they’re heard,” she said. “That also means you’ve got folks across the country who we aren’t communicating with. This gives us an opportunity to communicate the value of smart, high-performing buildings and infrastructure in a way that can be understood by more people.”

Both Heider and Vardaro are optimistic that sustainable construction and the green building movement will continue to make strides in 2017. Vardaro said the year ahead will bring “the next step of building green,” with more owners and tenants demanding energy-efficient features in new buildings. Sustainable construction, he said, will be more of the norm rather than the exception going forward.

## 10. Construction firms will face increased scrutiny and prosecution of safety and fraud incidents

The construction industry continues to face increased scrutiny for safety violations and incidents amid a building boom. Experts predict that 2017 will see continued heightened attention to job site safety from agencies and law enforcement.

One of the most notable cases of 2016 in the industry involved the death of 22-year-old worker Carlos Moncayo, who was killed in an excavation collapse at a New York City job site. The general contractor on the project, Harco Construction, was charged with criminally negligent homicide and manslaughter and was ordered to pay \$10,000.

Despite some claims that it is an overreach to criminally prosecute contractors for accidents like Moncayo’s, authorities have ramped up their efforts to ensure job site safety. In response to the Moncayo incident as well as other safety and corruption issues in the city’s construction industry, Manhattan District Attorney Cyrus Vance set up the Construction Fraud Task Force in 2015, which investigates safety, fraud and other legal violations.

“All firms will face greater scrutiny of accidents, including potential criminal prosecution for workplace injuries that in the past may have been treated solely as traditional accidents,” said Brian Gardner, chairman of Cole Schotz’s Construction Services Department.

Gardner added that construction companies should also expect increased attention to fraudulent practices in the years ahead, as wage and billing practices are becoming “criminally scrutinized” more often.

SOURCE: <http://www.constructiondive.com>