

How to make sure a robot doesn't take your job



Image credit: REUTERS/Thomas Peter

By Kayla Matthews

The debate over artificial intelligence is tricky.

On one hand, as AI becomes more sophisticated, it will make our lives much easier by performing complex tasks in the blink of an eye. In theory, that could save businesses huge amounts of time and money.

On the other hand, the rise of AI could lead to many potential pitfalls. Some worry that AI could one day replace large swaths of middle-class jobs. Further, if AI becomes so sophisticated that it develops its own willpower, there will be a whole new set of science fiction-like issues to deal with.

Even the brilliant Stephen Hawking is on the fence when it comes to AI, calling it either the best thing or worst thing for humanity. Who knows!

We clearly can't predict how much AI will evolve in our lifetimes. But here are five things you can do right now to help prevent yourself from getting replaced by AI technology.

1. Become an AI trainer or explainer

There seems to be a real possibility that AI technology could replace large numbers of jobs across varying industries. What's often overlooked, however, is that the rise of AI will create many jobs as well.

This includes AI trainers, or humans that teach AI systems how they should perform. For example, some companies use chatbots to help deal with customer service demands, but those programs need constant tweaking and updating from humans to help them understand the vast

subtleties of human interaction. The rise of AI will also create demand for explainers, or those who can explain the technology to others.

2. Develop specialized skills

AI has the potential to handle all manners of tasks, including ones you may not have even thought of yet. Before that happens, AI first needs to learn the wide variety of tasks that workers perform every day. That means the more specialized your talents and skillsets, the longer it will likely be before AI replaces you.

The examples vary by industry. If you're in the health-care field as a nurse, it will be helpful to learn and understand tasks and processes that wouldn't be easy to teach a machine to do. These tend to be soft skills, which machines obviously have a much harder time emulating than most humans.

Additionally, you can consider getting a job that encompasses a broad set of skills within a unique niche. For example, industrial mechanics can find jobs in a wide variety of industries, including aviation, appliances, automobiles, construction, electronics, and energy.

3. Be creative

It seems obvious, but it's worth stating: The first jobs AI will devour are those that require large amounts of analytics with very little creative thinking. Professionals in highly creative fields — like artists, computer programmers, musicians, writers, architects, and advertising experts — should be immune to losing out to AI, at least in the early stages of development.

Generally speaking, the more creative you have to be to accomplish your job's requirements,

the less likely it is you'll someday be replaced by AI technology. There is one obvious caveat here, however. Not everybody is born creative, and creativity isn't something you can readily teach, like math or science.

The degree of creativity necessary in a given position also plays a role. For example, for now, at least, only a human can write a news story that includes real reporting, such as interviews with eyewitnesses and human analysis.

That's not the case for data-driven stories such as financial reporting, however. Already, some of this work is handled by software applications, since it mainly depends on the data rather than human emotion and analysis.

4. Embrace manual labor

Manual labor isn't the most glamorous type of work and, in many cases, doesn't pay well. That could change in the age of AI, considering many manual labor tasks can be difficult for machines to learn.

Continued on page 8

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California Sub-Bid Request Ads



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:

**BART EARTHQUAKE SAFETY PROGRAM AERIAL STRUCTURES
FRUITVALE STATION AND COLISEUM STATION**

Contract No. 15PJ-130B

Bid Closing Date: JUNE 6, 2017 @ 2:00 PM

DBE GOAL: 12%

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:

The work in this Contract includes but is not limited to providing structural retrofit of pier foundations, columns and pier caps; demolition of selected existing facilities; shoring for excavation support; excavation; steel and concrete structure retrofit at girders, and stairs; drilling and bonding dowels in concrete; electrical work at piers and the main concourse, defined as the covered area between station entrances; architectural work at stairs and curtain walls, retrofit of escalator trusses, restoration of paving, striping, sidewalks, signage, traffic control, utilities. Optional Work; Breakrooms improvements at Coliseum station and/or Fruitvale station may be included at the discretion of the District as described in the Contract Documents. Duration of Project is 1200 Calendar Days.

Note: This project includes a Buy America Clause and Owner Controlled Insurance Program (OCIP)

Subcontractors and Suppliers being solicited include but not limited to:

Construction Staking, Traffic Control System, Project Signs, Construction Area Signs, Construction Site Mgmt., Prepare SWPPP, Rain Event Action Plan, Storm Water Annual Report, Temporary SWPPP Devices, Street Sweeping, Temporary Concrete Washout, Temporary Fence (Type ESA), Abatement (Asbestos/Lead) & Demolition, Select Structure Concrete Removal, Pre-Stressing/Post Tensioning, Concrete Reinforcing, Concrete Reinforcing (Foundation), Cast-in-Place Concrete, Cast-in-Place Concrete (Foundation), Drill and Bond Dowels, Drill and Bond Dowels (Chemical Adhesive), Fiber Reinforced Polymer Column Casing, Structural Steel Framing, Architectural Work (Aluminum Walls, Glazing and Storefronts), Fire Suppression, Plumbing & HVAC, Electrical and Communication, Earthwork, Shoring and Underpinning for Safeguarding Structures, Asphalt Paving, Concrete Paving, Minor Concrete (Concrete Curbs, Gutters, and Walks), Signage and Pavement Markings, Chain Link Fences and Gates, Utilities, Building General Contractors for Breakroom(s) Optional Improvements, Temporary Fence, Trucking, Portable Toilets, Concrete Supply and Placement.

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 the Districts Offices for plan room locations please call BART at 510-851-3174. B&W will also make plans electronically please email 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.

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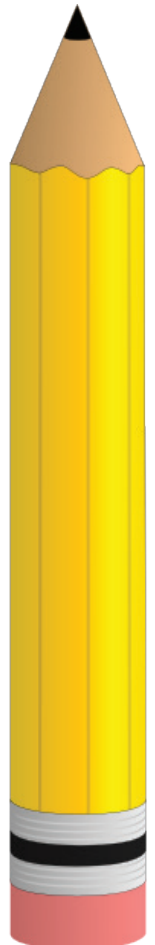
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California Sub-Bid Request Ads

GOLDEN GATE CONSTRUCTORS

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

Estimator: ALAN MCKEAN
Website: www.desilvagates.com
An Equal Opportunity Employer

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

**SOUTH MCDONNELL ROAD
REALIGNMENT PROJECT –
TBP NEW ROADWAY,
Contract No. 10515.71 TBP 0009,
Local Business Enterprise Goal
Assigned is 30%**

**OWNER:
CITY AND COUNTY OF SAN FRANCISCO
c/o WEBCOR BUILDERS
San Francisco International Airport,
676 North McDonnell Road,
San Francisco, CA 94128**

BID DATE: June 2, 2017 @ 2:00 P.M.

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

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

Plans and specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:17pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from the Owner.

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

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

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

DESILVA GATES CONSTRUCTION

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

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

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

**IFB NUMBER 167808, AT PALO ALTO AIRPORT,
PALO ALTO, CA.**

**Disadvantaged Business Enterprise Goal
Assigned is 11.2%**

**OWNER:
CITY OF PALO ALTO
250 Hamilton Avenue, Palo Alto, CA 94301
Bid Date: JUNE 7th, 2017 @ 3:00 P.M.**

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

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

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or 7700 College Town Drive, Sacramento, CA, or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from the Owner's site available through the City of Palo Alto's Purchasing and Contract Administration bid Portal: http://www.cityofpaloalto.org/gov/depts/asd/planet_bids_how_to.asp.

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

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

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



Kiewit

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

Requests sub-bids from qualified Subcontractor and/or Supplier seeking to participate in the City of Yuba City Public Works Department 5th Street Bridge Replacement Project in Yuba City, CA.

www.californiaucp.org

Subcontractors and Suppliers
for the following project:

**5th Street Bridge Replacement Project
Contract No. 17-01
Federal-Aid Project No. BRLS-5163(027)
Owner: City of Yuba City
Bid Date: June 22, 2017 @ 2:00 P.M.**

Disadvantaged Business Enterprises (DBEs)

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

Asphalt Milling & Paving, Aggregates, Biologist, Bridge Trestle, Bridge PTFE Bearings, Clear & Grub, CIDH, Cast in Place Concrete, Crash Cushion, Minor Concrete, Concrete Pumping, Concrete Ready-mix, Concrete Reinforcement Supply & Install, Concrete Forms, Concrete Washouts, Demolition, Dewatering, Drill & Bond Dowels, Detectable Warning Systems, Earthwork, Erosion Control, Fencing, Filter Fabric, Hydroseeding, Joint Sealant, K-Rail, Lighting Bridge and Street, Landscaping, Metals, MBGR, Pavement Markings, Piling, Piping, Polymer Fiber, Precast Concrete, Quality Control, Retaining & Sound Walls, Rock Slope Protection, Shoring, Signage, Street Sweeping, SWPPP, Support of Excavation, Survey, Slurry Seal, Temp Pedestrian Staircase, Traffic Control, Temp & Permanent Traffic Signals, Tree Removal, Thermal & Moisture Protection, Trucking & Hauling, Vibration Monitoring and Water Truck.

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

**Subcontractor and Supplier Quotes are due NO
LATER THAN June 21, 2017 at 5 PM.**

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

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

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

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

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LINK TO OUTREACH ORDER FORM:

http://e8.octadyne.net/clientFiles/8023/SBE_Diversity-Outreach-Form.pdf

For more information contact:

Small Business Exchange, Inc. • 795 Folsom Street, 1st Floor, San Francisco, CA 94107

Phone: 415-778-6250 • Toll Free: 800-800-8534

Fax: 415-778-6255 • Email: sbe@sbeinc.com • Website: www.sbeinc.com

California Sub-Bid Request Ads

Mission Bay Development Group, LLC is actively seeking General Contractors for the upcoming Mission Bay Blocks 29-32 and Blocks 33-34 Public Improvements Scope 2 (Joint Trench) project.

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

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

To search for certified LBEs/SBEs, please use: http://mission.sfgov.org/hrc_certification

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

Proposed scope of work for this project includes but is not limited to demolition, joint trench, street lighting, traffic signalization, natural gas, and restoration work.

A pre-bid conference will be held at the Construction Manager's Trailer at 410 China Basin Street, San Francisco, CA on Wednesday, May 31, 2017 at 10:00 AM. MBE, WBE, LBE, and SBE subcontractors are strongly encouraged to attend.

CAHILL CONTRACTORS, LLC
Colby Smith at estimating@cahill-sf.com
(415) 677-0611

CAHILL CONTRACTORS, LLC requests bids from Certified SBE Subcontractors and Suppliers for the following TRADES:

Site Clearing & Demolition / Windows, Storefronts, Glazing & Skylights / Shoring & Underpinning / Piles, Drilled Piers, Ground Improvements / Personnel Hoist / Crane Service

1296 SHOTWELL ST.
SENIOR AFFORDABLE HOUSING (SELECT TRADES)
1296 Shotwell St.,
San Francisco, CA 94110

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

BID DATE: 6/16/17 @ 2PM

Voluntary Pre-Bid Meeting:
6/1/17 @ 10AM, Cahill's Office
425 California St., Suite 2200
San Francisco, CA 94104

BID DOCUMENTS:

Please contact Colby for access to documents on BuildingConnected.

Sub-Bids Requested from qualified DBE Firms Subcontractors and Suppliers For:

STERLING RESERVOIR AND PUMP STATION SPECIFICATION W-238B

Owner: Western Municipal Water District

Location: Riverside County, CA

Bid Date: May 31, 2017 @ 2:00 P.M.

J.F. Shea Construction, Inc.

667 Brea Canyon Road, Suite 30 • Walnut, CA 91789

Phone: (909) 595-4397 • Fax: (909) 444-4268

Contact: Lori Olivas, lori.olivas@jfshea.com

J.F. Shea Construction, Inc. is soliciting your participation in the preparation of this bid. We are particularly interested in bids from subcontractors/suppliers for the following work items:

Base Materials, AC Paving, Dewatering, Landscaping, Ready-Mix Concrete, Reinforcing Steel, Precast Concrete Vaults, Masonry, Structural Steel, Miscellaneous Metals, Metal Decking, Metal Framing & Drywall, Metal Wall Panels, Roofing, Sheet Metal, Roof Hatches, Metal Doors/Frames/Hardware, Sealants, Floor Hatches, Overhead Coiling Doors, Tubular Skylights, Glazing, Painting & Coatings, Louvers, Signage, Fire Extinguishers & Cabinets, Toilet Accessories, Equipment, HVAC, Electrical and Instrumentation.

Plans and Specifications: Email your request to katie.desmith@jfshea.com.

Plans may also be viewed at the Dodge Plan Rooms or at our Walnut Office.

J.F. Shea Construction, Inc. is an equal opportunity employer and intends to negotiate in good faith with interested DBE firms and intends to utilize the lowest responsive bidder. J.F. Shea expects potential subcontractors to be bondable. J.F. Shea will pay for up to 1% for subcontractor bond costs. Subcontractors and Suppliers are expected to bid per plans and specifications, including requirements for warranties. Standard manufacturer's warranties, if not in conformance with owner's specifications, will not be accepted.

Long Island (Babylon), NY Sub-Bid Request Ad

Shea McNally JV
BIDDING OPPORTUNITY

MBE/WBE/DBE Certified with the following certifying authority:

A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

Inviting qualified contractors, specifically MBE/WBE/DBE firms certified/eligible as listed above, to contact Shea McNally JV (Prime Contractor listed below) regarding subcontracting services and material supply opportunities in connection with the upcoming tunnel and shafts project.

The Work under this contract is located in Long Island (Babylon), New York. The Work consists of:

Southwest Outfall Replacement, Capital Project No. 8108
Owner: County of Suffolk – Dept. of Public Works-Yaphank, NY
Capital Project No. 8108
BID DATE: June 29, 2017 at 11:00 AM

Opportunities to participate exist in the following specific areas of soil and rock excavation, hauling, excavation support systems, underground blasting, structural steel, engineering, survey, instrumentation and monitoring services, materials testing, demolition and site preparation, environmental investigation, utility relocation, paving, fencing and gates, geotechnical and structural instrumentation, slurry wall, cased auger shaft construction, secant piles, cast-in-place concrete structures, reinforcing steel, ground stabilization, rock-bolts, steel dowels, shotcrete, concrete finishing, waterproofing, service utilities, grouting, mechanical equipment – hydraulic, sluice & weir gates, electrical services, pest control, IT services, security, waste disposal, cleaning services, and security services.

Any business seeking to participate as a MBE/WBE/DBE in the Contract that is not currently certified DBE by the EPA and the requirements set forth above should review 40 CFR 33.204-33.205 or certified by EPA shown above to obtain current certification.

Shea McNally JV set up an FTP site where you can view all plans, specifications and addendums for your convenience. Please contact Steve Fiore at (909) 595-4397, Steven.Fiore@jfshea.com, to receive instructions on accessing the FTP Site.

Shea McNally JV
An EEO Employer
(J.F. Shea Construction, Inc. – McNally Tunneling Corporation)
667 Brea Canyon Road, Suite 22 • Walnut, CA 91789
909-594-0990 • 909-869-0827 (fax)
Attn: Dennis Poulton, Chief Engineer

California Sub-Bid Request Ads



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

REQUEST FOR DBE
SUBCONTRACTORS AND SUPPLIERS FOR:

**Pave narrow areas from
edge of shoulders to Soundwalls –
Hwy 85 San Jose
Caltrans #04-4G9904
BID DATE: June 7, 2017 @ 2:00 PM**

We are soliciting quotes for (including but not limited to): Trucking, Lead Compliance Plan, Develop Water Supply, Construction Area Signs, Traffic Control System, Portable Changeable Message Sign, SWPPP, Rain Event Action Plan, Storm Water Sampling & Analysis, Sweeping, Dust Control Plan, Clearing & Grubbing, Roadway Excavation (Naturally Occurring Asbestos), Irrigation, Prime Coat, AC Dike, Tack Coat, Minor Concrete, Rock Slope Protection, Misc. Iron & Steel, Inlet Protection, Temporary Hydraulic Mulch, Temporary High-Visibility Fence, Storm Culvert, Pavement Marker and Construction Materials

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.



O.C. Jones & Sons, Inc.
1520 Fourth Street • Berkeley, CA 94710
Phone: 510-526-3424 • FAX: 510-526-0990
Contact: Jean Sicard
An Equal Opportunity Employer

REQUEST FOR DBE
SUBCONTRACTORS AND SUPPLIERS FOR:

**Navy Drive Widening
Port Contract No. 08-04-6
Federal Aid Project No. 07-01-07274
Port of Stockton
BID DATE: June 7, 2017 @ 3:00 PM**

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

Trucking, Lead Compliance Plan, Construction Area Signs, Traffic Control System, Type III Barricade, SWPPP, Rain Event Action Plan, Adjust Utilities to Grade, Cold Plane AC, Clearing & Grubbing, Imported Borrow, Erosion Control, Lime Stabilized Soil, AC Dike, Geosynthetic Pavement Interlayer, Roadside Signs, Concrete Pipe, Sewer Pipe, Curb Inlet Catch Basin, Manhole, Canal Liner, Sewer Bypass System, Rock Slope Protection, Minor Concrete, Fencing, Object Marker, Midwest Guardrail System, Alternative Flared Terminal System, Concrete Barrier, Striping & Marking, Signal and Lighting, Guard Post, Modify Existing Highway Grade Crossing Case, Highway Grade Crossing Warning System, Tie Removal, Bumping Pose, Underground Utilities and Construction Materials

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.



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

REQUEST FOR DBE
SUBCONTRACTORS AND SUPPLIERS FOR:

**Cold plane and overlay pavement, install
Guardrail and curb ramps - Hwy 80
Richmond/EI Cerrito/San Pablo/Pinole/
Hercules
Caltrans #04-4J3404
BID DATE: June 1st, 2017 @ 2:00 PM**

We are soliciting quotes for (including but not limited to): Trucking, Lead Compliance Plan, Develop Water Supply, Construction Area Signs, Traffic Control System, Type III Barricade, Portable Changeable Message Sign, SWPPP, Rain Event Action Plan, Storm Water Sampling & Analysis, Sweeping, Treated Wood Waste, Noise Monitoring, Clearing & Grubbing, Dust Palliative, Roadway Excavation (Type Z-2 Aerially Deposited Lead), Filter Fabric, Preparing Inertial Profiler, Channelizers, Temporary Erosion Control Measures, Bonded Wearing Course, Prime Coat, Asphaltic Emulsion, Geosynthetic Pavement Interlayer, Data Core, AC Dike, Tack Coat, Cold Plane AC, Adjust Utilities, Detectable Warning Surface, Minor Concrete, Pre/Post Construction Surveys, Delineator, Pavement Marker, Object Marker, Roadside Signs, Midwest Guardrail System, Vegetation Control (Minor Concrete), Transition Railing, Crash Cushion, Concrete Barrier, Striping & Marking, Electrical and Construction Materials

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.

REQUEST FOR CERTIFIED DBE SUBCONTRACTORS, SUPPLIERS & TRUCKERS FOR:

BART Earthquake Safety Program - Fruitvale & Coliseum Station - Oakland, CA
Contract No. 15PJ-130B
Bid Date: June 6, 2017 @ 2:00 PM

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

TEMP TRAFFIC CONTROL, PROJECT SIGNS, DEMO, ASBESTOS ABATEMENT, REBAR, CIP CONCRETE, DRILL & BOND DOWELS, ARCHITECTURAL WORK, PLUMBING, ELECTRICAL, FIRE SUPPRESSION STANDPIPE, AC PAVING, CONCRETE PAVING, CL FENCE, BUILDING WORK FOR BREAKROOMS, PLANTING & IRRIGATION, JANITORIAL SERVICES, PRESTRESSING, HOLD DOWN ASSEMBLIES, EXCAVATION AND BACKFILL, SHORING, COMMUNICATIONS WORK, MATERIALS TESTING, COLUMN CASINGS, TILE WORK, HVAC WORK, ALUMINUM PANEL WORK, CONSTRUCTION MATERIALS, SECURITY SERVICES, & TRUCKING.

Plans and Specifications are available for review at our office, or can be downloaded online at the following website: <https://suppliers.bart.gov>

Call for assistance in obtaining bonds, line of credit, insurance and scheduling accommodations.

Gordon N. Ball, Inc.

Attn: Serina Sirna

333 Camille Ave., Alamo, CA 94507 • Phone: (925) 838-5675 • Fax: (925) 838-0814

estimating@ballconco.com

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California Sub-Bid Request Ads



8201 Edgewater Drive, Suite 202 • Oakland, CA 94621
Phone (510) 777-5000 • Fax (510) 777-5099

DBE & SBE Subcontractor/Supplier Bids Requested For:

San Francisco Bay Area Rapid Transit District
Construction of Hayward Maintenance Complex Project Turntable Relocation
Contract No. 01RQ-190
Revised Bid Date: June 13, 2017 at 2:00PM
Fax all quotes to 510-777-5099

Requesting certified DBE & SBE Subcontractor and Supplier Quotes on: Misc. Suppliers, Safety Suppliers, Asphalt Suppliers, Concrete & Cement Suppliers, Rebar Suppliers, Lumber Suppliers, Pipe Suppliers, Electrical & Signals Suppliers, Tools Suppliers, Structure Excavation, Structure Backfill, AC Paving, Aggregate Base, Aggregate Subbase, Asphalt Concrete, Paving Asphalt, Place Asphalt Concrete Dike & Misc., Concrete Structure, Minor Concrete Structure, Reinforcing Steel, Railroad Work, Reinforced Concrete Pipe, Subsurface Drain, Filter Fabric, Permeable Material, Plastic Pipe, Misc. Iron & Steel Frame, Cover & Grate, Signal & Lighting, Truck Rental, Truckers, Fuel Systems, Cutting, Construction Equipment Rental, Demolition, Fencing, Waterline Relocation

Contract Documents may be obtained from the District Secretary's Office, San Francisco Bay Area Rapid Transit District, in person on the 23rd Floor at 300 Lakeside Drive, Oakland, CA 94612 or are available for viewing by appointment only at Shimmick Construction's Office: 8201 Edgewater Drive, Suite 202, Oakland, CA 94621.

Subcontractors and Suppliers interested in this project may contact Jerry Blazek by email at jblazek@shimmick.com.

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



McGuire and Hester

9009 Railroad Avenue • Oakland, CA 94603
Phone: (510) 632-7676 • Fax: (510) 562-5209
Contact: John Gasiorowski • An Equal Opportunity Employer

Sub Bids Requested From Qualified **Alameda County S/LBE, MBE, WBE**
Subcontractors & Suppliers for
Alameda County General Services Agency - Santa Rita Jail Pedestrian Ramp Replacement
Project# 14030 • Location: Dublin, CA
Bid Date: June 9, 2017 @ 2:00 PM

McGuire and Hester is seeking qualified subcontractors in the following trades: **Survey, Fencing, Sawcut/ Demolition, Trucking, Piping Specialties, Aggregate, Reinforcing Steel, Concrete, Railings/Bollards, and Painting/Coatings.**

We will pay up to and including one and one-half percent (1-1/2%) of your bonding cost. Certification assistance is available, as well as viewing plans and specs.

Looking for Subcontractors, Vendors, and Suppliers?

Advertise your Sub-Bid Requests in the **Small Business Exchange.**

With a monthly readership of 75,000, SBE reaches a diverse audience, cutting across ethnic and gender lines as well as traditional industry segments.

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Gold Ridge RCD

2776 Sullivan Rd • Sebastopol, CA 95472
Phone: 707-823-5244 • Fax: 707-823-5243

Contact: William Hart • William@goldridgercd.org

The Gold Ridge Resource Conservation District is seeking Minority- and Women-Owned Business Enterprises for the following project:

**Valley Ford Cheese Company
Rainwater Harvesting System**
Location: Valley Ford, Sonoma County, CA

Construction Timeframe (approximate): Week of July 31 – to the week of October 2. Construction is expected to take 7-10 weeks, exact timing within the allowed timeframe will depend on contractor's schedule.

Project Scope:

The project comprises of construction activities at the Valley Ford Cheese Company, located in Valley Ford, CA. Bids are requested from licensed and qualified contractors for the installation of a rainwater harvesting system. The project occurs within a commercial business on private land. There is one building identified for work, and the building requires modest changes to attach the gutters in a safe and functional manner. Licensed contractors with prevailing wage reporting requirement experience are encouraged to attend the bid tour. More info available at <http://goldridgercd.org/htm/for-contractors.htm>

The project includes the following components:

- A. Site preparation work, including trenching;
- B. Excavation of primary and auxiliary tank pad sites;
- C. Installation of gutters, gutter hardware, downspouts, first flush diversion systems, and associated components;
- D. Installation of compacted gravel pad, ring and retaining wall;
- E. Pressure tank and gauge;
- F. Service utility panel;
- G. Acquisition and installation of two auxiliary water storage tanks;
- H. Erosion control measures

Full Request for Bids available at:
www.goldridgercd.org

Specific trades/licenses requested:
a current California Class A General Engineering License is required.

THIS IS A PREVAILING WAGE PROJECT.
Certification of insurance for General Liability and Workers' Compensation are required.

Letters of Intent required by 5 PM, Friday, June 23, 2017 to attend a **mandatory** bid tour at 10 AM, Friday, June 30, 2017.

Bids are due by 5 PM on Friday, July 20, 2017.
See full RFB for more details.

Public Legal Notices



(An Equal Opportunity Employer)

is seeking subcontractors to participate in a prequalification process where sub-trades will complete a Request For Qualifications (RFQ). Clark Construction Group and San Francisco Public Works will prequalify trade subcontractors that will receive an Invitation to Bid on the SFMTA Central Warehouse and Overhead Lines Facility (Burke Warehouse) project.

Currently pre-qualifying for mechanical, electrical, plumbing, fire protection, earthwork, roofing, metal panels, demolition, abatement, concrete, storage racks, micropiles, glass & glazing, utilities, and structural steel.

• RFQ Due Date - June 09, 2017 at 2 pm

A Pre-Qualification Conference will be held at the project site located at 1570 Burke Avenue, San Francisco CA, 94124, on May 24, 2017 at 2:00 pm

RFQ Documents Can be Downloaded at: <https://clarkconstruction.box.com/v/SFMTAwarehouse>

Clark Construction Group- California, LP
Contractor License #839892

180 Howard Street, Suite 1200, San Francisco, CA 94105
Phone: 415/767/7019 • Fax: 415/767/7099

Contact: Plamen Ivanov • plamen.ivanov@clarkconstruction.com

How to make sure a robot doesn't take your job

Continued from page 1

Take construction, for instance. It's not unfathomable to imagine how machines or robots may one day be able to construct things with little or no manual labor necessary. This could speed up the process and also cut down on work-related accidents and injuries.

At the same time, if a construction project includes constantly walking over uneven terrain, that's a job best left to humans. This is where a phenomenon known as Moravec's Paradox comes into play. It's a 1980s-era idea that says computers have difficulty with some tasks humans find easy, and vice versa.

One example is folding a towel. For most humans, it takes just a few seconds to fold a towel, but past examples have shown that it can take as long as 25 minutes for a robot to complete the same task. Put another way, if your job includes some level of manual labor, it should remain safe for the foreseeable future, even if those manual tasks seem relatively basic.

5. Strategize your future

With more and more mundane tasks being handed over to AI, some workers are focusing on asking better questions and generally being

more innovative. Even if a company or industry one day has most of its tasks completed by AI machines or robots, they will still need strategists to help determine the direction of said company or industry.

Sure, machines can offer strategic tips based on trends seen in historical data. That neglects the human element, however. Sometimes, no matter what the data says, certain situations have a certain feel that you can sense, but AI may not be able to pick up on.

Take the game of baseball, for example. These days, data and ultraspecific statistics play a huge role in which players a team chooses to sign and use. Yet no matter what the computer analytics say, players still need to pass the manager's eye test. After all, the game is played on the field, not on paper.

In the end, there's no stopping the rise of robots. AI will only continue to grow and play a larger role in our lives. That may sound a bit frightening, but as long as you're able to develop knowledge and skills that are uniquely human, you should be spared from the looming AI workplace revolution.

SOURCE: <http://theweek.com>

City and County of San Francisco Outreach Advertising June 2017

The Assessment Appeals Board resolves legal and value assessment issues between the Assessor's office and property owners. We have three vacancies on Board 1, which oversees all downtown properties – high rise residential, office, commercial, hotels. Board 1 also oversees all properties over \$50 million in assessed value throughout the City.

Assessment appeal hearings are quasi-judicial, conducted in a manner similar to a court setting, with evidence and testimony presented by the parties. The Board then evaluates the evidence and testimony, and renders its decision.

To be eligible for seat appointment, you must have a minimum of five years professional experience in California as either a: (1) public accountant; (2) real estate broker; (3) attorney; or (4) property appraiser accredited by a nationally recognized organization, or certified by either the Office of Real Estate Appraiser or the State Board of Equalization.

For more information regarding the Assessment Appeals Board call (415) 554-6778.

The San Francisco Arts Commission Galleries presents free exhibitions in three Civic Center locations. City Hall ground floor: *Jim Marshall's 1967*, featuring 80 photographs of Summer of Love-era icons by the legendary rock 'n' roll photographer. SFAC Main Gallery (War Memorial Veterans Building, 401 Van Ness, Ste. 126): *Tiny Bubbles*, a contemporary group show showcasing nine artists known for producing dark and often funny narratives set in imaginary worlds; *Civic Art Collection Focus: Roy De Forest*, including early paintings by the legendary Bay Area Funk artist and *Innards and Upwards*, A *San Francisco Wunderkammer*, a magical installation by Alison Pebworth made from and filled with recycled treasures. Lastly, *Sugar Circus*, a two-person exhibition in partnership with Creativity Explored at C + M (Coffee and Milk) cafe, located in the lobby of the Veterans Building. Visit sfartscommission.org for more information.

Count on WIC for Healthy Families

WIC is a federally funded nutrition program for Women, Infants, and Children. You may qualify if you are pregnant, breastfeeding, or just had a baby; or have a child under age 5; and have a low to medium income; and live in California. Newly pregnant women, migrant workers, and working families are encouraged to apply.

WIC provides Nutrition Education and Health information, breastfeeding support, checks for healthy foods (like fruits and vegetables), and referrals to medical providers and community services.

You may qualify for WIC if you receive Medi-Cal, CalFresh (Food Stamps), or CalWORKS (TANF) benefits. A family of four can earn up to \$3,793 before tax per month and qualify. Enroll early! Call today to see if you qualify and to make an appointment. Call City and County of San Francisco WIC Program at 415-575-5788.

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CNS-3014413#

SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY

REQUEST FOR PROPOSALS FOR CONSTRUCTION MANAGEMENT SERVICES FOR THE YERBA BUENA ISLAND (YBI) WEST- SIDE BRIDGES AND YBI SOUTHGATE ROAD REALIGNMENT IMPROVEMENTS (RFP 16/17-09)

Notice is hereby given that the San Francisco County Transportation Authority is requesting proposals from interested firms for Construction Management Services for the YBI Westside Bridges and YBI Southgate Road Realignment Improvements. The full request for proposals is posted on the Transportation Authority website, www.sfcta.org/contracting. Proposals are due by Monday, June 12, 2017 at 2 p.m., at the Transportation Authority offices.