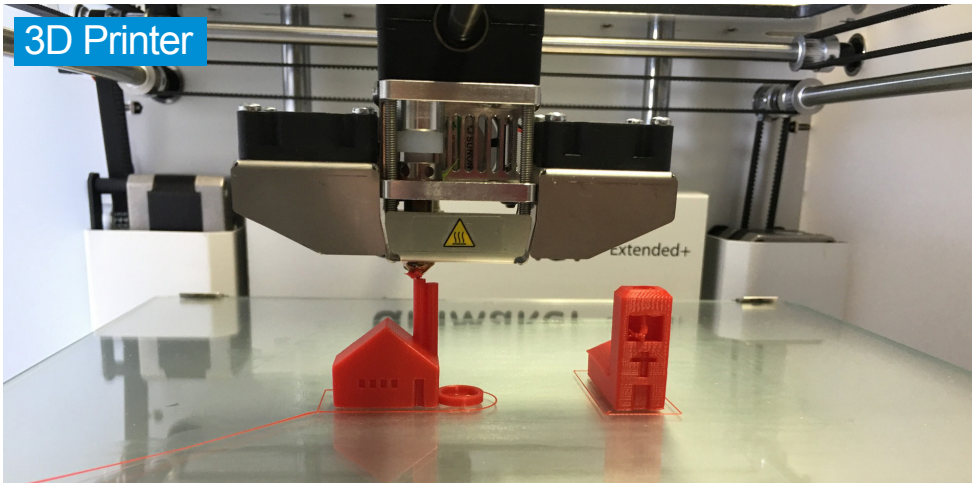


7 Interesting Tech Trends to Watch in the Construction Industry in 2020



3D Printer

Image by mebnner1 from Pixabay

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

By Christopher McFadden,

What are the current trends in the building market?

We'll expand on a few of these later in the article, but according to sites like ESUB, here are some of the most notable tech trends in the construction industry at the moment: -

- Technology Advancements and Integration.
- Green Technology in Construction.
- Increase in Modular and prefabricated Construction Projects.
- Increasing Material Cost.
- Decreased Labor Force.
- Better Safety Equipment.
- Sustainability.

What technology is used in construction?

Despite the construction industry's traditional resistance to new technologies, some are making significant strides in rounds. Notable examples include, but are not limited to: -

- Mobile Technology.
- Drones.
- Building Information Monitoring (BIM).
- Virtual Reality and Wearables.
- 3D Printing.
- Artificial Intelligence.

What construction tech trends should you watch in 2020?

So, without further ado, here are 7 tech trends you might want to watch in 2020.

1. Virtual reality (VR), augmented reality (AR) and mixed reality (MR)

These technologies are already making a huge impact on many industries around the world, and the construction industry is no exception. Buildings are becoming ever more complicated, and these technologies are helping architects and construction teams improve designs and detect design errors.

To date, architects and design teams greatly improve building design through interactive design and gesture interfacing. 2020 is set to see this technology's influence on the industry expand even further.

This could range from errors in HVAC system design or finding missing elements that have been overlooked during the design phase. AR, VR, and MR are also being utilized in the construction industry to aid: -

- 3D modeling of buildings and structures.
- Helping improve and innovate BIM visualization.
- It helps provide a permanent record of the building and allows clients to explore designs before construction.
- Helping "see through walls" for maintenance workers and service engineers.

2. 3D printing

Another tech trend to watch out for in 2020 is the role of 3D printing in the construction industry. The benefits of it have already been explored and exploited by various construction companies around the world.

The ability to either prefabricate offsite or directly on-site has obvious labor and material cost benefits over more traditional building methods. It also reduces waste and being automated is not restricted by construction worker shift patterns.

For example, today it's possible to 3D print an entire house in less than 24 hours!

"The concrete 3D printing market is expected to reach \$56.4m in 2021, and with good reason. More and more companies are starting up in the sector to create new, innovative projects. Some are more futuristic, some are very real in the present, such as Apis Cor's 3D printed house in 24 hours. 3D concrete printing is developing rapidly and relies on different technologies and materials, offering many benefits to its users. The tech is still in its infancy however and is bound by current limitations." - 3D Natives.

3. Robotics

2020 may also be the year where robotics makes a bigger impact in the construction industry. Somewhat linked to the impact of 3D printing above, robotics is also seeing impressive infiltration into the industry.

In fact, one report by the World Economic Forum predicted that 2020 could be the year of the robot in the construction industry.

From robotic bricklayers to laying roads, robots are increasingly finding their place amongst the workforce on construction sites. This is interesting as traditionally the construction industry has seen very little automation, relying largely on manual labor.

By adding robots to the workforce, construction companies are seeing improved construction times and improved quality of builds. Robots are also being used to help demolish buildings too.

While currently slower than human demolition crews, they are far safer and cheaper for bringing down concrete structures at the end of its life cycle.

Robots are also being developed to help with certain building maintenance like window cleaning.



California Sub-Bid Request Ads



An Equal Opportunity Employer
is requesting quotations from all qualified
DBE

Professional services, sub-contractors, material suppliers and trucking for the following project:

Contract No. 04-0J7104

RAISE BRIDGE AND PLACE STRUCTURAL CONCRETE

CONSTRUCTION ON STATE HIGHWAY IN SOLANO COUNTRY IN VALLEJO AT VARIOUS LOCATIONS

Bid Closing Date: February 13, 2020 @ 2:00 PM

DBE GOAL: 15%

CONTACT:

David Aboujudom
Brosamer & Wall Inc.
1777 Oakland Blvd, Suite 300
Walnut Creek, California 94596
PH: 925-932-7900 FAX: 925-279-2269

PROJECT SCOPE:

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

Brosamer & Wall Inc., is requesting quotes from all qualified subcontractors and suppliers including certified DBE firms for all items of work type, including but not limited to:

- AGGREGATE BASE AND ASPHALT PAVING
- BRIDGE REMOVAL
- CLEARING AND GRUBBING
- CONCRETE BARRIER
- CONSTRUCTION AREA SIGNS
- DEMOLITION
- DRAINAGE PIPE
- DRILL AND BOND DOWELS
- EARTHWORK/ROADWAY/
STRUCTURAL EXCAVATION
- ELECTRICAL
- EROSION CONTROL
- FENCE
- LANDSCAPING
- JOB SITE MANAGEMENT
- JOINTED PLANE CONCRETE PAVING
- LEAD COMPLIANCE PLAN
- PERMANENT STRIPING
- ROADSIDE SIGNS
- ROCK SLOPE PROTECTION
- STREET SWEEPING
- SWPPP
- TRAFFIC CONTROL

For the complete list of the Actual Project Bid Items go to:

<http://ppmoe.dot.ca.gov/des/oe/weekly-ads/oe-biditems.php?q=04-0J7104>

Requirements: Brosamer & Wall, Inc. will work with interested subcontractors/suppliers to identify opportunities to break down items into economically feasible packages to facilitate DBE Participation. Brosamer & Wall, Inc. is a union signatory contractor. Subcontractors must possess a current contractor's license, insurance coverage and worker's compensation for the entire length of the contract.

All subcontractors will be required to sign our standard Subcontract Agreement. 100% payment and performance bonds may be required. If you have any questions regarding this project or need assistance in obtaining/waiving insurance, bonding, equipment, materials and/or supplies please call or email David Aboujudom contact information below.

Plans and specifications can be viewed at our office located at 1777 Oakland Blvd Suite 300, Walnut Creek, Ca. 94596 or at no cost from Caltrans website. B&W will also make plans electronically please email daboujudom@brosamerwall.com for free online link. Brosamer & Wall INC., intends to work cooperatively with all qualified firms seeking work on this project. If you are interested in submitting a subcontractor bid for this project, you may contact David Aboujudom at 925-932-7900 or fax us your quote at 925-279-2269. PLEASE SUBMIT A COPY OF YOUR CURRENT DBE CERTIFICATION WITH YOUR BID. Subcontractors, Dealers/Suppliers and Brokers please provide your designation code to us on or before the bid date. B&W, INC., IS AN EQUAL OPPORTUNITY EMPLOYER.

Requesting Project Assistance from **DBE/MBE/WBE** and **Other Business Enterprises:**

DMZ Builders is bidding the following project as a Prime Contractor and is seeking subcontractors and vendors to assist with the project by submitting quotes for their trades or products.

Project: 34.5kV Cable Replacement and Fiber Optic Cable Installation, A-Line, ACO to AUC

Contract: 15EJ-180

Owner: San Francisco Bay Area Rapid Transit District (BART)

Bid Date: January 21, 2020 @ 2:00pm

Services Needed: Construction Survey, Construction Area Signs, Traffic Control, SWPPP, Temporary Erosion Control, Site Security, Janitorial, Trucking, Earthwork, Sitework, Drainage, Underground Utilities, Fencing, Concrete Foundations, Reinforcing, AC Paving, Electrical, Communication, Fiber Optic, Traction Power, Train Control, Trackwork, Quality Control, Testing.

Plans and specifications are available to interested firms via BART's on-line procurement portal or can be viewed at DMZ Builders Concord, CA office by contacting the DMZ office to make an appointment.

DMZ Builders is a union contractor. Subcontractors must provide their active CSLB license number and DIR registration number with their quote. Subcontractors will be required to execute DMZ Builders standard subcontract terms and conditions or purchase order agreement (for suppliers), both available for review upon request, and meet insurance requirements, including waiver of subrogation. Subcontractors, at DMZ's discretion, may be required to provide payment and performance bonds for 100% of the subcontract value. DMZ will reimburse bond premium at actual cost, not to exceed 2.0%. Project requires paying prevailing wages and submitting certified payrolls. All subcontractors must sign BART's project stabilization agreement prior to participating in the project.

For assistance in obtaining bonding, lines of credit, insurance, equipment, supplies and materials, technical assistance, or any other coordination required for the project, please contact Richard Zito by phone at (925) 826-5387, by fax at (925) 826-5766, or by e-mail at estimating@dmzbuilders.com. DMZ will work with interested subcontractors and suppliers to identify opportunities to divide the work into economically feasible packages and intends to cooperate with all qualified firms seeking work on the project.

DMZ BUILDERS

4070 Nelson Avenue, Ste A,
Concord, CA 94520
Phone 925-826-5387 • Fax: 925-826-5766

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**Publisher of
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weekly newspaper**



California Sub-Bid Request Ads



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

SUBS/SERVICE PROVIDERS

Survey, Dewatering, Earthwork & Site Prep, Paving, Fencing, Traffic Control, Formwork, Rebar, Concrete Pumping, Arch Precast Bldg, Waterproofing, Concrete Protective Liner, Painting, Cathodic Protection, Solar Photovoltaic System, Electrical, Controls and Info System, Trucking

SUPPLIERS

Aggregates, Misc Metals, CIP, Doors, Windows, Hardware, Cathodic Protection, Packaged Engine Generator System

**Napa Sanitation District
West Napa Pump Station Project**

CIP No. 17711

Located in Napa, California

BID DATE February 19, 2020 at 2:00 p.m.

All Quotes Due Prior

Sukut Construction, LLC

4010 W. Chandler Avenue, Santa Ana, CA 92704

Contact: Eric Bodyfelt

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

Plans/specs are available for viewing at our office by appointment, by Sukut FTP, or from Owner. Subcontractors must be prepared to furnish 100% performance and payment bonds and possess current insurance and workers' comp coverage. Sukut will assist qualified subcontractors in obtaining bonds, insurance, and/or lines of credit. 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.

Sukut Construction, LLC
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We are requesting bid quotations from all Subcontractors and Suppliers for the following:

**San Francisco Unified School District
Lakeshore Alternative Elementary School
Prefabricated Modular Restroom
Project #12048**

Bid Date January 27th at 2:00 pm

Please email your bid proposal at least 2 days prior to the bid date no later than 2:00 pm, thank you.

Reilly Construction, Inc
167 Delano Ave, San Francisco, CA 94112

Estimator: Brian Reilly
Tel: 415-317-3603 - email: breilly33@aol.com

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Graniterock

5225 Hellyer Avenue, Suite #220
San Jose, CA 95138

Phone (408) 574-1400 • Fax (408) 365-9548

Contact: Randy Bonino

Email: estimating@graniterock.com

**REQUESTING SUB-QUOTES FROM
QUALIFIED SBE, Small DBE, Women
Owned SBE, HUBZone SBE,
Veteran-Owned SBE, Service Disabled Veteran
Owned SBE SUBCONTRACTORS/
SUPPLIERS/TRUCKERS FOR:**

**South San Francisco Bay Shoreline Project
IFB No. W912P720B0001**

**Owner: US Army Engineer District, San Francisco
Engineers' Estimate: \$53,000,000**

BID DATE: February 13, 2020 @ 1:00 PM

Items of work include but are not limited to: Contractors Quality Control, Design Catwalk, Clearing & Grubbing, Demolition, Geotechnical Instrumentation, Geotech, Piezometers, Geogrid, Dewatering, Erosion Control, Hydroseeding, Trucking, High Performance Turf Reinforced Mat, Import Fill, Base Rock, Biologist, Survey, Settlement Monitoring, Rodent Control Chain Link Fabric, Catwalk and Temporary Sheet Pile Wall.

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

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5225 Hellyer Avenue, Suite #220, San Jose, CA 95138
Phone (408) 574-1400 • Fax (408) 365-9548

Contact: Paul Brizzolara • Email: estimating@graniterock.com

**REQUESTING SUB-QUOTES FROM QUALIFIED SBE,
SUBCONTRACTORS/SUPPLIERS/TRUCKERS FOR:**
**I-280 / Foothill Expressway Off-Ramp Improvements
Contract C19222**

**Owner: Santa Clara Valley Transportation Authority
Engineers' Estimate: \$3,200,000**

BID DATE: January 16, 2020 @ 2:00 PM

Items of work include but are not limited to: SWPPP, Construction Area Signs, Striping, PCMS, Traffic Control, Erosion Control, Sweeping, MBGR, Concrete Barrier, Minor Concrete, Hazardous Dirt Off-Haul, Clearing & Grubbing, Landscape, AC Dike, Tack, Sign Structures, Electrical, Survey and Trucking.

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

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California Sub-Bid Request Ads



O.C. Jones & Sons, Inc.

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

REQUEST FOR **SBE**
SUBCONTRACTORS AND SUPPLIERS FOR:
I-280/Foothill Expressway Off-Ramp Improvements
Contract C19222

Santa Clara Valley Transit Authority
BID DATE: January 16, 2020 @ 2:00 PM

We are soliciting quotes for (including but not limited to): Trucking, Temporary and Permanent Erosion Control Measures, Lead Compliance Plan, Progress Schedule (Critical Path Method), Develop Water Supply, Construction Area Signs, Traffic Control System, Portable Changeable Message Sign, Temporary Crash Cushions, SWPPP, Rain Event Action Plan, Storm Water Sampling, Analysis, and Annual Report, Temporary Hydraulic Mulch, Temporary Fencing, Sweeping, Treated Wood Waste, Abandon Pipeline, Clearing & Grubbing, Roadway Excavation (Type Z-2 Aerially Deposited Lead), Structure Excavation (Retaining Wall), Structure Backfill (Retaining Wall), Underground, Hydromulch, Hydroseed, Lean Concrete Base, AC Dike, Tack Coat, Cold Plane AC, CIDH Concrete Pile, Structural Concrete, Bar Reinforcing Steel, Sign Structure, Roadside Signs, Minor Concrete, Misc. Iron & Steel, Pavement Marker, Vegetation Control (Minor Concrete), Midwest Guardrail System, Transition Railing, Concrete Barrier, Striping & Marking, Electrical, Construction Staking, and Construction Materials

Donat Galicz (510-809-3498 dgalicz@ocjones.com) is the estimator on this project and he is available to provide assistance or answer questions regarding the project scope of work including bid requirements, break out of bid items, plan or spec interpretation, bonding or insurance requirements, and other bid assistance. Plans and specs are available to review at our Berkeley office, on the VTA's website or can be sent out via Building Connected. PDF format quotes should be emailed to the estimator or faxed to 510-526-0990 prior to noon on the date of the bid. Quotes from SBE Subcontractors, Suppliers and Truckers are highly encouraged. OCJ is willing to breakout any portion of work to encourage SBE participation. Subcontractors must possess a current DIR, Contractors License, and insurance and workers compensation coverage including waiver of subrogation. OCJ may require Performance and Payment bonds on subcontracts. OCJ will pay the bond premium up to 2% of the contract value. All subcontractors are required to execute OC Jones' standard subcontract agreement, comply with all insurance requirements, and name OCJ as additional insured. Copies of our agreement and insurance requirements are available upon request. OCJ is a Union contractor, and we are signatory to the Operating Engineers, Laborers, Teamsters, and Carpenters. OCJ is an Equal Opportunity Employer.



O.C. Jones & Sons, Inc.

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

REQUEST FOR **DBE**
SUBCONTRACTORS AND SUPPLIERS FOR:

Roadway excavation, place RHMA and HMA (Type A)
Hwy 29 Lake County
Caltrans #01-0E7304

BID DATE: January 22, 2020 @ 2:00 PM

We are soliciting quotes for (including but not limited to): Trucking, Temporary and Permanent Erosion Control Measures, Lead Compliance Plan, Progress Schedule (Critical Path Method), Construction Area Signs, Traffic Control System, Portable Radar Speed Feedback Sign, Portable Changeable Message Sign, SWPPP, Sweeping, Treated Wood Waste, Biologist, Invasive Species Control, Temporary High-Visibility Fence, Clearing & Grubbing, Subgrade Enhancement Geotextile Class B2, Hydroseed, Compost, Geosynthetic Pavement Interlayer (Paving Fabric), AC Dike, Tack Coat, Cold Plane AC, Rail Element Wall, Structural Concrete, Bar Reinforcing Steel, Underground, Rock Slope Protection, Misc. Iron & Steel, Delineator, Pavement Marker, Roadside Signs, Midwest Guardrail System, Vegetation Control (Minor Concrete), Cable Railing, Striping & Marking, Rumble Strip, Precast RCB/Inlets, Modify Flashing Beacon Systems, and Construction Materials

Jean Sicard (510-809-3411 jsicard@ocjones.com) is the estimator on this project and he is available to provide assistance or answer questions regarding the project scope of work including bid requirements, break out of bid items, plan or spec interpretation, bonding or insurance requirements, and other bid assistance. Plans and specs are available to review at our Berkeley office, or can be sent out via Building Connected. Plans are also available under the Advertised Projects tab at the Caltrans website at: <http://ppmoe.dot.ca.gov/des/oe/contract-awards-services.html>. PDF format quotes should be emailed to the estimator or faxed to 510-526-0990 prior to noon on the date of the bid. Quotes from DBE Subcontractors, Suppliers and Truckers are highly encouraged. OCJ is willing to breakout any portion of work to encourage DBE participation. Subcontractors must possess a current DIR, Contractors License, and insurance and workers compensation coverage including waiver of subrogation. OCJ may require Performance and Payment bonds on subcontracts. OCJ will pay the bond premium up to 2% of the contract value. All subcontractors are required to execute OC Jones' standard subcontract agreement, comply with all insurance requirements, and name OCJ as additional insured. Copies of our agreement and insurance requirements are available upon request. OCJ is a Union contractor, and we are signatory to the Operating Engineers, Laborers, Teamsters, and Carpenters. OCJ is an Equal Opportunity Employer.



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

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

**I-280/FOOTHILL EXPRESSWAY
OFF-RAMP IMPROVEMENTS**
CONTRACT C19222 • SBE Goal is 11.16%

OWNER:
SANTA CLARA VALLEY
TRANSPORTATION AUTHORITY,
1333 NORTH FIRST STREET, SAN JOSE, CA 95134

BID DATE: JANUARY 8TH, 2020 @ 3:00 P.M.

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

AC DIKE, ADL BURIAL LOCATION REPORT, COLD PLANE, CONCRETE BARRIER, CONSTRUCTION AREA SIGN, CONSTRUCTION SITE MANAGEMENT, CPM SCHEDULING CONSULTANT, ELECTRICAL, EROSION CONTROL, HAZARDOUS MATERIAL, K-RAIL SUPPLIER, LANDSCAPING, LEAD COMPLIANCE PLAN, MBGR, MINOR CONCRETE, MINOR CONCRETE STRUCTURE, ROADSIDE SIGNS, ROADWAY EXCAVATION, SAWCUTTING, SHORING, SIGN STRUCTURE, STRUCTURAL BACKFILL STRUCTURAL EXCAVATION, SURVEY/STAKING, SWPPP PREP/WATER POLLUTION CONTROL PLAN PREPARE, TESTING, TRAFFIC CONTROL SYSTEMS, TRAFFIC CONTROL MATERIALS SUPPLIER, TREE REMOVAL/TRIMMING, UNDERGROUND, VEGETATION CONTROL, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL, CLASS 4 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 VTA's Website at <https://www.vta.org/solicitations>.

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

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

Looking for Subcontractors, Vendors, and Suppliers?

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New Year, New Business

By *Allen Gutierrez*,

Is 2020 the year to make your dream of owning a small business a reality?

With the start of a new year and a new decade, there's optimism in the air – and you may be thinking it's the year you'll get your small business off the ground. Perhaps you're considering turning your hobby or side hustle into a full-time job, or maybe you've simply always aspired to be an entrepreneur.

Whatever your inspiration, with small business optimism on the rise, this year may be the time to act and the U.S. Small Business Administration (SBA) stands ready to help you get started.

As you're starting up your small business, consider these key initial steps:

Conduct market research. Do your due diligence to make sure that your business idea is viable in the market you're planning to target. Some considerations include whether similar businesses are already rooted in the community where you'll be based and whether enough demand exists. Conducting a competitive analysis will help you get

a better sense of whether your business idea is likely to take off in a given market.

Write your business plan. A well-executed business plan will help you set and track goals while convincing investors and lenders that your business is destined for success. Whether you thrive on detail or just want to get the basics down on paper, multiple business planning formats and templates exist. Learn more in the SBA's online, self-paced *How to Write a Business Plan* course.

Find funding. Once you know how much funding you'll need to get your business off the ground, consider what funding type makes most sense for your business based on terms, rates and risks. There are a wide range of options including self-funding, venture capital, crowdfunding, small business loans and more. Do you need an SBA-backed loan? Use the SBA's Lender Match tool to connect with approved lenders.

Pick your business location. When contemplating a location for your business, take into account the costs, benefits and restrictions associated with different states, counties and jurisdictions. Standard salaries, minimum wage laws, property values,

rental rates, business insurance rates, utilities, and government licenses and fees are just a few costs that vary by location.

Choose a business structure. Your business's legal structure will impact your business registration requirements, tax rates and personal liability. Read up on common business structures, from sole proprietorships to LLCs and more.

Additional Resources

Now that you've reviewed these initial steps, check out our comprehensive 10-step guide to starting your own business. For help implementing these steps, and for expert guidance throughout your journey, turn to local SBA Resource Partners, including SCORE, Small Business Development Centers, Women's Business Centers and Veterans Business Outreach Centers.

If you've been dreaming of becoming your own boss, 2020 is a good year to start. Let the SBA help guide you on your path to entrepreneurship. Learn more about how we can help at every business stage at [sba.gov](https://www.sba.gov).

SOURCE: <https://www.sba.gov>

7 Interesting Tech Trends to Watch in the Construction Industry in 2020

Continued from page 1

4. Sustainability

For several decades now, building regulations have been placing more and more burden on building design to reduce their environmental impact and sustainability. This is a trend that will only become more strict heading into 2020 and beyond.

Optimized energy efficiency and a drive for low to zero carbon emissions have driven innovation in building construction and service design for years. In response, new, better thermal performance materials are being developed that promise to make the buildings of the future incredibly well insulated for a fraction of the cost of current solutions.

One example from a few years ago was the development of a concrete roof that can generate and store energy. Innovations like this should make buildings of the future cheaper to live in and reduce their impact on the environment.

Reducing waste or recycling old materials is another area where sustainability is helping drive innovation in the construction industry. For example, last year one architecture firm announced its plans for a new method of recycling construction waste into ton new reusable building materials.

It will be interesting to see what new innovations will be realized in 2020.

5. Modular and Prefabricated Construction

Modular and prefabricated solutions are nothing new to the construction industry. For example, the

end of the Second World War saw something of a 'Cambrian Explosion' in prefab design in war-torn cities across the UK.

While it has fallen out of favor over the last few decades, prefabs have been making something of a comeback in recent years. The promise of faster on-site assembly and higher quality, standardized builds are seen by some as the solution to tackle perceived housing crises around the world.

"Advances in high-tech design and construction mean increasing numbers of components can be manufactured off-site. That means buildings can go up more quickly and quietly, with fewer materials wasted – an enticing prospect given London's housing crisis.

To accommodate modular house-building, developers are building their own factories, and architects are getting ever more ambitious in their designs. Here are five of our favorite London modular housing designs." - The Spaces.

6. Exoskeletons

Another tech trend to watch in 2020 is the use of exoskeletons. The potential benefits this can afford to a construction site's workforce are obvious.

Laborers can carry more load than their fragile human bodies would normally be able to cope with, and if it is widely adopted, it would largely increase the safety of construction sites. For construction companies, this will dramatically improve their bottom line by reducing the number of laborers needed on-site as well as reduce lost man-hours from injury.

"ABI Research predicts the robotic exoskeleton market alone will reach \$1.8 billion in 2025, up from \$68 million in 2014. This year, about 6,000 suits will be sold, mainly for rehabilitation. By 2025, ABI expects to see about 2.6 million on the market." - Constructible.

But they may ultimately lose out to robots and 3D printing alternatives as exoskeletons still rely on a human operator at their heart. That being said, they might offer the perfect compromise between labor unions who will inevitably try to protect their member's jobs from becoming obsolete.

But they are yet to significantly infiltrate the industry. Perhaps 2020 will be the year they make it?

Time will tell.

7. Building information modeling

Building Information Modelling, or BIM for short, is a process of creating and managing information on a construction project from cradle to grave. This intelligent 3D model-based process has already seen wide adoption by architects, engineers, and other construction professionals.

In fact, many local authorities have made BIM the standard for many of its construction project needs. BIM allows stakeholders and suppliers to more efficiently plan, design construct and manage a building and its infrastructure.

As other technologies already mentioned, like AR, and VR, become more popular, their integration with BIM will become ever more important. This is unlikely to slow down in 2020 and beyond.

SOURCE: interestingengineering.com



California Sub-Bid Request Ads

DESILVA GATES CONSTRUCTION

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

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

**HESPERIAN BLVD. CORRIDOR IMPROVEMENT
PROJECT FROM EMBERS WAY TO
WEST A STREET, SAN LORENZO AREA,
ALAMEDA COUNTY**
Specification No. 2385
MBE Goal - 15% WBE Goal 5%

**OWNER:
COUNTY OF ALAMEDA**

951 Turner Court, Room 300, Hayward, CA 94545
NEW BID DATE: FEBRUARY 4TH, 2020 @ 2:00 P.M.

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

**ADJUST IRON, CLEARING AND GRUBBING/
DEMOLITION, CONSTRUCTION AREA SIGNS,
ELECTRICAL, FENCING, HAZARDOUS MATERIAL,
LANDSCAPING/IRRIGATION, MINOR CONCRETE,
MINOR CONCRETE STRUCTURE, PAVING
STONE, ROADSIDE SIGNS, STRIPING, SURVEY/
STAKING, SWPPP PREP/WATER POLLUTION
CONTROL PLAN PREP, TEMPORARY EROSION
CONTROL, TRAFFIC CONTROL SYSTEM, UNDERGROUND,
TRUCKING, WATER TRUCKS, STREET
SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL,
HOT MIX ASPHALT (TYPE A) MATERIAL.**

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or 7700 College Town Drive, Sacramento, CA, or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is <ftp://ftp%25desilvagates.com> and password is [f7pa55wd](ftp://ftp%25desilvagates.com)) or from the Owner's Service site at QuestCDN, Quest Project No. 6598278, info@questcdm.com (925) 233-1632.

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

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

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

DESILVA GATES CONSTRUCTION

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

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

**ANNUAL STREET MAINTENANCE
PROJECT 18-XX
WINCHESTER BOULEVARD STREET
RESURFACING**
DBE Goal 16%

**OWNER:
CITY OF CAMPBELL**

70 N. First Street, Campbell, CA 95008

NEW BID DATE: JANUARY 14, 2020 @ 3:00 P.M.

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

**ADJUST IRON, COLD PLANE, CONSTRUCTION
AREA SIGNS, ELECTRICAL, EMULSION SUPPLIER,
EROSION CONTROL, MINOR CONCRETE,
ROADSIDE SIGNS, STRIPING, TESTING, TRAFFIC
CONTROL SYSTEM, TRUCKING, WATER TRUCKS,
STREET SWEEPING, HOT MIX ASPHALT (TYPE A)
MATERIAL, RUBBERIZED HMA (GAP GRADE) MATERIAL.**

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or 7700 College Town Drive, Sacramento, CA, or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is <ftp://ftp%25desilvagates.com> and password is [f7pa55wd](ftp://ftp%25desilvagates.com)) or from the Owner's Service site at QuestCDN, Quest Project No. 6598278, info@questcdm.com (925) 233-1632.

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

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

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

DESILVA GATES CONSTRUCTION

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

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

**SOUTHGATE ROAD REALIGNMENT -
CONSTRUCTION ON STATE HIGHWAY IN THE CITY
AND COUNTY OF SAN FRANCISCO ON YERBA
BUENA ISLAND FROM THE YERBA BUENA
TUNNEL TO 0.2 MILE EAST OF THE
YERBA BUENA TUNNEL**
SFCTA Contract No. 9/20-01,
Caltrans EA 04-3A6414
Project ID 0419000153,

Federal Aid Project No. BRLS-6272(047)
Disadvantaged Business Enterprise Goal
Assigned is 16%

**OWNER:
SAN FRANCISCO COUNTY
TRANSPORTATION AUTHORITY**
1455 Market Street, San Francisco, CA 94103

BID DATE: JANUARY 14, 2020 @ 1:00 P.M.

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

DESILVA GATES CONSTRUCTION
Estimator: Victor Le

Phone: 925-829-9220 • Fax: 925-803-4263

**CLEARING AND GRUBBING/DEMOLITION, COLD PLANE,
CONCRETE BARRIER (TYPE 60), CONSTRUCTION AREA
SIGNS, ELECTRICAL, EROSION CONTROL, FENCING,
JOINT TRENCH, LANDSCAPING, LEAD COMPLIANCE
PLAN, METAL BEAM GUARDRAIL, MINOR CONCRETE,
MINOR CONCRETE STRUCTURE, PCC PAVING, ROADSIDE
SIGNS, SIGN STRUCTURE, STRIPING, SWPPP/WATER
POLLUTION CONTROL PLAN PREPARATION, TEMPORARY
EROSION CONTROL, UNDERGROUND, TRUCKING, WATER
TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE
MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL.**

MYERS & SONS CONSTRUCTION
Estimator: Mike Lewis

Phone: 916-283-9950 • Fax: 916-614-9520

**BRIDGE DECK RESURFACING, BRIDGE, SOLDIER PILE WALL,
GROUND ANCHOR WALL, LEAN CONCRETE BACKFILL,
STRUCTURAL CONCRETE SLAB, LIGHTWEIGHT CONCRETE,
BAR REINFORCING STEEL, POLYESTER CONCRETE OVERLAY,
RAILING, CONCRETE BARRIER.**

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or 7700 College Town Drive, Sacramento, CA, or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is <ftp://ftp%25desilvagates.com> and password is [f7pa55wd](ftp://ftp%25desilvagates.com)) or from the Owner's site at <http://www.bidexpress.com/>

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

If you need DBE support services and assistance in obtaining bonding, lines of credit, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 829-9220, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center (www.transportation.gov/osdbu/SBTRCs). DeSilva Gates - Myers JV 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. DeSilva Gates - Myers JV is an Equal Opportunity/Affirmative Action Employer.

The Construction Industry Must Stand Up For Its Hispanic Employees

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

By Don Magruder,

Hispanic workers are the backbone of the construction and supply industry. According to the U.S. Department of Labor, Hispanics make up 27.3% of jobs in the construction industry and 16.1% of the jobs in the wholesale and retail industry. In this time of severe labor shortage, dependence on Hispanic workers is especially critical.

According to the Labor Department, there are 16.1 million Hispanics currently employed in the American workforce. A recent Pew Research study shows there are approximately 8 million undocumented immigrant workers in the country, with 5.8 million, or 52%, coming from Mexico. In the prism of all the heated political rhetoric over the last year, there are two facts that everyone must understand. First, the vast majority of Hispanic workers in the United States are hard-working, patriotic Americans. Second, construction and related industries rely heavily on Hispanic labor.

What is most troubling about the vitriolic immigration debate is that the knife cuts both ways. Illegal immigration must be resolved, but I'm concerned that the word "solidarity" will become

popular if this issue isn't resolved properly. You'll recall that Solidarity was the trade union and social movement that helped end Soviet repression of Poland in the 1980s. If the U.S. government begins a heavy-handed approach of deportation of Hispanic families, there is little doubt there will be backlash from the millions of Hispanic workers here legally. American construction, agriculture, hospitality, and other industries need the Hispanic workforce as badly as that workforce needs the jobs.

I am reminded of a name from the past: Cesar Chavez. Chavez was an American Hispanic leader who co-founded the National Farm Workers of America. During the 1960s and 1970s, there was a huge anti-immigration movement and many farmers treated workers horribly. Chavez organized field workers, led strikes and boycotts, and is credited for forcing farmers and companies to treat workers humanely. Could another charismatic Hispanic leader emerge to counter the current rhetoric? Absolutely, but this time, he or she would have the backing of the second-largest and fastest-growing minority group in America.

With the high percentage of Hispanics in the supply chain workforce, most companies are affected by this issue whether they like it or not. I shudder to think what would occur if hardline immigration

policies forced Hispanic workers to call for Solidarity-style strikes in construction, agriculture, and hospitality. It would cripple the economy and grind everything to a halt. It is imperative that all executives in related industry groups push for immigration reform that will bind the country, not tear it apart.

Many executives are vocal about the results of the election, but you must understand that the Hispanic workers you count on every day have a different perspective. In fact, many are afraid, as someone they love or trust is undocumented. Your Hispanic workers will feel solidarity to those affected by new immigration laws.

Understanding that all employees are important, company leaders should take stances that protect the interests of those employees. Executives should reach out to them to calm fears and demonstrate that their company will do the right thing. Many construction-related firms that are innocent bystanders in this controversy could get tangled up in the spokes of something much bigger. Now is the time to stand up for your Hispanic employees.

SOURCE:

https://www.prosalesmagazine.com/business/management-leadership/the-construction-industry-must-stand-up-for-its-hispanic-employees_0

The SBA Can Help You Reach Your Small Business Milestones

By Allen Gutierrez,

If you're a small business owner just starting out or you've been in business for a while, you're likely wearing multiple hats which make it easy to miss your successes along your journey as an entrepreneur. Those milestones give you perspective, and often a sense of accomplishment. They allow you to see just how far you've come, so it's important to celebrate them.

From hiring your first employee and the first month you made a profit, to securing that first loan and opening a second location, these are all important milestones. In the future, those milestones will also help you gauge the impact you've made – whether on an individual, in your community or globally.

The SBA has resources to help you achieve that next milestone. Our nationwide network of Resource Partners provide entrepreneurs (both new and existing) with free business mentoring, counseling and planning assistance, as well as insight and guidance with special areas of focus, such as disaster preparedness and recovery, veterans' business assistance, green business technology, technology transfer and regulatory compliance.

With more than 1,000 combined locations throughout the nation, including Guam, Puerto Rico, Amer-

ican Samoa, and the U.S. Virgin Islands, our Resource Partner network is unparalleled in their reach of professional business mentoring and counseling.

Under the direction of the SBA's Office of Entrepreneurial Development, more than one million small business owners receive business counseling and assistance each year through one or more of the SBA's counseling and training programs including the Small Business Development Centers (SBDCs), Women's Business Centers (WBCs), and the national SCORE mentoring program.

There were 1.4 million entrepreneurs and small business owners who were counseled or trained. These numbers speak for themselves.

- Small Business Development Centers counseled and trained over 430,000 clients.
- Women's Business Centers provided assistance to nearly 150,000 clients.
- SCORE counseled and trained more than 645,000 clients.
- SBA's Learning Center provided online training to more than 200,000 entrepreneurs.

Our resource partners have made many great contributions to the growth and sustainability of Amer-

ica's small businesses through one-on-one mentoring, consulting and training to help small businesses compete in the global marketplace.

In addition, SBA's Emerging Leaders Initiative expanded to four additional locations in 2017, offering intensive executive training in 57 areas across the country this year alone. The Emerging Leaders Initiative trains executives of small businesses poised for growth in emerging markets.

We can help you connect with your nearest SBA District Office, SBDC, SCORE chapter or WBC. Go to the SBA's Local Assistance map to get started. Here you can find useful counseling, training and mentoring from any of these resource partners for starting, growing and managing your small business.

About the author:

Allen Gutierrez
Associate Administrator

As Associate Administrator of the Office of Entrepreneurial Development, Allen Gutierrez is dedicated to enhancing the nationwide network of offices, business executives, and mentors that support current and aspiring business owners as they start, grow, and compete in today's global market.

SOURCE: www.sba.gov



California Sub-Bid Request Ads



Kiewit

Kiewit Infrastructure West Co.

4650 Business Center Drive Fairfield, CA 94534
Attn: Victor Molina • norcal.bids@kiewit.com
Fax: 707-439-7301

Requests quotes/bids from qualified Subcontractor, Service Providers, Consultants, and/or Suppliers seeking to participate in the East Bay Municipal Utility District, Orinda WTP Maintenance and Scouring Air System Upgrade Project in Orinda, CA.

<http://www.dgs.ca.gov>

http://www.dot.ca.gov/hq/bep/find_certified.htm

<http://www.acgov.org/auditor/sleb>

<http://sf-hrc.org>

<http://www.portoakland.com/srd>

Subcontractors and Suppliers
for the following project:

**Orinda WTP Maintenance and
Scouring Air System Upgrade Project
Specification No. 2143**

Owner: East Bay Municipal Utility District

Bid Date: January 29, 2020 @ 1:30 P.M.

Disadvantaged Business Enterprises (DBEs)

Minority Business Enterprise (MBE), Women Business Enterprise (WBE), Small Business Enterprise (SBE), Disabled Veteran Business Enterprise (DVBE) and all other small/local business enterprises wanted for the following scopes, including, but not limited to:

Aggregates, AC Paving, Blasting, Concrete Supply, Concrete Pumping, Concrete Reinforcement Supply & Install, Concrete Forming & Accessories, Concrete Paving, Cast in Place Concrete, Precast Concrete, CIDH, Demolition, Drilled Concrete Anchors & Dowels, Drilled Micropiles, Equipment, Electrical, Erosion Control, Fencing & Gates, Hoists & Cranes, HVAC, Hydroseeding, Instrumentation & Controls, Joint Sealants, Tunnel Grouting, Masonry, Metals, Openings, Painting & Coatings, Piping & Valves, Pumps, Propane Storage Tanks, Retaining Walls, Roof Decking, Sheet Metal, Signage, Structural Steel, Steel Doors & Frames, Shotcrete, Shoring, Slope Protection, Street Sweeping, Survey & Tunnel Stationing, SWPPP, Tunnel Invert Paving, Thermal & Moisture Protection, Trucking & Hauling, Utility Boring, Water Truck and Welding.

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, DVBE and all other small/local business enterprise 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 Scopes are due January 24, 2020 and Quotes
NO LATER THAN January 28, 2020 at 5 P.M.**

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, Plans and Specifications.

Contract Equity Program applies.

Performance and Payment Bonds may be required for Subcontractors and Supply Bonds for Suppliers on this project.

CA Lic. 433176

DIR #: 1000001147

An Equal Opportunity Employer



Kiewit

Kiewit Infrastructure West Co.

4650 Business Center Drive Fairfield, CA 94534
Attn: Victor Molina • norcal.bids@kiewit.com
Fax: 707-439-7301

Requests bids from certified San Francisco Contract Monitoring Division (CMD) Small and Micro-LBEs, CUCP DBE's and Small Business Enterprises (SBEs) Subcontractors, Consultants, and/or Suppliers seeking to participate in the SFPUC, Mountain Tunnel Improvements Project in Tuolumne and Mariposa Counties, CA.

<http://www.sfgov.org/cmd>

<http://www.epa.gov>

<http://www.sba.gov>

www.californiaucp.org

Subcontractors and Suppliers for the following project:

Mountain Tunnel Improvements Project

Contract No. HH-1000

Owner: San Francisco Public Utilities Commission

Bid Date: January 16, 2020 @ 2:00 P.M.

SF Small/Micro Local Business Enterprises (LBEs) / Disadvantaged Business Enterprises (DBEs)

Minority Business Enterprises (MBE), Women Business Enterprises (WBE), Small Business Enterprises (SBE), Small Businesses in a Rural Area (SBRA), Labor Surplus Area Firms (LSAF), or Historically Underutilized Business (HUB) Zone Businesses wanted for the following scopes, including, but not limited to:

Aggregates, AC Paving, Blasting, Concrete Supply, Concrete Pumping, Concrete Reinforcement Supply & Install, Concrete Forming & Accessories, Concrete Paving, Cast in Place Concrete, Precast Concrete, CIDH, Demolition, Drilled Concrete Anchors & Dowels, Drilled Micropiles, Equipment, Electrical, Erosion Control, Fencing & Gates, Hoists & Cranes, HVAC, Hydroseeding, Instrumentation & Controls, Joint Sealants, Tunnel Grouting, Masonry, Metals, Openings, Painting & Coatings, Piping & Valves, Pumps, Propane Storage Tanks, Retaining Walls, Roof Decking, Sheet Metal, Signage, Structural Steel, Steel Doors & Frames, Shotcrete, Shoring, Slope Protection, Street Sweeping, Survey & Tunnel Stationing, SWPPP, Tunnel Invert Paving, Thermal & Moisture Protection, Trucking & Hauling, Utility Boring, Water Truck and Welding.

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 SF CMD certified, Small/Micro SB LBE and CUCP, MBE, SBE, SBRA, LSAF OR HUB certified DBE suppliers and subcontractors. Please visit SFPUC website: <http://sfgov.org/cmd/surety-bond-assistance-program-1> for their Bond Assistance Program. Assistance with obtaining necessary equipment, supplies, materials, or services for this project will be offered to interested certified suppliers and subcontractors.

**Subcontractor and Supplier Scopes are due January 10, 2020 and
Quotes NO LATER THAN January 15, 2020 at 5 P.M.**

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 SmartBidNet to complete the SFPUC Confidentiality Agreement, register your company and 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 supplier bond for suppliers, where applicable.

Drinking Water State Revolving Fund (DWSRF) Provisions apply

Project Labor Agreement applies

Davis Bacon Act applies

An Equal Opportunity Employer

CA Lic. 433176

DIR# 1000001147

Proven Management, Inc.

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

PMI requests proposals/quotes from all qualified and certified Minority Business Enterprise (MBE) Women Business Enterprise (WBE) subcontractors, suppliers, and truckers for the following project:

OAKLAND SHOPS GEOMETRY VEHICLE STORAGE & SPUR TRACK • BART CONTRACT NO. 15CQ-120

Bids: 2/18/2020 @ 2pm • MBE GOAL - 20.3% WBE GOAL - 14.1%

The work in this contract includes but is not limited to: Demo; Portland Cement Concrete; Prestressed Conc.; Conc. Forming; Falsework; Waterstops; Conc. Reinforcing; CIP Conc.; Conc. Finishing; Mtl Welding; Strl Steel Framing; Mtl Fab; Mtl Stairs/Railings; Rgh Carp; Building Insulation; Sheet Mtl Roofing; Joint Protection; Expansion Control; Mtl Doors & Frames; Overhead Coiling Doors; Door Hdwr; Louvers; Paint; Graffiti Coatings; Safety Specialties; Prefabricated Mtl Bldg; Facility Services; Plumbing & HVAC; Pipe Sleeves, Supports & Anchors; Raceways / Motors for Facility Services; Water Distribution; Sanitary Sewerage; Storm Drainage; Sump Pumps; HVAC Piping & Equipment; Ducts & Casings; Electrical; Low Voltage Wires & Cables; Cabinets & Enclosures; Switchboards; Lighting; Communications; Electronic Safety & Security; Fire Detection & Alarm System; CCTV; Earthwork; Clearing & Grubbing; Dewatering; Exterior Improvements; Aggregate Subbase/ Base/ Drainage Layer; Asphalt / Conc. Paving; Traffic Barriers; Chain Link Fences & Gates; Utilities

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 MBE/WBE certified suppliers & subcontractors.

Assistance with obtaining necessary equipment, supplies, materials, or related assistance or services for this project will also be offered to interested MBE/WBE 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



California Sub-Bid Request Ads



10704 Shoemaker Ave., Santa Fe Springs, CA 90670
 Tel: (562) 567-2549 • Fax: (562) 946-3823
 Lead Estimator: Art Patamalai • Email: Art.Patamalai@kiewit.com

Owner: Inland Empire Utilities Agency
Project Name: Regional Water Recycling Plant No. 5 (RP-5) Liquids Treatment Expansion to 22.5 MGD and Solids Treatment Facility
Project Nos. EN19001 & EN19006
Location: Inland Empire Utility Agency's Regional Plant No. 5, east of and adjacent to IEUA's headquarters at 6075 Kimball Avenue, Chino, CA 91708
Bid Date: February 20, 2020 at 2:00 p.m.

Request for DBE sub-quotes

Kiewit Infrastructure West Co. ("Kiewit") is seeking quotes from qualified Disadvantaged Business Enterprises (DBE), including Minority Business Enterprises (MBE), Woman Business Enterprises (WBE), Small Business Enterprises (SBE), Small Business in Rural Area (SBRA), Labor Surplus Area Firms (LSAF), Historically Underutilized Business (HUB) Zone Small Businesses and all other business enterprises to perform as subcontractors, material contractors, and suppliers. DBEs must provide evidence of certification by the U.S. Environmental Protection Agency (US EPA), the Small Business Administration (SBA), the CA DOT DBE Certification Program (CUCP), Tribal, State, and Local Governments, or Independent Private Organization Certifications.

The **Regional Water Recycling Plant No. 5 (RP-5)** project involves the construction of the upgrade and expansion of the Agency's existing RP-5 plant from a conventional activated sludge wastewater treatment plant to a 22.5 MGD water recycling treatment plant as shown and specified and with the capability of being further expanded to 30 MGD in the future. The major items of WORK to be performed are categorized into the liquids treatment processes, solids treatment processes, common facilities, and off-site facilities, as further described.

Kiewit is requesting quotes for various areas of work including but not limited to: Dewatering, micro tunneling, asphalt paving, curbs and gutter, fences/gates/guardrails, landscaping contractors, concrete reinforcing installation, concrete pumping, concrete drilling and saw-cutting, concrete rehabilitation, masonry work, welding services, metal deck, damp proofing and waterproofing, membrane roofing, joint sealer, metal doors and frames, overhead doors, plaster and gypsum board, painting and coating and electrical work.

Firms interested in providing a sub-quote for this project must contact Kiewit and responding firms will be issued an "Invitation to Bid" through Kiewit's electronic use of SmartBid system (at no cost to bidder) with project information and bid instructions. Plans and specifications are also available for review at Kiewit's office.

This is a public works project and is subject to state prevailing wage rates. The Project is financed in part by the Clean Water State Revolving Fund (CWSRF) and the Water Infrastructure Finance and Innovation Act ("WIFIA") administered by the EPA and is therefore subject to the American Iron and Steel ("AIS") Provisions, DBE Program requirements and the Davis-Bacon Related Acts.

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. Kiewit is signatory to collective bargaining agreements with the carpenters, laborers, cement masons, ironworkers, operating engineers and teamsters. Kiewit will consider quotes from any and all bidders who demonstrate an ability to foster and maintain labor harmony on the Project.

Kiewit intends to conduct itself in good faith with all DBEs regarding participation on this project. For further information regarding this project, insurance, bonding, related assistance with equipment, supplies, and materials, or the project schedule, please contact our Lead Estimator.

Kiewit Infrastructure West Co. 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.

WESTERN WATER (WW), is seeking quotes from qualified subcontractors and suppliers, including but not limited to certified **Disadvantaged Business Enterprise (DBE)** firms, for the construction of:

Del Oro Water Company, River Island District Territory #1 - Water Treatment Plant
Engineer's Estimate: \$4,060,466
Bid Date & Time: January 31, 2020 at 2:00 P.M.
Project Location: Porterville, CA

WW has identified the following potential contracting opportunities for qualified subcontractors and suppliers on this project: **Earthwork, Paving, Underground Pipe, Fencing, Concrete, Painting, Metal Buildings, Overhead Doors, Bolted Steel Tanks, HVAC, & Electrical.**

Information regarding bonding, insurance, lines of credit, and any technical assistance or information related to the plans or specifications and requirements for the work will be made available to all interested firms. Plans and specs are available to view at our office and access to digital copies will be provided upon request.

For more information or to provide quotes, please contact:
Western Water, 707 Aviation Blvd, Santa Rosa, CA
Ken Leef, Project Procurement Manager
bids@westernwater.com, Phone: (707) 540-9640, Fax: (707) 540-9641

Subcontractors will be required to comply with all subcontract insurance requirements, which include providing a waiver of subrogation endorsement to their worker's compensation insurance.

Interested subs and suppliers should complete and submit the attached solicitation form no later than 24 hours prior to bid.

WW is an AA/EEO/Veterans/Disabled Employer - CA License No. 188068

INVITATION TO BID
Request for Quotes from Certified DBE
Subcontractors and Suppliers

Project: Route 101/23 Pavement Rehabilitation
Contract No. 07-302504
Owner: Department of Transportation (CALTRANS)
BID SUBMITTAL DATE:
January 23, 2020 at 2:00 PM
Federal-Aid Project ACHSST-P023 (041) E

Request for quotes from Certified DBE's Subcontractors and Suppliers for the following, but not limited to scopes of work: AC Dike, Aggregate Supply, Asphalt Paving, Clear and Grub, Cold Plane AC, Concrete Barrier, Concrete Supply, Construction Area Signs, Drill and Bond, Electrical, Guardrail, Joint Seal Assemblies, Landscape and Irrigation, Manholes, Minor Concrete, Misc. Iron and Steel, PCC Supplies, Pipe Supply, Post Construction Survey, Railings, Reinforcing Steel, Roadside Signs, Rock Slope Protection, Saw and Seal, Slope Paving, and Striping.

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

Plans and specifications are available, at no cost from Caltrans website: <http://ppmoe.dot.ca.gov/des/oe/weekly-ads/specs-ntb.php?c=07-302504> (Registration Required). Additionally, plans and specifications are available at Flatiron's San Diego, CA and Chino Hills, CA offices. Please call to make an appointment to view plans and specifications.

This project has a 18% DBE Goal. In addition to request for participation from Certified DBE subcontractors and suppliers, Flatiron requests non-DBE subcontractors to provide lower-tier DBE subcontractor and/or supplier participation. Bidders are required to indicate lower-tier DBE participation, as it will be evaluated as part of their quote.

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

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

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

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

Flatiron West, Inc.
 16470 W. Bernardo Drive, San Diego, CA 92127
 Phone (909) 597-8413 Ext. 2075 Fax (909) 597-8635
 Email: SoCalBids@flatironcorp.com
 Point of Contact: Veronica Garcia,
 Estimating Admin.



Public Legal Notices



**CITY & COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC WORKS**

**Sourcing Event ID 000002750
Contract No. 1000015740
JOB ORDER CONTRACT NO. J47
GENERAL ENGINEERING SERVICES
PW JOC No.J47 Gen Eng Svcs**

Sealed bids will be received at 1155 Market Street, 4th Floor, San Francisco, California 94103 until **2:30:00 p.m. on January 22, 2020**, after which they will be publicly opened and read. Digital files of Bid Documents, Plan Holders Lists, and Addenda may be downloaded at no cost from the Public Works Electronic Bid Documents Download site at www.sfpublishworks.org/biddocs. Please visit the Contracts, Bids and Payments webpage at www.sfpublishworks.org for more information (click on Resources > Contractor Resources). Notices regarding Addenda and other bid changes will be distributed by email to Plan Holders.

The advertisement for bids is for the award of a Job Order Contract (JOC). Work is accomplished by issuing Task Orders to the successful Contractor during the term of the Contract. The scope of work may include repair, alteration, modernization, maintenance, rehabilitation, demolition and construction of infrastructure, rights-of-way, retaining walls, parks, playgrounds, medians and other similar works, structures, or other real property.

The Contract Term is 730 days from the date of notification to Contractor of executed Contract or when the cumulative amount of issued Task Orders reaches the Maximum Contract Value, whichever comes first. The Contract Term may be extended up to 5 years to complete the work of issued Task Orders, but no new Task Orders will be issued after the first 4 years.

The Maximum Contract Value is \$5,000,000, with a guarantee to receive opportunity to perform a minimum of \$50,000 worth of Task Order(s) to be issued during the Contract Term. For more information, contact the JOC Manager, **Teenchee Le** at 415-558-4023.

Bids will not be accepted from contractors currently holding a JOC contract with San Francisco Public Works, except when such existing JOC contract will expire in 120 days or fewer from the date Bids are due for this Contract, or if the contractor has been issued Task Orders valued by the City in an amount equal to or exceeding 90% of the Maximum Contract Value of the existing JOC contract.

On July 1, 2014, the registration program under section 1725.5 of the California Labor Code went into effect. The program requires that all contractors and subcontractors who bid or work on a public works project register and pay an annual fee to the California Department of Industrial Relations ("DIR").

No contractor or subcontractor may be listed in a bid or awarded a contract for a public works project unless registered with the DIR as required by Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

This Contract is subject to the requirements of Administrative Code Chapter 12X, which prohibits the City from entering into any Contract with a Contractor that has its United States headquarters in a state ("Covered States") with laws that perpetuate discrimination against LGBT populations or where any or all of the work on the contract will be performed in any of those states.

Pursuant to San Francisco Administrative Code ("Administrative Code") Section 6.25 and Chapter 25 of the

Environment Code, "Clean Construction" is required for the performance of all work.

Each Task Order will include liquidated damages, and each Task Order will be on a Lump Sum basis computed using preset Unit Prices and the Adjustment Factors. Progressive payments will be made on Task Orders with construction duration of more than 45 calendar days.

The Contract will be awarded to the lowest responsive bidder.

Bid discounts may be applied as per Administrative Code Chapter 14B, LBE Subcontracting Participation Requirement is **20%**. Call Antonio Tom at 415-558-4059 for details. In accordance with Administrative Code Chapter 14B requirements, all bidders shall submit documented good faith efforts with their bids, except those who exceed the above stated LBE Subcontracting Participation Requirement by 35%. Bidders must achieve 80 out of 100 points to be deemed responsive. Bidders will receive 15 points for attending the pre-bid conference, if scheduled. Refer to CMD Form 2B.

A pre-bid conference will be held on **January 10, 2020 at 09:00 a.m.** at 30 Van Ness Avenue, 3rd Floor Golden Gate Conference Room. Bidders are strongly encouraged to attend to obtain information regarding the Job Order Contract program.

For information on the City's Surety Bond and Finance Program, call 415-986-3999 or bond@imwis.com.

A corporate surety bond or certified check for no less than \$125,000, an amount equal to ten percent (10%) of the Initial Performance Bond and Initial Payment Bond amount of \$1,250,000, must accompany each bid.

Class "A" license required to bid.

In accordance with Administrative Code Chapter 6, no bid is accepted and no contract in excess of \$600,000 is awarded by the City and County of San Francisco until such time as the Mayor or the Mayor's designee approves the contract for award, and the Director of Public Works then issues an order of award. Pursuant to Charter Section 3.105, all contract awards are subject to certification by the Controller as to the availability of funds.

Minimum wage rates for this project must comply with the current General Prevailing Wage as determined by the State Department of Industrial Relations. Minimum wage rates other than applicable to General Prevailing Wage must comply with Administrative Code Chapter 12P, Minimum Compensation Ordinance.

This Project is subject to the requirements of the San Francisco Local Hiring Policy for Construction ("Policy") as set forth in Administrative Code Section 6.22(g). Bidders are hereby advised that the requirements of the Policy will be incorporated as a material term of any contract awarded for the Project. Refer to Section 00 73 30 of the Project Manual for more information.

Bidders are hereby advised that the Contractor to whom the Contract is awarded must be certified by the Contract Monitoring Division as being in compliance with the Equal Benefits Provisions of Chapter 12B of the Administrative Code within two weeks after notification of award.

If a bidder objects on any ground to any bid specification or legal requirement imposed by this Advertisement for Bids, the bidder shall, no later than the 10th working day prior to the date of Bid opening, provide written notice to the Contract Administration Division, San Francisco Public Works, setting forth with specificity the grounds for the objection.

1/9/20
CNS-3329491#
SMALL BUSINESS EXCHANGE

January 2020 Outreach

The SFMTA is currently conducting a survey to better understand perceptions of sharing rides in San Francisco. To connect San Franciscans safely, equitably, and sustainably to their communities, we must make more efficient use of our street infrastructure. Increasing vehicle occupancy through shared rides, either in carpools or shared ride-matching apps, is one way to more efficiently utilize our existing street space. We are trying to identify priorities for San Francisco residents and the barriers they face when considering using shared ride options through this survey.

Take the survey at sfmta.com/projects/shared-rides-pilot
Car Dealerships/Fleet Managers Needed

Join us for an exclusive networking event at SFO on Thursday, January 23, 2020, from 10:00 am - 12:00 pm with major rental car companies. Learn how the Airport Concession Disadvantaged Business Enterprise (ACDBE) program can help you supply their fleet.

<https://www.eventbrite.com/e/car-dealership-acdbe-outreach-event-tickets-85665077553?aff=affiliate>

From time to time our City's 9-1-1 dispatchers also receive calls for things that are not emergencies like reporting a blocked driveway or to report a car break-in (when the assailant is long gone). For these circumstances, it's best to dial 3-1-1 where expert staff can provide information on a variety of non-emergency City services, both over the phone and on the 311 app. Keep 9-1-1 available for police, fire and medical emergencies. You could be saving someone's life by making the right call when it comes to dialing 9-1-1 (or not).

Sunshine Ordinance Task Force

The Task Force advises the Board of Supervisors and provides information to other City departments on appropriate ways in which to implement the Sunshine Ordinance (Chapter 67 of the Administrative Code); to ensure that deliberations of commissions, boards, councils and other agencies of the City and County are conducted before the people and that City operations are open to the people's review.

Upcoming term expirations or vacancies:

Vacant Seat 1, succeeding Matthew Cate, resigned, must be nominated by the local chapter of the Society of Professional Journalists and be an attorney, for the unexpired portion of a two-year term ending April 27, 2020.

Vacant Seat 4, succeeding Pixie (Rishi) Chopra, resigned, must be a journalist from a racial/ethnic-minority-owned news organization and nominated by the New California Media, for a two-year term ending April 27, 2021.

Vacant Seat 8, succeeding Frank Cannata, resigned, must have demonstrated interest in, or have experience in, the issues of citizen access and participation in local government, for the unexpired portion of a two-year term ending April 27, 2020.

Seat 11, succeeding Fiona Hinze, term expiring April 27, 2019, must have demonstrated interest in, or have experience in, the issues of citizen access and participation in local government, for a two-year term ending April 27, 2021.

The City and County of San Francisco encourage public outreach. Articles are translated into several languages to provide better public access. The newspaper makes every effort to translate the articles of general interest correctly. No liability is assumed by the City and County of San Francisco or the newspapers for errors and omissions.

CNS-3324659#



DIVERSITY OUTREACH

- Advertise
- ITB to Targeted (NAIC/SIC/UNSPSC) Certified Business
- Telephone Follow-up (Live)
- Agency/Organization Letters
- Computer Generated Dated/Timed Documentation
- Customized Reports Available

Visit this link for the
OUTREACH ORDER FORM:
www.sbeinc.com/services/diversity_outreach.cfm



Public Legal Notices



**CITY & COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC WORKS**

Sourcing Event ID 0000002751

Contract No. 1000015741

JOB ORDER CONTRACT NO. J48

GENERAL BUILDING SERVICES

PW JOC No. J48 Gen Bldg Svcs

Sealed bids will be received at 1155 Market Street, 4th Floor, San Francisco, California 94103 until **2:30:00 p.m. on January 22, 2020**, after which they will be publicly opened and read. Digital files of Bid Documents, Plan Holders Lists, and Addenda may be downloaded at no cost from the Public Works Electronic Bid Documents Download site at www.sfpublishworks.org/biddocs. Please visit the Contracts, Bids and Payments webpage at www.sfpublishworks.org for more information (click on Resources > Contractor Resources). Notices regarding Addenda and other bid changes will be distributed by email to Plan Holders.

The advertisement for bids is for the award of a Job Order Contract (JOC). Work is accomplished by issuing Task Orders to the successful Contractor during the term of the Contract. The scope of work may include repair, alteration, modernization, maintenance, rehabilitation, demolition and construction of infrastructure, buildings, structures, or other real property.

The Contract Term is 730 days from the date of notification to Contractor of executed Contract or when the cumulative amount of issued Task Orders reaches the Maximum Contract Value, whichever comes first. The Contract Term may be extended up to 5 years to complete the work of issued Task Orders, but no new Task Orders will be issued after the first 4 years.

The Maximum Contract Value is \$5,000,000, with a guarantee to receive opportunity to perform a minimum of \$50,000 worth of Task Order(s) to be issued during the Contract Term. For more information, contact the JOC Manager, **Teenchee Le** at 415-558-4023.

Bids will not be accepted from contractors currently holding a JOC contract with San Francisco Public Works, except when such existing JOC contract will expire in 120 days or fewer from the date Bids are due for this Contract, or if the contractor has been issued Task Orders valued by the City in an amount equal to or exceeding 90% of the Maximum Contract Value of the existing JOC contract.

On July 1, 2014, the registration program under section 1725.5 of the California Labor Code went into effect. The program requires that all contractors and subcontractors who bid or work on a public works project register and pay an annual fee to the California Department of Industrial Relations ("DIR").

No contractor or subcontractor may be listed in a bid or awarded a contract for a public works project unless registered with the DIR as required by Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

This Contract is subject to the requirements of Administrative Code Chapter 12X, which prohibits the City from entering into any Contract with a Contractor that has its United States headquarters in a state ("Covered States") with laws that perpetuate discrimination against LGBT populations or where any or all of the work on the contract will be performed in any of those states.

Pursuant to San Francisco Administrative Code ("Administrative Code") Section 6.25 and Chapter 25 of the Environment Code, "Clean Construction" is required

for the performance of all work.

Each Task Order will include liquidated damages, and each Task Order will be on a Lump Sum basis computed using preset Unit Prices and the Adjustment Factors. Progressive payments will be made on Task Orders with construction duration of more than 45 calendar days.

The Contract will be awarded to the lowest responsible responsive bidder.

Bid discounts may be applied as per Administrative Code Chapter 14B. LBE Subcontracting Participation Requirement is **20%**. Call Antonio Tom 415-558-4059 for details. In accordance with Administrative Code Chapter 14B requirements, all bidders shall submit documented good faith efforts with their bids, except those who exceed the above stated LBE Subcontracting Participation Requirement by 35%. Bidders must achieve 80 out of 100 points to be deemed responsive. Bidders will receive 15 points for attending the pre-bid conference, if scheduled. Refer to CMD Form 2B.

A pre-bid conference will be held on January 10, 2020 at 09:00 a.m. at 30 Van Ness Avenue, 3rd Floor Golden Gate Conference Room. Bidders are strongly encouraged to attend to obtain information regarding the Job Order Contract program.

For information on the City's Surety Bond and Finance Program, call 415-986-3999 or bond@imwis.com.

A corporate surety bond or certified check for no less than \$125,000, an amount equal to ten percent (10%) of the Initial Performance Bond and Initial Payment Bond amount of \$1,250,000, must accompany each bid.

Class "B" license required to bid.

In accordance with Administrative Code Chapter 6, no bid is accepted and no contract in excess of \$600,000 is awarded by the City and County of San Francisco until such time as the Mayor or the Mayor's designee approves the contract for award, and the Director of Public Works then issues an order of award. Pursuant to Charter Section 3.105, all contract awards are subject to certification by the Controller as to the availability of funds.

Minimum wage rates for this project must comply with the current General Prevailing Wage as determined by the State Department of Industrial Relations. Minimum wage rates other than applicable to General Prevailing Wage must comply with Administrative Code Chapter 12P, Minimum Compensation Ordinance.

This Project is subject to the requirements of the San Francisco Local Hiring Policy for Construction ("Policy") as set forth in Administrative Code Section 6.22(g). Bidders are hereby advised that the requirements of the Policy will be incorporated as a material term of any contract awarded for the Project. Refer to Section 00 73 30 of the Project Manual for more information.

Bidders are hereby advised that the Contractor to whom the Contract is awarded must be certified by the Contract Monitoring Division as being in compliance with the Equal Benefits Provisions of Chapter 12B of the Administrative Code within two weeks after notification of award.

If a bidder objects on any ground to any bid specification or legal requirement imposed by this Advertisement for Bids, the bidder shall, no later than the 10th working day prior to the date of Bid opening, provide written notice to the Contract Administration Division, San Francisco Public Works, setting forth with specificity the grounds for the objection.

1/9/20

CNS-3329519#

SMALL BUSINESS EXCHANGE

OAKLAND UNIFIED SCHOOL DISTRICT

REQUEST FOR QUALIFICATIONS & PROPOSALS

SOLID WASTE HANDLING & RECYCLING & COMPOSTING SERVICES

RFP issued January 15, 2020

Responses must be received by February 6, 2020, no later than 2:00 p.m.

The Oakland Unified School District ("District") is requesting proposals from experienced firms, partnerships, corporations, associations, persons or organizations ("Contractors") to furnish to the District solid waste handling services that includes landfill, recycle and compost services, direct support to assist our schools sorting program preparation, education and implementation that builds off of our comprehensive Green Gloves Solid Waste Management Program and hosting an Annual Career Day.

Interested firms are invited to submit a completed Statement of Qualifications ("SOQ") along with the Fee Proposal (collectively "RFQ/P Packet") as described below, with one (1) unbound original, five (5) bound copies and a PDF version on a flash drive of requested materials to:

Oakland Unified School District
Roland Broach, Director of Custodial Services
Department of Custodial Services
900 High Street, Oakland, CA 94601

Oral, telegraphic, facsimile, telephone or email RFQ/P Packets will not be accepted. RFQ/P Packets received after this date and time will not be accepted and returned unopened. The District reserves the right to waive any informalities or irregularities in the RFQ/P Packets. The District also reserves the right to reject any and all RFQ/P Packets and to negotiate contract terms with one or more Respondents.

If you have any questions regarding this RFQ/P please email Kenya Chatman, Acting Director at kenya.chatman@ousd.org, and cc: to Colland Jang, School Facilities Planning Consultant at colland.jang@ousd.org.

LOCAL, SMALL LOCAL AND SMALL LOCAL RESIDENT BUSINESS ENTERPRISE PROGRAM

The Local Business Utilization Policy requires that there is a mandatory fifty percent (50%) LBU participation with a 25% or less Local Business (LBE) participation and a 25% or more Small Local or Small Local Resident Business (SLBE/SLRBE) participation for all capital program/construction-related contracts and professional services agreements. The full version of OUSD's latest Local, Small Local and Small Local Resident Business Enterprise Program can be found by going to the OUSD home page: ousd.org > Offices and Programs > Facilities Planning & Management Department > For Contractors and Developers > Bids and Requests for Proposals > Bid Information > 2014 Amendment to Local Business Participation Policy.

The District reserves the right to reject any and all proposals.



Public Legal Notices



CITY & COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS

Sourcing Event ID No. 000002263
Contract No. 100005832
19TH AVENUE (STATE ROUTE 1)
COMBINED CITY PROJECT
PW 19TH AVE STATE ROUTE 1

Sealed bids will be received at 1155 Market Street, 4th Floor, San Francisco, California 94103 until **2:30:00 p.m. on February 19, 2020**, after which they will be publicly opened and read. Digital files of Bid Documents, Plan Holders Lists, and Addenda may be downloaded at no cost from the Public Works Electronic Bid Documents Download site at www.sfpublishworks.org/biddocs. Please visit the Contracts, Bids and Payments webpage at www.sfpublishworks.org for more information (click on Resources > Contractor Resources). Notices regarding Addenda and other bid changes will be distributed by email to Plan Holders.

The Work is located along 19th Avenue, from Holloway Avenue to Lincoln Way, in San Francisco, California and consists of sewer replacement, watermain installation, AWSS work, curb ramp, pedestrian and transit bulb-out construction, traffic signal work, traffic control, and all associated work. The time allowed for completion is 864 consecutive calendar days. The Engineer's estimate is approximately \$48,200,000. For more information, contact the Project Manager, **Carol Huang** at 415-558-4544.

On July 1, 2014, the registration program under section 1725.5 of the California Labor Code went into effect. The program requires that all contractors and subcontractors who bid or work on a public works project register and pay an annual fee to the California Department of Industrial Relations ("DIR").

No contractor or subcontractor may be listed in a bid or awarded a contract for a public works project unless registered with the DIR as required by Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

This Project shall incorporate the required partnering elements for **Partnering Level 4**. Refer to Section 01 31 33 for more details.

Pursuant to San Francisco Administrative Code ("Administrative Code") Section 6.25 and Chapter 25 of the Environment Code, "Clean Construction" is required for the performance of all work.

This Contract is subject to the requirements of Administrative Code Chapter 12X, which prohibits the City from entering into any Contract with a Contractor that has its United States headquarters in a state ("Covered State") with laws that perpetuate discrimination against LGBT populations or where any or all of the work on the contract will be performed in any of those states. A list of states on the Covered State List can be found at: <https://oag.ca.gov/ab1887>.

The Specifications include liquidated damages. Contract will be on a Unit Price basis. Progressive payments will be made.

The Contract will be awarded to the lowest responsible responsive bidder.

A bid may be rejected if the City determines that any of the bid item prices are materially unbalanced to the potential detriment of the City.

Bid discounts may not be applied as per Administrative Code Chapter 14B. LBE Subcontracting Participation Requirement is **20%**. Call Finbarr Jewell at 415-558-4080 for details. In accordance with Administrative Code Chapter 14B requirements, all bidders shall submit documented good faith efforts

with their bids, except those who exceed the above stated LBE Subcontracting Participation Requirement by 27%. Bidders must achieve 80 out of 100 points to be deemed responsive. Bidders will receive 15 points for attending the pre-bid conference, if scheduled. Refer to CMD Form 2B.

A pre-bid conference will be held on January 9, 2020; 11:00 a.m., at 30 Van Ness Avenue, 5th Floor Main Conference Room.

For information on the City's Surety Bond and Finance Program, call (415) 986-3999 or bond@imwis.com.

A corporate surety bond or certified check for ten percent (10%) of the amount bid must accompany each bid. Administrative Code Section 6.22(a) requires all construction greater than \$25,000 to include performance and payment bonds for 100% of the contract award.

Class "A" license required to bid.

In accordance with Administrative Code Chapter 6, no bid is accepted and no contract in excess of \$600,000 is awarded by the City and County of San Francisco until such time as the Mayor or the Mayor's designee approves the contract for award, and the Director of Public Works then issues an order of award. Pursuant to Charter Section 3.105, all contract awards are subject to certification by the Controller as to the availability of funds.

Minimum wage rates for this project must comply with the current General Prevailing Wage as determined by the State Department of Industrial Relations. Minimum wage rates other than applicable to General Prevailing Wage must comply with Administrative Code Chapter 12P, Minimum Compensation Ordinance.

This Project is subject to the requirements of the San Francisco Local Hiring Policy for Construction ("Policy") as set forth in Administrative Code Section 6.22(g). Bidders are hereby advised that the requirements of the Policy will be incorporated as a material term of any contract awarded for the Project. Refer to Section 00 73 30 of the Project Manual for more information.

Bidders are hereby advised that the Contractor to whom the Contract is awarded must be certified by the Contract Monitoring Division as being in compliance with the Equal Benefits Provisions of Chapter 12B of the Administrative Code within two weeks after notification of award.

If a bidder objects on any ground to any bid specification or legal requirement imposed by this Advertisement for Bids, the bidder shall, no later than the 10th working day prior to the date of Bid opening, provide written notice to the Contract Administration Division, San Francisco Public Works, setting forth with specificity the grounds for the objection.

Right reserved to reject any or all bids and waive any minor irregularities.

1/9/20

CNS-3329591#

SMALL BUSINESS EXCHANGE