

# Strategies for Embracing Flexibility in Construction Management

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

By Holly Welles,

The construction industry can be volatile and unpredictable at the best of times. With the coronavirus pandemic sweeping the globe, construction work is taking a hard hit. Projects are getting delayed and even canceled as regions open and close to try to slow the virus's spread.

Flexibility is becoming a necessary part of business, especially if employers want to survive and thrive through these uncertain times. How can construction managers embrace flexibility as they begin adjusting to this new normal?

## Embrace Software and Automation

Automation is making its way into nearly every industry around the globe, and construction is no exception. In these uncertain times, embracing automation and its accompanying software could mean the difference between a business surviving the pandemic or being forced to shut their doors. Many common tasks in this field would respond well to automation, freeing skilled workers to dedicate their talents and work hours to other jobs.

In response to COVID-19, automation could allow worksites to continue operation despite the closures keeping workers at home. Some robots, like the Semi-Automated Mason, or SAM for short, can lay upwards of 2,000 bricks in a day. That's five times what a human mason can accomplish in the same amount of time. This machine is just one example of the technologies construction companies can adopt.

Taking the time to embrace automation could potentially keep operations moving when and if state legislation mandates more lockdowns to prevent the virus from spreading.

## Reduce Hard Costs and Operating Costs

It's challenging to maintain things like payroll and expenses when lockdowns shut down job sites and there is no money flowing into the company. One way to keep things afloat while business owners wait for things to go back to normal is to cut hard costs and reduce operating expenses. There are numerous ways to approach this plan, depending on a company's immediate needs.



Consider improving business processes by adopting unique innovations, such as the automation mentioned above. This step might require a significant initial investment, but if it can secure a swift return on investment (ROI) and reduce overall costs, it may be worth the expense.

Now may also be the perfect time to invest in rented or used equipment to supplement a company's fleet when it's needed. Used equipment might not represent the newest options available on the market, but when purchased from a licensed reseller, it does provide a reliable and cost-effective option for moving projects forward. This can allow firms to maintain flexibility as soft costs like labor and safety management shift over time.

## Manage Smaller Teams With Rotating Shifts

Masks and social distancing are some of the best tools the global population has to combat the spread of this virus, at least until a viable cure or vaccine becomes available. That can be challenging in the construction industry, with large crews working in close quarters throughout long shifts. It won't take much for these scenarios to become potential superspreader events for the virus.

According to the Occupational Safety and Health Administration (OSHA), most construction tasks are low risk as long as workers can remain 6 feet apart. Once you move into indoor spaces or areas with people who are sick or have been exposed to the virus, you start approaching medium and high risk.

One potential solution to this problem is to manage smaller teams. Keep the smallest amount of employees on-site at any given time. If there aren't enough people to complete the job in a single shift, switch to rotating shifts throughout the day. On any given day, there are 24 hours to work with. Split that into three or four rotating shifts and maintain your operations while keeping employees safe and virus free.

## Planning for Project Flexibility in Construction

Six months into the COVID-19 pandemic and businesses and individuals are still learning how to navigate this new normal. It will take some time for things to start falling into place, and longer still for them to return to normal once a cure or vaccine hits the market. Flexibility in construction management is essential to helping businesses thrive in these uncertain times.

Construction managers need to look closely at their current practices and see where they could be more flexible. They should also determine where they can make the necessary changes to keep their employees both safe and productive throughout this pandemic. Business owners need to start planning for the post-COVID world now before it sneaks up on them in the coming months and years.

## SOURCE:

<https://www.constructconnect.com/blog/strategies-for-embracing-flexibility-in-construction-management>



# California Sub-Bid Request Ads

**CAHILL CONTRACTORS LLC**  
requests bids from Certified SBE Subcontractors  
and Suppliers for the following  
**SELECT DESIGN-BUILD TRADES ONLY:**

Exterior Building Maintenance / Elevators  
(Design-Assist) / Fire Sprinkler / Solar Hot Water,  
Photovoltaic / Plumbing / HVAC / Electrical

**4TH & FOLSOM - EARLY TRADES**  
4th & Folsom Street, San Francisco CA

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

**BID DATE: 9/8/20 @ 2 PM**

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

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

**Plant Construction Company, L.P.**  
300 Newhall Street, San Francisco, CA 94124

**Requesting Sub-Quotes From  
Qualified SBE Subcontractors**

**TREASURE ISLAND INTERIM GAS MAIN  
PROJECT NO. 2020086**

Plant Construction seeks CMD certified SBE  
contractors to bid on the Site Utilities scope for  
Treasure Island, scope includes underground  
gas main.

Trade Contractors who are evaluated and deemed  
pre-qualified to perform the work will be eligible to  
submit a bid. For Pre-qualifications package send  
email to [sabrinas@plantco.com](mailto:sabrinas@plantco.com).

**Bids are due by 12:00 p.m. August 18, 2020**  
To the Building Connected link below.

Contact Anthony Bellanti at Plant Construction  
Company, L.P. at [anthonyb@plantco.com](mailto:anthonyb@plantco.com) if you  
need additional information.

For the bid documents  
PLEASE VISIT OUR WEBSITE AT:  
[https://app.buildingconnected.com/  
public/5627f791eb187c0700da7194](https://app.buildingconnected.com/public/5627f791eb187c0700da7194)

**TMM Enterprises Group, Inc**  
is seeking qualified DBE Suppliers for  
**IFB Number: 131582R1**  
**12-INCH & 30-INCH DISMANTLING  
JOINTS FOR CORONADO TRUNK LINE**

Owner: Los Angeles Water & Power  
**BID DATE: 08/24/2020 @ 2:00 PM**

Seeking:  
Manufacturers of dismantling joints.  
Pipe and Valve distribution.

**TMM Enterprises Group, Inc**  
Contact: Terrence Payne  
5042 Wilshire Blvd #517  
Los Angeles, CA 90036  
Phone: 323-376-0162  
Email: [info@tmminfo.biz](mailto:info@tmminfo.biz)

TMM Enterprises Group, Inc will assist  
qualified subcontractors in obtaining  
bonds, insurance, and/or lines of credit.



**Project Name:** Mission Rock Buildings B & G  
**Location:** San Francisco, California  
**Bid Date:** September 10, 2020 @5pm  
**Pre-Bid Call:** August 17 via Webex,  
RSVP with James Dees at [jamesd@nibbi.com](mailto:jamesd@nibbi.com).

Mission Rock is a landmark 2.8 million GSF mixed-use  
master development located on Seawall Lot 337, just  
south of Oracle Park. The waterfront site is approximately  
28 acres in total and is currently serving as a parking lot  
for events at Oracle Park, the neighborhood and the  
event space in the historic Pier 48 site, which showcases  
three one-story structures. Crafted with 11 years of com-  
munity input, Mission Rock carefully balances the needs  
of the neighborhood and the City and includes water-  
front parks and open space, affordable housing units,  
neighborhood-serving retail, and pedestrian-friendly  
blocks. In 2018, the project received key governmental  
approvals, and the San Francisco Giants and Tishman  
Speyer formed a partnership to design, develop, own  
and manage this landmark development in collaboration  
with the Port of San Francisco. The project site is made  
up of eleven individual development parcels:

- o Six are preliminarily earmarked for office  
development (1.4 million GSF)
- o Five are preliminarily earmarked for  
residential development (approximately  
1,200 residential units, 40% below  
market rate)
- o Street level retail / PDR offerings  
(220,000 SF)
- o Structured parking for neighborhood,  
tenant, and Oracle Park use

The project will include eight acres of public parks and  
open spaces, a very compelling attribute for an urban de-  
velopment in San Francisco, including a 5 acre waterfront  
park and open space in the first phase. Mission Rock is  
expected to be built in three to four overlapping phases  
beginning in 2020, with estimated final phase delivery  
in seven to ten years. Phase 1, consisting of the 5.2-acre  
park and open space, two office and two residential  
buildings, is expected to begin construction in 2020,  
with delivery planned for 2023. **80% CD Bid Packages  
for Parcel A, Buildings B & G:**

- Metal Decking - steel decking (and associated  
closures / trim scope) for 13-story steel framed  
building and 8-story steel framed building
- Fireproofing - spray-applied fireproofing (and  
minor intumescent scope) for 13-story steel  
framed building and 8-story steel framed building
- Painting - interior and (minor) exterior painting  
for 13-story warm shell commercial building and  
8-story warm shell commercial building
- Drywall - framing and drywall scope for 13-story  
warm shell commercial building and 8-story warm  
shell commercial building. Scope to include: all  
interior and exterior gauge framing (exte-  
rior scope to support some L1 façade elements),  
drywall, acoustic and thermal insulation in walls,  
firestopping, and slab edge firesafing.
- Underground Waterproofing - waterproofing  
membrane for structural slab on grade and  
subgrade walls. Alternate bid scope to include  
above-grade terrace waterproofing and roofing.
- Metal Guard Rails - exterior steel guardrails at foot  
terraces of 13-story building.
- BMU - Rooftop window washing crane and associ-  
ated accessory work for 13-story office building.

**Mission Rock Equity Program Commitments:**

- 20% San Francisco Local Business Enterprise (LBE)  
commitment
- 30% of all project hours within each trade to be  
performed by local residents (mandatory require-  
ment).
- 50% of the project work hours performed by ap-  
prentices within each trade shall be performed by  
local residents.
- Mission Rock projects are subject to a Project  
Labor Agreement and Prevailing wage provisions  
submitted through LCP Tracker.

**For digital plans and specs contact  
Chad Herrera ([herrera@hdcco.com](mailto:herrera@hdcco.com))  
to access project via Building Connected.**

## CLASSIFIED AD



**RCS Inc.**

Kim Romero, President  
[kromero777@gmail.com](mailto:kromero777@gmail.com)  
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**Contact Info:**

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

**Publisher of**  
Small Business Exchange  
weekly newspaper



# California Sub-Bid Request Ads

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, R-Line, RCP to RRY**  
**Contract: 15EJ-182**

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

**Bid Date: November 3, 2020 @ 2:00pm**

Services Needed:

Construction Survey, Construction Area Signs, Traffic Control, SWPPP, Temporary Erosion Control, Site Security, Janitorial, Trucking, Earthwork, Clearing & Grubbing, Tree Removal, Sitework, Drainage, Underground Utilities, Fencing, Concrete Foundations, Reinforcing, AC Paving, Electrical, Communication, Fiber Optic, Traction Power, Train Control, 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](mailto: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  
An Equal Opportunity Employer

**D'Arcy & Harty Construction, Inc**  
(415) 822-5200 ph (415) 822-0747 fx  
Estimator : [willie@darcyhart.com](mailto:willie@darcyhart.com)

**West County Wastewater**  
**Priority Sewer Replacement Area 6,7& 8**  
**Bids: August 14, 2020 at 2:00 PM**

**West County Wastewater**  
**Priority Sewer Replacement Area 5**  
**Bids: August 21, 2020 at 2:00 PM**

DBE sub- bids requested for:  
Saw-cutting, Trucking, Precast Concrete Manhole Supply, HDPE & PVC pipe supply  
Plans & specs are available to view upon request.

**DMF**  
D.M.FIGLEY, INC.

Menlo Park (650) 329-8700	Oakland* (510) 636-2020	Sacramento (916) 388-5775	Anaheim (714) 453-1470	San Diego (619) 745-5330
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Serving California since 1970, D.M. Figley is a certified SBE & LBE\* specialty materials distributor of concrete repair, waterproofing, deck coating, elastomeric wall coatings, AVB's and sealants.

Contact Reuben Figley for project pricing at [rfigley@dmfigley.com](mailto:rfigley@dmfigley.com)

Visit us at <http://www.dmfigley.com>

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<https://www.dow.com/en-us.html>

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REQUEST FOR CERTIFIED **D/S/W/MBE**  
SUBCONTRACTORS, SUPPLIERS & TRUCKERS  
FOR:

**Corte Madera 4-Acre Tidal Marsh  
Restoration Project**  
**Golden Gate Bridge, Highway &  
Transportation District**  
**Contract No. 2020-F-035, EE: \$1,500,000**  
**Town of Corte Madera, Marin County, CA**  
**Bid Date: August 25, 2020 @ 2:00 PM**  
**SBE Goal: 3.8%**

Work types requested, but are not limited to, the following:

**Water and Sewer Line and Related Structures  
Construction (Irrigation) (237110); All Other  
Specialty Trade Contractors (Fencing) (238990);  
Other Concrete Product Manufacturing (Benches)  
(327390); Other Metal Container Manufacturing  
(Trash Receptacles) (332439); Sign Manufactur-  
ing (339950); Specialized Freight (except Used  
Goods) Trucking, Local (484220); Engineering  
Services (SWPPP Preparation) (541330); Survey-  
ing and Mapping (except Geophysical Services)  
(541370); and Landscaping Services (561730).**

Plans and Specifications are available for review at our office, or can be downloaded from <https://ggbhdt.bonfirehub.com/portal/?tab=openOpportunities>

Call Serina Sirna for information on the project, submitting a quote, assistance in obtaining bonds, line of credit, insurance, scheduling accommodations, equipment, supplies, materials and related assistance or services.

**Gordon N. Ball, Inc.**

Attn: Serina Sirna  
333 Camille Ave., Alamo, CA 94507  
Phone: (925) 838-5675 • Fax: (925) 838-0814  
[estimating@ballconco.com](mailto:estimating@ballconco.com)

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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:

**Konociti County Water District -  
Water System Improvements Project**  
**Engineer's Estimate: \$7,000,000 - \$7,500,000**  
**REVISED Bid Date & Time: September 3, 2020 at 3:00 PM.**  
**Project Location: Clearlake, CA**

WW has identified the following potential contracting opportunities for qualified subcontractors and suppliers on this project:  
**Concrete, Electrical, Earthwork & Paving, Fencing, HVAC, Masonry, Painting & Coatings, Pipeline, Roofing, Rebar, Machinery & Pumps, Metal Products, Driven Piles, Precast, Steel Storage Tanks, Chem Storage Tanks, Horizontal Directional Drilling.**

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](mailto: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 48 hours prior to bid. We ask that all scopes are submitted 24 hours prior to bid for review, and that all pricing is in 2 hours prior to bid.

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



# California Sub-Bid Request Ads

## Invitation to Bid for General Contracting Services

**Tri-Valley Haven (TVH)** is a service agency that provides emergency shelter and resources for adults and children who have experienced domestic violence, sexual assault, or homelessness. Through this Invitation to Bid, TVH is seeking general contracting services for three of their facilities.

The Community Building that serves as the administrative offices for Tri-Valley Haven is a 5,042 square foot facility built in 1997. Sojourner House is a 3,000 square foot, 1-story, single-family residence built in 1967 that contains 4-bedrooms and administrative offices. Shiloh, the second facility, consists of two single-family buildings totaling approximately 7,500 sq. ft. The scope of work for these three facilities include a variety of exterior and interior improvements.

The bid package containing the drawings and project manual are available on PlanWell and accessible at the link below. **Bids will be due September 10, 2020 at 3 pm.** To access the bid documents take the following these steps:

- Step 1: Got to: <https://www.e-arc.com/location/san-ramon/>
- Step 2: Go to Planrooms and click on "Order from PlanWell"
- Step 3: On the left hand of the page go to Public PlanRoom and hit "Go." This will take you to all of the public projects that are out for bid.
- Step 4: Locate the "Tri-Valley Haven Facilities Rehab Project"
- Step 5: Order Plans and Project Manual

For questions or clarifications regarding this Invitation to Bid please contact **Kenneth Jones at 925-207-3830 or via email at [kjones@landisdevelopment.com](mailto:kjones@landisdevelopment.com)**. Inquiries regarding the scope, architectural drawings, or project manual should be directed to the Architect, Michael Fowler at Walovich Architect at [mfwolow@walovich.com](mailto:mfwolow@walovich.com). This Is A Federal Prevailing Wage Project

## REQUEST FOR SUB-QUOTES FROM CERTIFIED DISADVANTAGED BUSINESS ENTERPRISES, ALL OTHER SUBCONTRACTORS AND SUPPLIERS FOR:

**Golden State Bridge, Inc./Obayashi JV**  
**Yerba Buena Island West-Side Bridge Structures Project**  
**At Treasure Island Road Between I-80 and South of Macalla Road**  
**Subcontractor Proposals Due: Monday, August 31, 2020 at 3:00pm**

**Quotes needed, but not limited to:** Lead Compliance Plan, Develop Water Supply, Construction Area Signs, Traffic Control System, Type III Barricade, Temporary Traffic Stripe (Paint), Plastic Traffic Drums, Temporary Pavement Marker, Portable Changeable Message Sign, Temporary Railing (Type K), Temporary Alt Crash Cushion, Prepare Water Pollution Control Program, Move-In/Move-Out (Temporary Erosion Control), Temporary Hydraulic Mulch, Temporary Drainage Inlet Protection, Temporary Fiber Roll, Temporary Reinforced Silt Fence and Construction Entrance, Street Sweeping, Temporary Concrete Washout, Remove Yellow Thermoplastic Traffic Stripe (Hazardous Waste), Treated Wood Waste, Contractor-Supplied Biologist, Vibration Monitoring, Clearing and Grubbing, Roadway Excavation, Structure Excavation and Backfill, Lightweight Backfill Material, Subgrade Enhancement Geotextile, Concrete Backfill, Lean Concrete Backfill, Move-In/Move-Out (Erosion Control), Erosion Control, Hydromulch, Fiber Rolls, Straw, Hydroseed, Compost, Permanent Erosion Control Establishment Work, Concrete Base, Slurry Seal, Hot Mix Asphalt (Type A), Cold Plane Asphalt Concrete Pavement, Ground Anchor, Soil Nail, Steel Soldier Pile, 24" and 30" Drilled Hole, Permanent Steel Casing, Cast-In-Drilled-Hole Concrete Piling, Structural Concrete, Minor Concrete, Architectural Treatment, Drill and Bond Dowel, Joint Seal, Rebar, Structural Shotcrete, Structural Steel, Furnish & Install Sign Structure, Timber Lagging, Clean and Paint Structural Steel, Spot Blast Clean, Bridge Removal (Portion), Remove Retaining Wall, Cap Beam, Crib Wall, Retaining Wall, Tree and Structure, Composite Column Casings, Plastic Pipe, Imported Biofiltration Soil, 6" Perforated Plastic Pipe Underdrain, Class 3 Permeable Material, Geomembrane, Drainage Inlet Marker, Grated Line Drain, Alternative Flared End Section, Trash Capture Device, Inlet Depression, Abandon Culvert, Remove Culvert, Inlet And Manhole, Cleanout, Rock Slope Protection, Minor Concrete, Remove Concrete Curb, Misc Iron and Steel, City Manhole, Misc Metal, Bridge Deck Drainage System, Joint Utility Trench, Lighting, Tunnel Lighting, Electronic Toll Systems, Survey Monument, Relocate Caltrans Controller Box, Remove Conduit and Cable, Utility Box (AT&T), Chain Link Fence, Remove Pavement Marker, Delineator, Guard Railing Delineator, Pavement Marker, Object Marker, Remove Roadside Sign, Install Sign Panel On Existing Frame, Remove Roadside Sign And Sign Panel, Furnish Laminated Sign Panel, Furnish Single Sheet Aluminum Sign, Metal (Barrier Mounted Sign), Roadside Sign - One Post, Install Sign and Sign Panel On Existing Frame, Midwest Guardrail System, Vegetation Control (Minor Concrete), Tubular Bicycle Railing, Cable Railing, Transitional Railing, Alt Inline Terminal System, Crash Cushion, Concrete Barrier, Remove and Reconstruct Barrier and Railing, Remove Guardrail, Thermoplastic Traffic Stripe, Remove Thermoplastic Traffic Stripe and Pavement Marking, Contrast Stripe Paint, Temp Lighting Systems, Remove Electrolier and Lighting Systems.

### ALL ITEMS CAN BE BID IN FULL OR PARTIAL QUANTITIES

**Plans & Specs** can be obtained by emailing your request to Miquela Fox at [mfox@gsbridge.com](mailto:mfox@gsbridge.com).

Bonding and Insurance Assistance is available.

**Golden State Bridge, Inc./Obayashi JV**  
 3701 Mallard Drive, Benicia, CA 94510  
 Phone: (925) 372-8000 Fax (925) 372-8001

**PLEASE SEND YOUR QUOTE VIA EMAIL TO [YBl.Estimating@Obayashi-usa.com](mailto:YBl.Estimating@Obayashi-usa.com)**

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## INVITATION TO PREQUALIFY FOR

**County Building 14**

### DUE DATE FOR PREQUALIFICATIONS

Requesting completed prequalification forms from Subcontractors by

Friday, August 21st, 2020 2:00PM PST

Approved Subcontractors will be notified by Thursday, September 10th, 2020

### DUE DATE FOR BIDS

**Package 3B Bids Due:** Friday, October 2nd, 2020  
 3:00PM PST

### PROJECT INFORMATION AND DESCRIPTION:

New 230,000 sf LEED silver, 6 story mid-rise office building, over two levels of subterranean parking

located at 645 N. Ross St. Santa Ana, CA.

Owner: County of Orange

Agent for Owner: Griffin Structures, Inc.

### PACKAGE 3A TRADES:

Lump Sum Bid: Landscaping; Asphalt Paving; Pavement Markings; Window Treatments; Fixed Audience Seating; Wheelchair Lift.

### REQUIRED SUBMITTALS:

1. Swinerton Prequalification
2. Project-Specific Prequalification Packet (Provided upon request to our office)

**\*All subcontractors must be pre-qualified to bid on this project.**

If interested in prequalifying, please contact Casey Garrison at [cgarrison@swinerton.com](mailto:cgarrison@swinerton.com) 949.405.5410 for the prequalification forms.

**Do NOT contact the County of Orange, Architect or any of the project Consultants. All queries of any nature should be directed to Swinerton Builders.**

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REQUESTING SUB BIDS FOR ALL TRADES INCLUDING QUALIFIED SBE & DVBE SUBCONTRACTORS & SUPPLIERS ON THE FOLLOWING PROJECT

**LAUSD Belvedere Middle School Comprehensive Modernization Project**  
 Los Angeles, California

**Bid due dates will vary, inquire for details**



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Michelle Keyser, [mkeyser@henselphelps.com](mailto:mkeyser@henselphelps.com)

Subcontracts awarded on this project will be on the Hensel Phelps Construction Co. standard form subcontract and may include a requirement to provide payment & performance bonds from a T-Listed surety at the subcontractor's expense. HPCC will assist in obtaining bonds, lines of credit or insurances required.

Visit [www.sbeinc.com](http://www.sbeinc.com) to download a PDF version of the latest SBE Newspaper and SBE Newsletter

# The Truth About 3D Printing in Construction

[ Article was originally posted on Autodesk Construction Cloud Blog. [constructionblog.autodesk.com](https://www.autodesk.com/ideas/constructionblog) ]

By Grace Ellis,

## 3D printing offers big promises for construction. Will the innovation live up to the hype?

3D printing has been a big buzz term over the past decade—and for good reason. Though initially developed for product prototyping purposes, 3D printing technology has advanced to the point where it has emerged as a key player in a variety of industries.

While clearly, 3D printing technology has proven beneficial in the medical, aerospace, and tool-making arenas since its inception, there's one other field that's potentially poised to break out: the construction sector.

With 3D printers now capable of printing building walls and processing cement, the technology could help reshape construction as we know it. But is 3D printing in construction just a fleeting trend or does it have real staying power as a technology that can serve as a key long-term solution? Below, we'll explore how 3D has been already making waves in construction and what the future looks like.

### A History of 3D Printing in Construction

Before we get into a history of 3D printing in the construction industry, it's first important to take a step back in time to the origins of 3D printing itself.

3D printing's roots date back to the mid-1980s when stereolithography, or SLA, was conceived. SLA works as a high-powered laser and turns a liquid resin into a solid material. SLA is an additive technology, which means it involves creating a product from the ground up in a layer-by-layer fashion. Today, SLA is still one of the most popular 3D printing technologies, though 3D printing is generally considered any technology that creates parts in an additive way. Some other popular additive technologies include selective laser sintering (SLS), fused deposition modeling (FDM) and direct metal deposition (DMD).

3D printing initially was utilized for quickly and accurately creating prototype parts. As additive processes improved, however, its viable uses began to expand. Prior to the adoption of building information modeling (BIM), 3D printing was even used by architectural firms to build scale models. It wasn't long before it was administered for more ambitious construction purposes.

For more than a decade, 3D printing has been used in several ambitious initiatives and projects in construction, including:

- In 2004, a USC professor attempted to 3D print a wall in what's widely accepted as the technology's first entry into construction.

- In 2014, a full canal house built using 3D printing was completed in Amsterdam.
- In 2016, a 3D-printed mansion was completed in China.
- Also in 2016, the Dubai Future Foundation built its Office of the Future via 3D printing, a major milestone for the technology in the commercial construction sector. The fully functioning 2,700-square foot building was built by a large 3D printer that measured 120 x 40 x 20 feet. Construction took just 17 days.

Today, the 3D printing construction market is quickly growing, expected to reach \$1.5 billion by 2024.

### The Growth of 3D Printing in Construction

While 3D printing's emergence in the construction industry is ongoing, certain building aspects are poised for more growth than others.

Concrete, specifically, is one of them. In fact, the concrete 3D printing market is projected to be valued at \$56.4 million by 2021, growth that's largely spurred by the amount of new, innovative projects that are being planned in construction. 3D printing in concrete doesn't appear just to be a grassroots movement, either. In February 2017, Vinci, one of France's leading construction firms, purchased a stake in XtreeE, a French startup company that specializes in 3D printing concrete structural elements.

In 2019, BAM opened Europe's first concrete printing centre in the Netherland. The factory has already been tasked to deliver several 3D printed bridges throughout the region. Watch the video below to see how BAM and Saint-Gobain are changing the future of infrastructure with sustainable, scalable, and affordable 3D concrete printing solutions.

Though 3D printing concrete shows great potential, it's worth noting that the overall technology when it comes to the concrete material is still relative in its infancy. In fact, most 3D printers that process concrete are still being tested and tweaked today, and aren't yet designed for manufacturing purposes. However, as we can see from the video above, the potential is there to additively build everything from foundations to walls to individual cinder blocks to bridges in a faster, more affordable, and more environmentally-friendly manner as the technology continues to progress.

### The Benefits of 3D Printing in Construction

Just why is 3D printing gaining so much buzz in the construction sector? As the industry faces increasing pressure to meet tight schedules and budgets, companies are looking to new innovations to help fill the gaps. 3D printing in construction offers a significant potential to increase efficiency in the building sector, including the following ways.

construction offers a significant potential to increase efficiency in the building sector, including the following ways.

#### Speed

3D printing has already shown that it can build a home or building from the ground up in a matter of days. That's a significantly faster timeframe than conventional construction, which can take months and years to fully construct a commercial building. According to Marco Vonk, Marketing Manager at Saint-Gobain Weber Beamix, "You save about 60% of the time on the jobsite and 80% in labor."

#### Waste reduction

Worldwide construction waste currently totals more than 1 billion tons each year, and according to Construction Dive, this number is expected to double by 2025. While 3D printing won't be able to solve all of the construction waste problems, it can help. This is largely because 3D printing is an additive manufacturing process that only uses as much material as is necessary for creating a structure. When paired with other waste-reducing processes and building methods like prefabrication and lean construction, the potential of a waste-zero building seems all the more likely.

#### Design freedom

One of the great things about 3D printing is the design freedom that it offers. Architects are able to build complex designs that are otherwise unattainable, or too expensive or labor-intensive to create by conventional construction means. This can allow for a lot more innovation and creativity in the commercial construction space. Vonk adds, "3D concrete printing enables you to make any shape. You can bend it, you can make angles, you can make virtually any organic shape you want to, and it's a one-to-one copy to what you designed on paper."

#### Reduce human error

According to OSHA, more than 5,000 workers are killed on the job each day. Because construction would be more programmable and automated, worker injuries and fatalities would likely decrease if 3D printing was incorporated onto the jobsite.

### The Challenges of 3D Printing in Construction

Despite the benefits and potential that 3D printing has in the construction sector, there are a number of factors that may prohibit the technology from becoming mainstream. Below, let's explore a few of these challenges.

#### Visit link for the full article:

<https://constructionblog.autodesk.com/3d-printing-construction/>



# California Sub-Bid Request Ads

## DESILVA GATES CONSTRUCTION

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

DeSilva Gates Construction (DGC)  
is preparing a bid as a Prime Contractor  
for the project listed below:  
**HAZEL AVENUE IMPROVEMENT PROJECT -  
PHASE 3**

**SUNSET AVENUE TO MADISON AVENUE**  
Contract No. 4415,  
Federal Aid Project No. STPL-5924(253)  
Disadvantaged Business Enterprise Goal  
Assigned is 12%

**OWNER: COUNTY OF SACRAMENTO**  
9660 Ecology Lane, Sacramento, CA 95827  
**REVISED BID DATE: August 20th, 2020 @ 2:00 P.M.**

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

**CLEARING AND GRUBBING/DEMOLITION, COLD PLANE, PROJECT & BUSINESS SIGNS, ELECTRICAL, FENCING, LANDSCAPING/IRRIGATION, MINOR CONCRETE, MINOR CONCRETE STRUCTURE, ROADSIDE SIGNS, SLURRY SEAL, MASONRY WALL, STRIPING, SWPPP PREP/WATER POLLUTION CONTROL PLAN PREPARE, UNDERGROUND, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL, 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@desilvagates.com](mailto:ftp@desilvagates.com) and password is [f7pa55wd](http://www.sacountybids.net/)) or from the Owner's site at <http://www.sacountybids.net/>  
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](http://www.dir.ca.gov/Public-Works/PublicWorks.html)

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

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

## DESILVA GATES CONSTRUCTION

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

DeSilva Gates Construction (DGC)  
is preparing a bid as a Prime Contractor  
for the project listed below:  
**SOUTHEAST CONNECTOR JOINT POWERS  
AUTHORITY SEGMENT D3  
WHITE ROCK ROAD,**  
Federal Project No. 5288(046)

Disadvantaged Business Enterprise Goal  
Assigned is 10%

**OWNER: CITY OF FOLSOM**  
50 Natoma Street, Folsom, CA 95630  
**BID DATE: AUGUST 18, 2020 @ 2:00 P.M.**

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

**AC DIKE, ASBESTOS COMPLIANCE PLAN, BLASTING, BRIDGE, CLEARING AND GRUBBING/DEMOLITION, COLD PLANE, CONCRETE BARRIER, CONSTRUCTION AREA SIGNS, ELECTRICAL, EROSION CONTROL, FENCING, LANDSCAPING, METAL BEAM GUARDRAIL, MINOR CONCRETE, MINOR CONCRETE STRUCTURE, ROADSIDE SIGNS, ROCK SLOPE PROTECTION SUPPLIER, RUMBLE STRIP, SLURRY SEAL, STAMPED/TEXTURED PAVING, STRIPING, SURVEY/STAKING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TRAFFIC CONTROL SYSTEMS, UNDERGROUND, VEGETATION CONTROL, TRUCKING, WATER TRUCKS, STREET SWEEPING, IMPORTED BORROW, CLASS 2 AGGREGATE BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL, RUBBERIZED HMA (GAP GRADE) MATERIAL.**

Plans and specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is [ftp@desilvagates.com](mailto:ftp@desilvagates.com) and password is [f7pa55wd](http://www.sacountybids.net/)) or from the Owner.

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

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

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

## DESILVA GATES CONSTRUCTION

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

DeSilva Gates Construction (DGC)  
is preparing a bid as a Prime Contractor  
for the project listed below:  
**CALTRANS ROUTE 99-  
CONSTRUCTION ON STATE HIGHWAY  
IN BUTTE COUNTY ABOUT 10 MILES NORTH OF  
GRIDLEY FROM 0.3 MILE SOUTH TO 0.5 MILE  
NORTH OF NELSON AVENUE**  
Contract No. 03-0F2904, Federal Aid  
Project No. ACNH-P099(658)E  
Disadvantaged Business Enterprise Goal  
Assigned is 14%

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

**BID DATE: AUGUST 27, 2020 @ 2:00 P.M.**

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

**ASBESTOS COMPLIANCE PLAN, BIOLOGIST CONSULTANT, BRIDGE, BRIDGE REMOVAL, CLEARING AND GRUBBING/DEMOLITION, COLD PLANE, CONSTRUCTION AREA SIGNS, ELECTRICAL, EROSION CONTROL, LEAD COMPLIANCE PLAN, METAL BEAM GUARDRAIL, ROADSIDE SIGNS, ROADWAY EXCAVATION, STRIPING, SWPPP PREP/WATER POLLUTION CONTROL PLAN PREPARATION, TEMPORARY EROSION CONTROL, UNDERGROUND, VEGETATION CONTROL, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL, RUBBERIZED HMA (GAP GRADE) MATERIAL, ASPHALT BINDER.**

Plans and specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is [ftp@desilvagates.com](mailto:ftp@desilvagates.com) and password is [f7pa55wd](http://www.dot.ca.gov/hq/esc/oe/weekly_ads/all_adv_projects.php)) or from the Owner's site at [www.dot.ca.gov/hq/esc/oe/weekly\\_ads/all\\_adv\\_projects.php](http://www.dot.ca.gov/hq/esc/oe/weekly_ads/all_adv_projects.php)

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

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

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



# California Sub-Bid Request Ads



10704 Shoemaker Ave., Santa Fe Springs, CA 90670  
Tel: (562) 946-1816 • Fax: (562) 946-3823  
Contact: Jimmy Huynh • Email: [jimmy.huynh@kiewit.com](mailto:jimmy.huynh@kiewit.com)

**Owner: County of Los Angeles Public Works, Construction Division**  
**Project Name: Los Altos Pumping Plant Mechanical and Electrical Rehabilitation; Project ID No. FCC0001334**  
**Location: 911 North Studebaker Road, Long Beach, CA 90815**  
**Bid Date: September 8, 2020 at 11:00a.m.**  
**Request for CBE, DBE, MBE, WBE, DVBE sub-quotes**

Kiewit Infrastructure West Co. (Kiewit) is seeking sub-quotes from qualified Community Business Enterprise (CBE) firms, including Disadvantaged Business Enterprises (DBE), Minority Business Enterprise (MBE), Women Business Enterprise (WBE), Disabled Veteran Business Enterprise (DVBE) firms; and all other business enterprises to perform as Subcontractors and Material Vendors/Suppliers. CBEs must provide evidence of certification as a Community Business Enterprise by the County of Los Angeles Public Works.

The **Los Altos Pumping Plant Mechanical and Electrical Rehabilitation Project** replaces the main pumps, sump pump, electric motors, discharge pipes, and flap gates and install a catwalk platform and new light fixtures.

Kiewit is requesting quotes for various areas of work listed in, but not limited to, the scopes of work below:

**Trash services, lead abatement, demolition, dewatering, axial pumps, ready mix supply, concrete reinforcing installation, concrete pumping, metals, stainless steel pipe, 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.

Responsive bidders must possess a valid California Contractor's license (as appropriate) and provide acceptable insurance. Responsible subcontractors and material contractors may 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 CBEs regarding participation on this project. For further information regarding this project, licensing, insurance, bonding, related assistance with equipment, supplies, and materials, or the project schedule, please contact our Lead Estimator.

From All Qualified Small Businesses (**SBE, WBE, VOSB, SDVOSB and HubZone**)  
Subcontractors/Sub-consultants/Suppliers/Vendors registered as a small business for:

**Retrofit Graving Dock, Facility #341, Naval Base San Diego**  
**Owner: NAVFAC Southwest**

**Reyes Construction is requesting quotes from Suppliers: Steel Piping and Accessories**  
**Please submit quotes by: August 19th, 2020**

**REYES CONSTRUCTION, INC.**

State License Number 507561  
1383 South Signal Drive, Pomona, CA 91766  
Phone: 909-622-2259 • Fax: 909-622-3053  
Contact: Brenda Martinez Mon-Fri 7am-4pm

Assistance will be available for obtaining Bonds, Lines of Credit, and/or Insurance, necessary equipment, supplies, materials or related assistance services.

Plans and Specifications can be obtained via iSqFt send your requests to [estimating@reyesconstruction.com](mailto:estimating@reyesconstruction.com)  
Please fax quotes to: 909.622.3053

**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:

**Russian River County Sanitation District Treatment Plant -**

**Seismic Retrofit of Secondary Clarifiers**

**Engineer's Estimate: \$2,200,000 - \$2,600,000**

**Bid Date & Time: September 1, 2020 at 2:00 P.M.**

**Project Location: Guerneville, CA**

WW has identified the following potential contracting opportunities for qualified subcontractors and suppliers on this project:

Demolition, Hazardous Material Abatement, Concrete, Metal Fabrications, Painting & Coating, Electrical & Instrumentation, Pipe, Fittings & Valves.

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](mailto: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



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

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

**CLAIRE LILIENTHAL SCHOOL 3-8 (SCOTT  
CAMPUS) MODERNIZATION**  
**SAN FRANCISCO, CA**  
**SFUSD Project #11901**

**BID DATE: August 18, 2020 @ 2:00pm**

**ESTIMATE: \$12,500,000**

**CONTACT:**

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

Trades needed but not limited to: Haz Mat/ Demo, Grading/Patch Paving/Seal Coat, Site Concrete, Structural Concrete, Shotcrete, Re-bar, FRP Strengthening, Playground Surfacing and Play Structure, CL Fencing, Decorative Terra Cotta Repairs, Electrical, Structural & Misc. Steel, Metal Decking, Casework, traffic Coating, Roofing, Door, Frames, Hardware, FRP/Alum Doors, Glass/ Glazing, Install Hardware, Rolling Fire Counter Door, Stage Curtains, Metal Studs/Drywall, Lath and Plaster, Ceramic Tile, Acoustic Ceiling, Wall Panels, Hardwood Flooring, Water Vapor Testing, Linoleum Flooring, Epoxy Flooring, Acoustic Insulation, Cork Wall Covering, Painting, Sheet Metal, HVAC, Plumbing, Joint Sealants, Roof Hatch, Access Doors, Louvers, FRP Panels, Marker/Tack Boards, Signage, Toilet Partitions, Toilet Accessories, Fire Extinguisher Cabinets, Projection Screens and Supports

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

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

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



# Public Legal Notices



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

**Sourcing Event ID No. 000003294  
(PW TRAF RAIL REPL RICHLAND BRD)  
Contract No. 1000006287  
TRAFFIC RAILING REPLACEMENT AT  
RICHLAND AVENUE BRIDGE**

Bids will be received online via file upload until **2:30:00 p.m. on September 2, 2020**, after which they will be publicly opened and read online. Refer to Project Manual for further details regarding submission of Bids and Bid opening. 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](http://www.sfpublishworks.org/biddocs). Please visit the Contracts, Bids and Payments webpage at <https://stgint.sfdpw.org/Pages/Contract.aspx> for more information. Notices regarding Addenda and other bid changes will be distributed by email to Plan Holders.

The Work is located along Richland Avenue Bridge above San Jose Avenue in San Francisco, California and consists of bridge traffic railing replacement, demolition, electrical and streetlight work, traffic routing, and all related work. The time allowed for completion is 300 consecutive calendar days. The Engineer's estimate is approximately \$1,800,000. For more information, contact the Project Manager, **Raymond Lui** at 628-271-2624 or [Raymond.Lui@sfdpw.org](mailto:Raymond.Lui@sfdpw.org).

**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 1**. 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 contracting in states with laws that allow discrimination. The City is prohibited from entering into any Contract with a Contractor that has its United States headquarters in a state on the Covered State List or where any or all of the work on the contract will be performed in any of those states on the Covered State List. Administrative Code Chapter 12X and a list of states on the Covered State List can be found at: <http://sfgsa.org/chapter-12x-anti-lgbt-state-ban-list>.

The Specifications include liquidated damages. Contract will be on a Lump Sum Bid Items With Unit Prices 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 be applied as per Administrative Code Chapter 14B. LBE Subcontracting Participation Requirement is 20%. Email Antonio Tom at [Antonio.Tom@sfgov.org](mailto:Antonio.Tom@sfgov.org) 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 meeting will be held by conference call on Thursday, August 13, 2020 starting at 2:00 p.m.**

Refer to Section 00 21 13 Appendix B for a guide to joining a Microsoft Teams meeting.

#### **Join Microsoft Teams Meeting**

[https://teams.microsoft.com/d1/launcher/launcher.html?url=%2f\\_%23%2f%2fmeetup-join%2f19%3ameeting\\_OGI2YjhhMjAtMzlmYi00OWU5LTg0ZWItNTQxZjg0NGQ3Y2Vj%40thread.v2%2f0%3fcontext%3d%257b%2522Tid%2522%253a%25222d5c2cf-ce3e-443d-9a7f-dfc0231f73f%2522%252c%2522Oid%2522%253a%2522cd5057d3-263b-474c-a0e3-aa351538f267%2522%257d%26CT%3d1596481993551%26OR%3dOutlook-Body%26CID%3d9516F13A-093A-4792-8A10-D2D7BF5004B4%26anon%3dtrue&type=meetup-join&deeplinkId=c870-d1c6-d5af-4ce2-aa57-74f6240a5943&directDl=true&msLaunch=true&enableMobilePage=false&suppressPrompt=true](https://teams.microsoft.com/d1/launcher/launcher.html?url=%2f_%23%2f%2fmeetup-join%2f19%3ameeting_OGI2YjhhMjAtMzlmYi00OWU5LTg0ZWItNTQxZjg0NGQ3Y2Vj%40thread.v2%2f0%3fcontext%3d%257b%2522Tid%2522%253a%25222d5c2cf-ce3e-443d-9a7f-dfc0231f73f%2522%252c%2522Oid%2522%253a%2522cd5057d3-263b-474c-a0e3-aa351538f267%2522%257d%26CT%3d1596481993551%26OR%3dOutlook-Body%26CID%3d9516F13A-093A-4792-8A10-D2D7BF5004B4%26anon%3dtrue&type=meetup-join&deeplinkId=c870-d1c6-d5af-4ce2-aa57-74f6240a5943&directDl=true&msLaunch=true&enableMobilePage=false&suppressPrompt=true)

+1 415-906-4659 United States, San Francisco (Toll)  
Conference ID: 723 736 112#

For information on the City's Contractor Development Program, call (415) 986-3999 or [bond@imwis.com](mailto: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" or "C-8"** license required to bid.

In accordance with Administrative Code Chapter 6, no bid is accepted and no contract in excess of Threshold 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.

8/13/20

**CNS-3386933#**

**SMALL BUSINESS EXCHANGE**





# Public Legal Notices



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

Sourcing Event ID No. 000003159  
PW TREAT PLZ IMPR  
Contract ID No. 1000016597  
TREAT PLAZA IMPROVEMENTS

Bids will be received online via file upload until **2:30:00 p.m. on September 9, 2020**, after which they will be publicly opened and read online. Refer to Project Manual for further details regarding submission of Bids and Bid opening. 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](http://www.sfpublishworks.org/biddocs). Please visit the Contracts, Bids and Payments webpage at [www.sfpublishworks.org](http://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 on the southwest corner of 16th Street at Treat Street and consists of sidewalk, paving, drainage, street light, traffic signal, site improvement, landscape, traffic routing, and all related work to construct a sidewalk bulb-out plaza. The time allowed for completion is 180 consecutive calendar days. The Engineer's estimate is approximately \$1,000,000. For more information, contact the Project Manager, **Michelle Woo** at 415-558-5262 or [Michelle.Woo@sfdpw.org](mailto:Michelle.Woo@sfdpw.org).

**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 1**. 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.



## GOLDEN GATE BRIDGE HIGHWAY & TRANSPORTATION DISTRICT

### NOTICE INVITING BIDS

The Golden Gate Bridge, Highway and Transportation District (District) seeks bids for Contract No. 2020-F-047, Ferry Fleet Scheduled Drydockings and Capital Improvements.

This Contract is subject to the requirements of Administrative Code Chapter 12X, which prohibits contracting in states with laws that allow discrimination. The City is prohibited from entering into any Contract with a Contractor that has its United States headquarters in a state on the Covered State List or where any or all of the work on the contract will be performed in any of those states on the Covered State List. Administrative Code Chapter 12X and a list of states on the Covered State List can be found at: <http://sfgsa.org/chapter-12x-anti-lgbt-state-ban-list>.

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 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 be applied as per Administrative Code Chapter 14B. LBE Subcontracting Participation Requirement is **20%**. Call Antonio Tom at 415-558-4059 or [Antonio.Tom@sfgov.org](mailto:Antonio.Tom@sfgov.org) 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 meeting will be held by conference call on Thursday, August 20, 2020 starting at 11:00 a.m.**

Refer to Section 00 21 13 Appendix B for a guide to joining a Microsoft Teams meeting. Join Microsoft Teams Meeting

[https://teams.microsoft.com/d1/launcher/launcher.html?url=%2f\\_%23%2f1%2fmeetup-join%2f19%3ameeting\\_OGI2YjhhMjAtMzlmYi00OWU5LTg0ZWItNTQxZjg0NGQ3Y2Vj%40thre ad.v2%2f0%3fcontext%3d%257b%2522Tid%2522%253a%25222d5c2cf-ce3e-443d-9a7f-dfcc0231f73f%2522%252e%2522Oid%2522%253a%2522e d5057d3-263b-474c-a0e3-aa351538f267%2522%2 57d%26CT%3d1596481993551%26OR%3dOutlo ok-Body%26CID%3d9516F13A-093A-4792-8A10-D2D7BF5004B4%26anon%3dtrue&type=meetup-join&deeplinkId=c870d1c6-d5af-4ce2-aa57-74f6240a5 943&directDl=true&msLaunch=true&enableMobilePa ge=false&suppressPrompt=true](https://teams.microsoft.com/d1/launcher/launcher.html?url=%2f_%23%2f1%2fmeetup-join%2f19%3ameeting_OGI2YjhhMjAtMzlmYi00OWU5LTg0ZWItNTQxZjg0NGQ3Y2Vj%40thre ad.v2%2f0%3fcontext%3d%257b%2522Tid%2522%253a%25222d5c2cf-ce3e-443d-9a7f-dfcc0231f73f%2522%252e%2522Oid%2522%253a%2522e d5057d3-263b-474c-a0e3-aa351538f267%2522%2 57d%26CT%3d1596481993551%26OR%3dOutlo ok-Body%26CID%3d9516F13A-093A-4792-8A10-D2D7BF5004B4%26anon%3dtrue&type=meetup-join&deeplinkId=c870d1c6-d5af-4ce2-aa57-74f6240a5 943&directDl=true&msLaunch=true&enableMobilePa ge=false&suppressPrompt=true)

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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.

8/13/20

**CNS-3388172#**

**SMALL BUSINESS EXCHANGE**

Interested Bidders must submit bids by way of upload to the District's Procurement Portal: <https://ggbhdt.bonfirehub.com> by Friday, September 18, 2020, at 4:00 p.m., PT, at which time bids will be publicly opened and read.

Requests for approved equals, modifications or clarifications of any requirement must be submitted in writing by Friday, August 28, 2020, at 4:00 p.m., PT.

The Bid Documents are available for download on the District's Procurement Portal. In order to download and respond to posted solicitations, Proposers will need to register. Once registered, to download the documents:

1) Go to the District's Procurement Portal: <https://ggbhdt.bonfirehub.com>.

2) Under "Action" column of "Open Public Opportunities" page, click on "View Opportunity" next to desired Project.

3) Scroll down to "Supporting Documentation" section to download documents.

For general questions regarding this Contract, please contact Javier Peraza, Senior Buyer, at (415) 923-2255.

/s/ Aida S. Caputo, Contracts Officer

Dated: 08/07/20

8/13/20

**CNS-3388110#**

**SMALL BUSINESS EXCHANGE**