

## Unlocking The Power Of Artificial Intelligence Should Be A Priority For Infrastructure Leaders



The TraPac LLC shipping terminal, seen over the Port of Los Angeles in Los Angeles, California, U.S., on Wednesday, March 9, 2016. (Tim Rue/Bloomberg)

By Ellis Talton and Remington Tonar,

Most municipal and private-sector infrastructure leaders seldom if ever think about how technologies like artificial intelligence (AI) and machine learning can help improve physical systems like roads, mass transit networks or water utilities.

Although many cities are starting to recognize the importance of data, only a handful are prioritizing data collection and even fewer are feeding that data to advanced algorithms that can improve decision-making. This is understandable since the public and private sector leaders responsible for our infrastructure typically have little time to think about the future while working tirelessly to ensure that people can get to work in the morning and that the water flows when people turn on the faucet.

Yet, the opportunities presented to infrastructure decision-makers by the advent of data analytics, AI and machine learning are fast becoming too compelling to ignore. From predicting where repairs or new infrastructure will be needed to automating mass transit to improving project management and contractor coordination to optimizing the movement of everything from cars to commodities, digital intelligence can help cut costs, increase efficiency and enhance outcomes.

For instance, Kansas City, Missouri, in partnership with Xaqt, is using machine learning algorithms to crunch information from in-road

sensors, video cameras, weather data and other sources to predict and preempt pothole development. Many cities rely on reports from drivers or have to manually review video camera imagery to identify potholes — a reactive, rather than proactive, approach that creates a backlog of repair work. Kansas City, however, is now able to predict potholes with an 85% accuracy rate, resulting in a 30% cost savings.

Pittsburgh, working with Rapid Flow Technologies, is installing artificially intelligent traffic lights that use machine vision and sensor data to adapt to road conditions in real-time rather than at set intervals. The system uses predictive algorithms to manage traffic lights dynamically and sends that data to adjacent intersections to optimize the entire signal network. This stands in stark contrast to most cities that are forced to manually program light times — a task that often necessitates time-consuming research. Pittsburgh's smart lights on the other hand are estimated to have reduced wait times by over 40%, translating into a 25% reduction in travel time.

Beyond roads, the adoption of artificial intelligence in more privatized infrastructure-related sectors such as shipping and energy has been even quicker. Los Angeles' TraPac terminal has invested heavily in AI and robotics over the last few years, making the terminal one of

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Small Business Exchange  
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# California Sub-Bid Request Ads

## BGI nibbi

**Project Name:** Sunnydale HOPE SF Block 6  
**Location:** San Francisco, California  
**Bid Date:** August 14, 2018 @ 2:00pm

**Pre-Bid Meeting:** July 30, 2018 @ 10:30am  
 Nibbi Office, 1000 Brannan Street, Suite 102, SF

**Labor Requirements:** Prevailing Wage

**Project Schedule:** May 2019 - July 2021

Baines Group, Inc. / Nibbi Brothers Joint Venture have been selected as the General Contractor for the Sunnydale HOPE SF Block 6 Housing in San Francisco, CA. We are in receipt of the 100% DD documents and are currently requesting bid proposals from qualified subcontractors and suppliers including those certified with the San Francisco Contract Monitoring Department (CMD) as local business enterprises (LBE's) for Design-Build MEPF, Solar Hot Water and Exterior Building Maintenance. The Contract Monitoring Division (CMD) has set the SBE participation goal for this project at 20%. All SBE and/or Non-SBE with SBE participation are strongly encouraged to submit. For more information about the San Francisco SBE program as it relates to this solicitation, please contact Ms. Rochelle Fretty or Romulus Asenloo at with the City and County of San Francisco Contract Monitoring Division at (415) 581-2301 or via email, [rochelle.fretty@sfgov.org](mailto:rochelle.fretty@sfgov.org) / [Romulus.asenloo@sfgov.org](mailto:Romulus.asenloo@sfgov.org). Please request bid docs for additional hiring goals. **Bids are due Tuesday, August 14, 2018 @ 2 PM. Please confirm your bidding status online through the BuildingConnected website.** Sunnydale HOPE SF Block 6 is a proposed residential housing development consisting of two Type-VA construction buildings over Type-IA construction. A grade level there will be a multi-purpose room along with tenant services, vehicle parking will be below grade and bike parking will be at lower level. The building surrounds a courtyard spaces for the residents and a public pedestrian mews is located on the east side of the building. The building design will incorporate sustainable building strategies to achieve the equivalent of GreenPoint Rated Gold Building requirements.

To access bid documents please contact Kristin Medwick, Senior Precon & Estimating Coordinator via email, [kristinm@nibbi.com](mailto:kristinm@nibbi.com). For specific questions regarding this project please contact Paris Paraskeva, Precon PM or Michael Cafferkey, Precon PM via email, [paris@nibbi.com](mailto:paris@nibbi.com) / [michaelc@nibbi.com](mailto:michaelc@nibbi.com).

Pacific Structures is seeking qualified and certified **MBE/WBE/SBE/LBEs** Subcontractors, Suppliers, for the project below:

**160 Folsom- 40 Story Condominium**  
**Location:** 160 Folsom, San Francisco, CA 94105  
**Bid Due Date:** September 1, 2018

**Description of work:**

Pumping/ Placing/ Finishing for Pads, Curbs, and Built-up Slabs

**Pacific Structures**

3004 16th Street • San Francisco, CA 94103  
**Phone:** (415) 606-3572  
**Contact:** Natalie Besser  
**Email:** [Natalie.Besser@pacific-structures.com](mailto:Natalie.Besser@pacific-structures.com)  
 An Equal Opportunity Employer



**BROSAMER & WALL, INC.**

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. 06-0Q2804**

**RECONSTRUCT LANES AND SHOULDERS WITH CRCP, MODIFYING ELECTRICAL SYSTEM CONSTRUCTION ON STATE HIGHWAY IN KERN COUNTY IN BAKERSFIELD ON ROUTE 99 FROM 0.3 MILES SOUTH OF PALM AVENUE OVERCROSSING TO BEARDSLEY CANAL BRIDGE AND ON ROUTE 178 AT ROUTE 99/178 SEPARATION.**

**Bid Closing Date: August 7, 2018 @ 2:00 PM**

Please come meet the B&W Team at the Mandatory Pre-bid July 19th @ 10:00 am  
 1824 Norris Rd., Bakersfield, CA

**DBE GOAL: 16%**

**CONTACT:**

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

**PROJECT SCOPE:**

**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:**

- AC DIKE
- AGGREGATE BASE & ASPHALT PAVING
- AGGREGATE SUPPLY
- ASPHALT OIL SUPPLY
- CLEAR AND GRUB
- CONCRETE AGGREGATE SUPPLY
- CONCRETE BARRIER TYPE 26A
- CONCRETE BARRIER TYPE 60
- CONCRETE CEMENT SUPPLY
- CONCRETE PAVEMENT MATERIALS
- CONSTRUCTION AREA SIGNS
- CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRCP)
- DEMOLITION
- DRILL AND BOND DOWELS
- EARTHWORK/GRADING/RDWY EXC.
- ELECTRICAL
- EROSION CONTROL
- FENCE
- GROUND ANCHOR - SUBHORIZONTAL
- IMPORT BORROW
- IRRIGATION - PERM & TEMP
- JOB SITE MANAGEMENT
- JOINT SEAL
- JOINTED PLAIN CONCRETE PAVEMENT
- K-RAIL
- LANDSCAPE
- LEAD COMPLIANCE PLAN
- METAL BEAM GUARD RAIL
- MINOR CONCRETE
- PERMANENT STRIPING/MARKING
- REBAR
- REMOVE CONCRETE PAVEMENT
- REMOVE CULVERT
- REMOVE/ADJUST INLETS
- ROADSIDE SIGNS
- ROCK SLOPE PROTECTION
- SAW CUT GREENSAW
- SHOTCRETE
- SIGN STRUCTURES
- STREET SWEEPING
- STRUCTURE CONCRETE - RETAINING WALL
- SURVEYING
- SWPPP
- TEMPORARY STRIPING
- TRAFFIC CONTROL
- TRUCKING
- UNDERGROUND - STORM DRAIN

**For the complete list of the Actual Project Bid Items go to:**  
<http://www.dot.ca.gov/des/oe/weekly-ads/oe-biditems.php?q=06-0Q2804>

**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 Robert Rosas 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 [rrosas@brosamerwall.com](mailto:rrosas@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 Robert Rosas Chief Estimator 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.



**SKANSKA • TRAYLOR • SHEA**

**Skanska-Traylor-Shea JV of 5055 Wilshire Blvd, Suite 700, Los Angeles, CA requests sub-bid quotes from certified DBE's for Project Fuel on the Westside Subway Extension Section 1 project. Owner: LACMTA (Metro). Contract No. C1045 RFP No. 066WS Bid Date: July 27, 2018 at 2:00pm.**

Plans & Specs can be viewed at our office Monday - Friday 8am to 4pm (call for appointment) or downloaded free at: <https://skanskausa.sharefile.com/i/i3f2aa23dc434bf1b>

Should you have any questions or desire to quote on this project, please contact Teresa Maxwell, DBE Coordinator at 213.598.2237 or [teresa.maxwell@skanska.com](mailto:teresa.maxwell@skanska.com). Assistance in bonding, insurance, lines of credit or obtaining equipment, supplies and materials is available upon request. This advertisement is in response to Metro's DBE program. Skanska-Traylor-Shea JV intends to conduct itself in good faith with DBE firms regarding participation on this project. More info about this project is available at [www.skanska-traylor-shea.com](http://www.skanska-traylor-shea.com).

Skanska-Traylor-Shea JV is an EEO/AA/Vet/Disability Employer.



# California Sub-Bid Request Ads



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

Requests sub-bids from qualified California Unified Certification Program (CUCP) certified Disadvantaged Business Enterprise (DBE), Subcontractors, Consultants, and/or Suppliers seeking to participate in the Construction on State Highway in Sacramento County in and near Sacramento from 1.1 Miles South of Elk Grove Boulevard to American River Viaduct Project.

<http://www.dot.ca.gov/obeo/index.html>

Subcontractors and Suppliers for the following project:  
**I-5 American River Viaduct Lane Rehab Project**  
**Contract No. 02-0E1804**  
**Federal-Aid Project: ACSB11M-005-6(349)E**  
**Owner: Caltrans**  
**Bid Date: August 9, 2018 at 2:00 P.M.**  
**Disadvantaged Business Enterprises (DBEs)**

wanted for the following scopes, including, but not limited to:

AC Surfacing, Aggregate Supply and Install, Bridge Removal, CIDH Piling, CISS Piling, Clear and Grub, Cold Plane AC Pavement, Concrete Barriers, Concrete Pumping, Concrete Reinforcement, Concrete Supply, Core Concrete, Crack and Seat, Data Core, Decorative Railing, Earthwork, Electrical, Erosion Control, Fence Removal and Installation, Grind Existing Bridge Deck, Grind Existing Concrete Pavement, Ground Anchoring, Guardrail, High Friction Surface Treatment, HMA Dike, HMA Paving, Hydraulic Mulch and Dry Seed, Joint Seal, Lighting, Lime Stabilized Soil, Message Signs, Minor Concrete, Misc Metals, Pavement Markings & Striping, Paving Fabric, PCC Materials, Pedestrian Barricades, Pipe Supply, Polyester Concrete Overlay, Precast Concrete, Prepare Bridge Deck Surface, Remove/Relocate/Install Sign Structures, Roadside Signs, Sound Walls, Structural Shotcrete, Traffic Control Systems, Utilities, Vegetation Control, SWPPP, Survey, Biologist, Noise Monitoring, Environmental Compliance, Hazardous Material Abatement & Trucking, Trucking & Hauling, Sweeping, Water Trucks.

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 certified, DBE suppliers and subcontractors.

Assistance with obtaining necessary equipment, supplies, materials, or services for this project will be offered to interested certified suppliers and subcontractors.

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

**Subcontractor and Supplier Scopes are due**  
**August 3, 2018 and Quotes**  
**NO LATER THAN August 8, 2018 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 and to be able to receive bidding information, view plans and specifications.

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

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

**Davis-Bacon Act Applies**  
**Buy America Requirements Apply**  
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 DIR # 100001147



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

Requests sub-bids from qualified California Unified Certification Program (CUCP) certified Disadvantaged Business Enterprise (DBE), Subcontractors, Consultants, and/or Suppliers seeking to participate in the Construction on State Highway in Shasta County in and near Anderson from route 5/273 separation to 0.4 Miles South of Churn Creek Road overcrossing Project.

<http://www.dot.ca.gov/obeo/index.html>

Subcontractors and Suppliers for the following project:  
**I-5 Shasta County Bridges Project**  
**Contract No. 02-4C40V4**  
**Federal-Aid Project: ACSB11M-005-8(359)E**  
**Owner: Caltrans**  
**Bid Date: August 28, 2018 at 2:00 P.M.**  
**Disadvantaged Business Enterprises (DBEs)**

wanted for the following scopes, including, but not limited to:

AC Surfacing, Aggregate Supply and Install, Bridge Removal, Bat and Bird Exclusion Device, CIDH Piling, Clear and Grub, Cold Plane AC Pavement, Concrete Barriers, Concrete Pumping, Concrete Reinforcement, Concrete Supply, Core Concrete, Crack and Seat, CCTV, Crash Cushions, Data Core, Cable Railing, Earthwork, Electrical, Erosion Control, Fence Removal and Installation, Grind Existing Bridge Deck, Grind Existing Concrete Pavement, Ground Anchoring, Guardrail, K-rail, High Friction Surface Treatment, HMA Dike, HMA Paving, Hydraulic Mulch and Dry Seed, Joint Seal, Landscaping, Lighting, Lime Stabilized Soil, Message Signs, Minor Concrete, Misc Metals, Pavement Markings & Striping, Paving Fabric, PCC Materials, Pedestrian Barricades, Pipe Supply, Polyester Concrete Overlay, Precast Concrete, Prepare Bridge Deck Surface, Remove/Relocate/Install Sign Structures, Roadside Signs, Sound Walls, Structural Shotcrete, Traffic Control Systems, Utilities, Vegetation Control, SWPPP, Survey, Biologist, Noise Monitoring, Environmental Compliance, Hazardous Material Abatement & Trucking, Trucking & Hauling, Sweeping, Water Trucks.

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 certified, DBE 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**  
**August 24, 2018 and Quotes**  
**NO LATER THAN August 27, 2018 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 and to be able to receive bidding information, view plans and specifications.

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

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

**Davis-Bacon Act Applies**  
**Buy America Requirements Apply**  
**An Equal Opportunity Employer**  
 CA Lic. 433176  
 DIR # 100001147

## Power Of Artificial Intelligence

Continued from page 1

the nation's most automated seaports. Shipping giant DHL has developed an AI-based application to predict freight delays a week in advance. In energy, electrical utilities like Florida Power & Light and Duke Energy are using machine learning and pattern recognition algorithms to detect potential plant issues before they cause service disruptions. Many of these same utilities use machine learning to increase windmill efficiency and reduce maintenance costs.

In other sectors, like water, AI has been slower to catch on but is starting to make waves. Imagine H2O, a nonprofit water technology startup accelerator in San Francisco, chose two AI startups out of 12 total companies for its 2018 accelerator cohort. One of those startups, Pluto AI, uses artificial intelligence to predict plant conditions and recommend optimal operating parameters for water treatment plants. The company is already testing its solution at plants around the country and has successfully helped the Hallsdale-Powell utility district in Tennessee manage overflows at one of its wastewater treatment plants.

The opportunities for improved efficiency and effectiveness presented by artificial intelligence and machine learning are simultaneously immense and daunting.

As the infrastructure world becomes saturated with progressively sophisticated digital technologies, public and private sector infrastructure leaders will be forced to adopt a new base of knowledge and new set of skills. Many of these decision makers are accomplished engineers, but with mechanical, civil, structural or electrical backgrounds. Their expertise and experience remains valuable and relevant, but must today be augmented by perspectives from computer science and software engineering in order to meet the demands and expectations of today's citizen-consumers. These changes also mean officials will have to source new partners and vendors — ones like Xaqt, Rapid Flow Technologies and Pluto AI that can supplement traditional infrastructural intelligence with digital intelligence.

As a growing number of municipalities set their sights on becoming "smart cities," it's important to remember that automation, sensors and data are only the beginning. Once you've established more automated systems and collected more granular data, you have to figure out what to do with it. Artificial intelligence and machine learning can help shoulder that burden by managing those systems and making use of that data, marrying physical and digital technologies in ways that help maintain the infrastructure we have while improving it in ways we never thought possible.

SOURCE: [www.forbes.com](http://www.forbes.com)



# California Sub-Bid Request Ads



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

Clear & Grub, Imported Borrow, Fence & MBGR, Landscape, Erosion Control, Cold Plane, AC Paving, Rebar, Rock Slope Protection, Stripe & Mark, Traffic Control, Bore & Jack, Pipe Lining, Compaction Grouting, SWPPP, Project Schedule, Aggregate, K-Rail, Misc. Iron & Steel, CSP, Ready Mix Concrete

**CONSTRUCTION ON STATE HIGHWAY IN SAN BERNARDINO COUNTY  
AT 2.9 MILES SOUTH OF OLD CITY CREEK ROAD  
In District 08 On Route 330**

**Contract No. 08-1F8304 Federal-Aid Project ACST-S330(011)E  
DBE Goal 13%**

**BID DATE July 26, 2018 @ 2:00 p.m.**

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

**Sukut Construction, LLC**

**4010 W. Chandler Avenue, Santa Ana, CA 92704**

**Contact: Matt Bahnsen**

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

Plans/specs are available for viewing at our office by appointment, via Sukut's FTP site, or may be obtained from Owner. Subcontractors must be prepared to furnish 100% performance and payment bonds and possess current insurance and workers' comp coverage. Sukut Construction will assist Qualified Subcontractors in obtaining bonds, insurance, and/or lines of credit. Please contact Sukut for assistance in responding to this solicitation. Subcontractors/Vendors will be required to sign Sukut's Standard Subcontract/Purchase Order. Copies are available for examination.

Sukut Construction's listing of a Subcontractor in its bid to the agency is not to be construed as an acceptance of all of the Subcontractor's conditions or exceptions included with Subcontractor's price quotes. Quotations must be valid for the same duration as specified by Owner for contract award.

**Sukut Construction, LLC  
An Equal Opportunity Employer**



**3721 Douglas Blvd., #180 Roseville, CA 95661  
Phone: 916-786-3833 Fax: 916-786-3234**

### INVITATION TO BID

#### SAN JUAN USD DEL PASO MANOR NEW ELEMENTARY SCHOOL

**McCarthy Building Companies, Inc. is requesting quotes from all certified DVBE subcontractors  
Bids will be accepted on or before August 21st, 2018 at 2PM.**

- Via "BuildingConnected" <https://app.buildingconnected.com>
- by email to Jason Dreier [jdreier@McCarthy.com](mailto:jdreier@McCarthy.com)
- or Delivered to McCarthy Building Companies, 3721 Douglas Blvd., #180 Roseville, CA 95661

#### Project Description:

This project is a public works project. The project generally consists of 49,000 SF: Construction of a new Administration Building, Multi-Purpose/Administrative Building, and two Classroom Buildings, concurrent with modifications to the existing Site and Utilities. The existing school campus will be abated and demolished. The project will include all scopes of work typical of a new school construction project replacing an existing school campus including, but not limited to: demolition, abatement, concrete, reinforcing, structural steel, miscellaneous metals, rough carpentry, glazing, fiber cement panels, waterproofing, sealants, tile, flooring, wood paneling, acoustical ceiling, kitchen equipment, mechanical, electrical, plumbing, and fire protection. **McCarthy is seeking bids from qualified DVBE contractors.** This project is subject to the regulations set forth by AB 566.

**Request for Clarification: Deadline for the Request for Clarification is August 3rd, 2018 by 1:00PM.** Request shall be sent to Jason Dreier via email at [jdreier@McCarthy.com](mailto:jdreier@McCarthy.com).

100% Performance and Payment Bonds will be required from an approved surety for contracts over \$200,000 or enrollment into McCarthy's Contractors Controlled Insurance Program (CDI).

Subcontractors will be enrolled into the RCCIP, but the program does not cover all exposures. Subcontractors are still obligated to provide evidence of the applicable insurance policies for items the RCCIP does not cover, such as: Auto Collision & Liability, Professional Liability, Pollution Liability, Property/Equipment and Off-site Operations.

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**Kiewit**

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

Requests quotes/bids from qualified Subcontractor, Service Providers, Consultants, and/or Suppliers seeking to participate in the East Bay Municipal Utility District, South Interceptor 3rd Street Rehab Phase 2 Project in Oakland, CA.

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

[http://www.dot.ca.gov/hq/bep/find\\_certified.htm](http://www.dot.ca.gov/hq/bep/find_certified.htm)

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

<http://sf-hrc.org> / <http://www.portofoakland.com/srd>

Subcontractors and Suppliers for the following project:

**South Interceptor 3rd Street Rehabilitation**

**Phase 2 Project**

**Specification No. SD-392**

**Owner: East Bay Municipal Utility District**

**Bid Date: August 22, 2018 @ 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, Anchor Systems, Concrete, Concrete Forming, Concrete Pumping, Concrete Supply, Concrete Reinforcement Supply & Install, Precast Concrete, CCTV Pipe Inspection, Dewatering, Demolition, Excavation, Injection Grouting, FRPM Sliplining Pipe, PVC Liner for Pipe, Street Sweeping, SWPPP, Surveying, Trucking, Water Truck.

Bonding, insurance, and any technical assistance or information related to the plans or specification and requirements for the work will be made available to interested 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**

**August 17, 2018 and Quotes**

**NO LATER THAN August 21, 2018 at 5 PM.**

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

All subcontractors that are registered in our SBN database will receive an invitation to bid.

Please visit <http://www.kiewit.com/districts/northern-california/overview.aspx> to register your company to be able to receive bidding information, Plans and Specifications.

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

**An Equal Opportunity Employer**

**CA Lic. 433176  
DIR # 1000001147**



# California Sub-Bid Request Ads

PROJECT: State Highway in Kern County Route 99, Bakersfield, CA  
Project # 06-0Q2804

OWNER: CALTRANS – DBE GOAL 16%  
BID DATE: AUGUST 7TH, 2018 BID TIME: 2:00 P.M.  
\*\*Please respond by 5:00 p.m., AUGUST 6ST, 2018\*\*

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

- TRUCKING / IMPORT BORROW
- EQUIPMENT RENTAL
- LEAD COMPLIANCE PLAN / ADL WORK
- SWPPP / WPC
- SURVEY / QC
- CONSTRUCTION AREA & ROADSIDE SIGNS
- PAVEMENT MARKING / STRIPING
- TRAFFIC CONTROL
- WATER TRUCK
- EARTHWORK / GRADING / ROADWAY EXCAVATION
- EROSION CONTROL
- METAL BEAM GUARD RAIL (MBGR) / FENCING
- K RAIL
- CONCRETE SAWCKET & SEALING
- STREET SWEEPING
- REBAR
- CONCRETE / MINOR CONCRETE
- ASPHALT / ASPHALT PAVING / ASPHALT DIKE
- COLD PLANING / PULVERIZING
- CLEAR & GRUB
- ELECTRICAL
- LANDSCAPING
- ROCK SLOPE PROTECTION
- STORMDRAIN / UNDERGROUND UTILITIES
- AGGREGATE SUPPLY / AGGREGATE BASE
- DEMOLITION / BRIDGE REMOVAL
- CONCRETE BARRIER

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

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

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

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

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



9685 Via Excelencia, Ste 200 • San Diego, CA 92126

Phone: (858) 536-3100 • Bid Fax: (858) 586-0164 • e-mail inquiries to: [estimating@coffmanspecialties.com](mailto:estimating@coffmanspecialties.com)



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

REQUEST FOR DBE  
SUBCONTRACTORS AND SUPPLIERS FOR:  
**Cold plane, place HMA & RHMA, replace railings & signs  
Hwy 128 Mendocino County  
Caltrans #01-415504  
BID DATE: August 1, 2018 @ 2:00 PM**

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

Trucking, Lead Compliance Plan, Construction Area Signs, Traffic Control System, Portable Changeable Message Sign, WPCP, Treated Wood Waste, Clearing & Grubbing, Crack Treatment, Preparing Inertial Profiler, Preparing Grinding, Geosynthetic Pavement Interlayer (Paving Grid), Data Core, Tack Coat, Cold Plane AC, Guard Railing Delineator, Pavement Marker, Object Marker, Roadside Signs, Midwest Guardrail System, Vegetation Control (Minor Concrete), Vegetation Control MAT, HMA Testing, Concrete Barrier, Striping & Marking and Construction Materials

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100% Performance & Payment Bonds may be required. Worker's Compensation Waiver of Subrogation required. Please call OCJ for assistance with bonding, insurance, necessary equipment, material and/or supplies. OCJ is willing to breakout any portion of work to encourage DBE Participation. Plans & Specs are available for viewing at our office or through the Caltrans Website at [www.dot.ca.gov/hq/esc/oe/weekly\\_ads/index.php](http://www.dot.ca.gov/hq/esc/oe/weekly_ads/index.php).

## Drywall Waste Explored as Building System

By *Tim Newcomb*,

A team from Washington State University wants to take one of the construction industry's largest source of waste and turn it into a plausible building solution. And the project will next move beyond the laboratory and into scale with a demonstration structure.

Roughly half of the construction industry's waste stream comes from low-value drywall. A 2,000-sq-ft home can generate more than a ton of the gypsum board product. When put into landfills, it gets even worse, as soil bacteria decompose the gypsum and create a noxious gas.

The Washington State University team in Pullman includes Taiji Miyasaka, professor in the School of Design and Construction; David Drake, adjunct faculty in the School of Design and Construction; and Robert Richards, a professor in the School of Mechanical and Materials Engineering. The group started developing drywall blocks in 2017 with a grant from the American Institute of Architects.

The trio recently received an Amazon Catalyst grant to move from the lab to scale.



Researchers from Washington State University exploring drywall waste as a building solution. COURTESY WSU

■ Continued on page 7



# California Sub-Bid Request Ads



Sukut Construction seeks quotes from certified & qualified DBE/SBE/MBE/WBE/SBRA/LSAF/HUB Subcontractors, Suppliers, and Service Providers for the following (but not limited to) work:

**SWPPP, Fence & Gates, Concrete Structures, Drainage Structures, Electrical, Chlorination & Testing, Concrete Flat Work, Rebar, AC Paving, Submersible Well Pumps, Aggregates, CML/C, DIP, C-900 PVC Pipe, Fiberglass Tank**

## PIONEERTOWN PIPELINE PROJECT

CSA 70, ZONE W4

on

HDWD Well 2w site nearest 55914 Sunland Drive, Yucca Valley, CA.

for

County of San Bernardino

County Service Area 70, Zone W4, Pioneertown, CA

Project No.: 1Z27

**BID DATE August 15, 2018 @ 2:00 p.m.**

Sub & Vendor Bids Due Prior

## Sukut Construction, LLC

4010 W. Chandler Avenue, Santa Ana, CA 92704

Contact: Rick Welshiener

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

Plans/specs are available for viewing at our office by appointment, or via Sukut FTP. Subcontractors must be prepared to furnish 100% performance and payment bonds and possess current Contractor's License, DIR registration, insurance and workers' comp coverage. Sukut Construction will assist qualified subcontractors in obtaining bonds, insurance, and/or lines of credit. Subcontractors/Vendors will be required to sign Sukut's Standard Subcontract/Purchase Order. Copies are available for examination. Please contact Sukut Construction for assistance in responding to this solicitation.

Sukut Construction's listing of a Subcontractor in its bid to the agency is not to be construed as an acceptance of all of the Subcontractor's conditions or exceptions included with Subcontractor's price quotes. Quotations must be valid for the same duration as specified by Owner for contract award.

**Sukut Construction, LLC**  
An Equal Opportunity Employer



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

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

Contact: Paul Brizzolara • Email: [estimating@graniterock.com](mailto:estimating@graniterock.com)

## REQUESTING SUB-QUOTES FROM QUALIFIED SBE FIRMS SUBCONTRACTORS/SUPPLIERS/TRUCKERS FOR:

**Uvas Creek Levee Rehabilitation Project, Phase I • Contract No. C0643**

Owner: Santa Clara Valley Water District

Engineers' Estimate: \$4,500,000.

**BID DATE: August 8, 2018 @ 2:00 PM**

Items of work include but are not limited to: Survey, SWPPP, Temporary Construction Fence, Chain Link Fabric Mesh, Hydroseeding, Levee Excavation, Tree Removal 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.

**We are an Equal Opportunity Employer**



11555 Dublin Boulevard • P.O. Box 2909  
Dublin, CA 94568-2909

(925) 829-9220 / FAX (925) 803-4263

Estimator: **VICTOR LE / JACK SHEWMAKER**

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

An Equal Opportunity Employer

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

**CALTRANS ROUTE 5 – CONSTRUCTION ON STATE  
HIGHWAY IN SACRAMENTO COUNTY IN AND NEAR  
SACRAMENTO FROM 1.1 MILES SOUTH OF**

**ELK GROVE BOULEVARD TO**

**AMERICAN RIVER VIADUCT**

Contract No. 03-0H10U4,

Federal Aid Project No. ACSB11M-005-6(349)E

Disadvantaged Business Enterprise Goal

Assigned is 16%

OWNER:

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

1727 30th Street, Bidder's Exchange, MS 26,

Sacramento, CA 95816

**BID DATE: AUGUST 9, 2018 @ 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, BIOLOGIST CONSULTANT, BRIDGE DECK RESURFACING, BRIDGE, CLEARING AND GRUBBING/DEMOLITION, CONCRETE BARRIER, CONSTRUCTION AREA SIGNS, CRACK & SEAT CONCRETE, ELECTRICAL, EROSION CONTROL, FABRIC/GEO-SYNTHETIC PAVEMENT INTERLAYER, FENCING, LIME TREATMENT, METAL BEAM GUARDRAIL, MINOR CONCRETE, MINOR CONCRETE STRUCTURE, PCC GRINDING, PCC PAVING, PUMP STATION, ROAD-SIDE SIGNS, SIGN STRUCTURE, SOIL NAIL, STRIPING, SWPPP/WATER POLLUTION CONTROL PLAN PREPARATION, TEMPORARY EROSION CONTROL, TRAFFIC CONTROL SYSTEMS, UNDERGROUND, VEGETATION CONTROL, TRUCKING, WATER TRUCKS, STREET SWEEPING, CLASS 2 AGGREGATE BASE MATERIAL, HOT MIX ASPHALT (TYPE A) MATERIAL, RUBBERIZED HMA (OPEN 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) 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 Victor Le or 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/SB-TRCs](http://www.transportation.gov/osdbu/SB-TRCs)). DGC is willing to breakout portions of work to increase the expectation of meeting the DBE goal.

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



# California Sub-Bid Request Ads

Requesting For Certified **MBE, WBE, LBE, SLBE, SBE** Subcontractors & Suppliers for  
**The County of Alameda Boiler Upgrade projects at:**

**Santa Rita Jail - Project #17028**  
**Juvenile Justice Center - #18012**  
**Glenn Dyer Detention Facility - #17033**

**Bid Date: August 7, 2018 at 2:00 PM**

Proposals requested for the following trades:

- General Contracting
  - Demolition
  - Insulation
- Pipes, Valves and Fitting Supplies
  - Test and Balance

Bid documents can be downloaded at:

JJC: [http://www.acgov.org/gsa\\_app/gsa/purchasing/bid\\_content/contractingdetail.jsp?BID\\_ID=1979](http://www.acgov.org/gsa_app/gsa/purchasing/bid_content/contractingdetail.jsp?BID_ID=1979)

SRJ: [http://www.acgov.org/gsa\\_app/gsa/purchasing/bid\\_content/contractingdetail.jsp?BID\\_ID=1983](http://www.acgov.org/gsa_app/gsa/purchasing/bid_content/contractingdetail.jsp?BID_ID=1983)

GDDF: [http://www.acgov.org/gsa\\_app/gsa/purchasing/bid\\_content/contractingdetail.jsp?BID\\_ID=1984](http://www.acgov.org/gsa_app/gsa/purchasing/bid_content/contractingdetail.jsp?BID_ID=1984)

We will assist interested firms in obtaining bonds, lines of credit and/or insurance if necessary.

**Mesa Energy Systems Inc.**  
 14450 Doolittle Drive • San Leandro, CA 94577  
 Phone: 510-670-1690 • Fax: 510-670-1698  
 Contact: Jeremy Ransom

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**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 Small Business (SB) subcontractors, suppliers, and truckers for the following project:

**M-LINE TUNNEL LIGHTING UPGRADE**  
**VARIOUS STATIONS IN SAN FRANCISCO**  
**BART #15AA-110**

**Bids: 08/07/2018 @ 2 pm**  
**LSB GOAL – 18%**

The work in this contract includes but is not limited to: Selective Structure Demo; Haz Mat's Abatement; Concrete Restoration/Reinforcing/Finishing; Metal Welding; Cold-Formed Mtl Framing; Metal Fabrications; Firestopping; Joint Protection; Painting; Identification of Facility Services; Electrical;

PMI will provide assistance in obtaining necessary bonding, insurance, equipment, supplies, materials or other related services. 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 510-671-0000. PMI is signatory to the Operating Engineers, Carpenters, and Laborers Collective Bargaining Agreements.

We are an Equal Opportunity Employer



3200 Park Center Dr., Suite 600 | Costa Mesa, CA 92626  
 Bid Manager: Pablo Moreno  
 TEL: (657) 229-7800 | pmorenol@dragados-usa.com  
 Outreach: Arinda Cale  
 TEL: (949) 239-2431 | acale@dragados-usa.com  
 Equal Opportunity Employer  
 Invitation to Bid

Subcontractors, Vendors, Material Suppliers, and Professional Services for:  
**JOINT WATER POLLUTION CONTROL PLANT EFFLUENT OUTFALL TUNNEL**

**OWNER: County Sanitation District No. 2**  
**LOCATION: Los Angeles, California**  
**OUR QUOTE DEADLINE: September 13, 2018, COB**  
**BID DEADLINE: September 17, 2:00pm**

\*M/WBE Participation is encouraged\*

Plans and Specifications are available free of charge

**Quotes for Services & Supplies requested for the following items for bid including, but not limited to:**

AC PAVING	FENCE & RAIL	SWPPP
AMENITIES	HAULING & DISPOSAL	TRAFFIC SIGNAL
BARRIER	INSTRUMENTATION & CONTROL	PAINTING/COATINGS
CONCRETE FLATWORK	SURVEYING	RCPI/PVC
CONCRETE TUNNEL LINER	TRAFFIC CONTROL	REBAR INSTALLATION
DEMOLITION	STEEL TUNNEL LINER	SAND & GRAVEL
SUPPORT OF EXCAVATION	LANDSCAPING	SIGN STRUCTURE
TESTING	LIME TREATMENT	SIGNING & STRIPING
VIBRATION MONITORING	MISC. STEEL	SITE RESTORATION
DEWATERING	NOISE MONITORING	TEMPORARY SOUNDWALL
ELECTRICAL	POTHOLING	TRUCKING
EROSION CONTROL	QA/QC	

Subcontractors must be registered in good standing with the California Department of Industrial Relations (DIR) prior to submitting a bid for work on this project.

100% performance and payment bonds may be required for the full amount of the subcontract price. Dragados will assist with obtaining bonding, lines of credit, and insurance. Please Contact Arinda Cale if assistance is needed with regards to bonding & Insurance.

Dragados will analyze and consider each quote received, including those that are broken down into economically feasible units to facilitate bidding.

Dragados is committed to ensuring that subcontractors and vendors have the maximum opportunity to successfully perform on this project, and to making good faith efforts to utilize small, minority, women, disadvantaged and local business enterprises.

## Drywall Waste Explored as Building System

Continued from page 5

The first real public example of their work is on display at the Washington State History Museum in Tacoma under the exhibit "Make/Do: A History of Creative Reuse". The display shows how the drywall bricks, made from 80% drywall waste and a binder from industrial products, not only solves a waste problem, but also offer a building solution in a world of rising materials costs. As building construction waste continues to grow—in 2014, contractors disposed of 534 million tons of waste, tripling the number from 2003—the lack of affordable housing remains an issue.

The blocks, lighter than earth blocks, bricks or concrete blocks come waterproof and fire resistant. Now the researchers want to partner with local contractors to get additional waste and use architecture students to use a press to build the blocks, which look similar to masonry bricks.

"The bricks are similar to adobe or compress-earth blocks," Drake says in a WSU release, "but our blocks are superior, especially for insulation."

In the next year, reports WSU, the researchers will test the blocks to meet building, seismic and fire codes. They also aim to build a 160-sq-ft demonstration structure.

SOURCE: [www.enr.com](http://www.enr.com)