

Dampers Help Sacramento Light Rail Keep It Quiet



Crews install precast concrete panels at rail crossings.

Photo courtesy of Sacramento RT

Tuned mass rail dampers use steel and rubber plates to reduce vibration. Photo by JT Long

By JT Long

Tight space constraints along a 4.3-mile light-rail expansion for the Sacramento Regional Transit District, or Sacramento RT, required engineers to modify plans and adopt new rail-damping technology to reduce noise in residential areas.

And crews with joint-venture contractor Bal-four Beatty and Teichart must meet a strict time line to complete the work. Planned for more than a decade and delayed by funding challenges, the \$270-million double-track extension of Sacramento RT's Blue Line to Cosumnes River College must be completed by September or risk losing federal funds.

On a section of track between Cosumnes River Parkway and Union House Creek, stakeholders, such as the city of Sacramento and the Sacramento Area Flood Control Agency, opposed planned sound walls because they could impede access, detract from aesthetics and impact pedestrian safety. To reduce noise without the walls, Sacramento RT originally explored using wheel dampers, but they were too bulky, says Darryl Abansado, director of civil and track design for Sacramento RT.

Instead, the agency opted to install 10,000 broadband-tuned mass rail dampers, using sandwiches of composite course steel and rubber plates, clamped together between the rail head and base. Carefully calibrated torque isolates noise and keeps vibration from attenuating out.

The dampers address "the sound at the source, rather than at the sound wall," explains Paul Kampfraath, founder of Netherlands-based Kampa International, the supplier for the technology. The Sacramento project will be the first full-scale deployment of the dampers in the U.S., he says. Transit contractors successfully implemented the technology in Australia, and San Francisco Bay Area Rapid Transit is currently in testing.

Kampfraath says the dampers also slow rail corrugation by changing the mass of the rail and impacting the wheel-rail interface.

Tests conducted in 2009 showed the rail dampers reduced noise by 2 to 3 decibels; however, the goal was a 5-dB reduction. Sacramento RT plans to implement acoustic rail grinding and track greasing, combined with regularly trued wheel maintenance, to reduce noise by up to 6 dB. Regular follow-up testing will ensure the measures reach their goals.

Sacramento RT also looked at adding skirts to the trains and installing mini 2-ft sound walls, but both proved cost-prohibitive or had maintenance impacts.

Timothy Schmidt, senior associate director of Lockwood, Andrews & Newnam Inc. (LAN), the prime consultant and civil and track designer, says rail dampers are a good option to use when acoustic walls aren't viable. "If possible, homeowners tend to prefer walls," he adds.

Mid-design, Union Pacific Railroad required either a \$4-million crash wall and detection

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California Sub-Bid Request Ads

Shimmick Construction Company, Inc.
DBE Subcontractor/Supplier Bids Requested For:
Sacramento Regional County Sanitation District
Main Electrical Substation Replacement
Contract No. 4209
Bid Date: July 2, 2015 at 2:00 PM
Fax all quotes to 510-777-5099

Requesting qualified DBE certified Subcontractor and Supplier Quotes on: **Low Voltage Systems Contractor, Electrical Contractor**

Bid Plans and Specifications may be purchased from the County of Sacramento, Site Improvement and Permits Section 827 7th Street, Room 105 Sacramento, CA 95814, (916) 874-6544.

Subcontractors and Suppliers interested in this project may contact Greg Adams by phone at (510) 777-5040 or gadams@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

Shimmick Construction Company Inc.

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

Sub Bids Requested From Qualified
DBE, MBE, WBE
Subcontractors & Suppliers for
East Bay Municipal Utility District
Camanche Water Transmission Pipeline
Location: Lone, CA
Project No. 2093A
Bid Date: July 1, 2015 @ 1:30 PM

McGuire and Hester is seeking qualified subcontractors in the following trades: trucking and divers.

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.

McGuire and Hester

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

Project Name: Transbay Block 8
Project Location: San Francisco, CA
Pre-Bid Meeting: June 22, 2015 at 2:00PM
Bid Due Date: July 2, 2015
Meeting Location:
SFPUC Contractors Assistance Center
5 Thomas Mellon Cir
Suite 168
San Francisco, CA 94134
(415)467-1040

Requesting Bids for:
Mass Excavation & Shoring

Related California and Tenderloin Neighborhood Development Corporation are currently requesting bid proposals from qualified subcontractors and material suppliers based in San Francisco, including those certified with the Office of Community Investment and Infrastructure (OCII), Successor to the San Francisco Redevelopment Agency (SFRA), for the construction of the Transbay Block 8 Project. The OCII has established a subcontractor participation goal for this project at 50% SBE participation.

The Project is comprised of approximately 546 residential units and 18,000 square feet of neighborhood retail over a 3-level subterranean parking structure. The design features a 55-story tower, 65' and 85' podium buildings, townhomes and a publicly accessible mid-block paseo. The Project's residential program includes 116 for-sale condominiums, 280 market rate rental units and 150 below market rate rental units

For more information please email TB8@related.com. A member of the team will be able to provide clarifications and answers to any questions. Please do not send your bids via email to this email address. Electronic bid submittals will not be reviewed. Bid proposals shall be submitted no later than 3pm on July 2, 2015 via hardcopy delivery to 44 Montgomery, Suite 1050, San Francisco, CA 94104 to the attention of: Jeff Lucas.

Transbay 8 Urban Housing, LLC
44 Montgomery, Suite 1050
San Francisco, CA 94104
Phone: 415-677-4406 • Fax: 888-371-8739
Contact: Jeff Lucas
Email: TB8@related.com

Turner

ADVERTISEMENT FOR SUBCONTRACTOR PREQUALIFICATION
Request for Qualification (RFQ)
RFQ Period: June 8, 2015 - June 25, 2015 (Extended)

Turner Construction Company (Turner) is seeking RFQs for the following Trade Packages for:
Moffitt Library Renovation Replacement Project University of California, Berkeley Alameda County

FIRE PROTECTION
PLUMBING
MECHANICAL

ELECTRICAL / FIRE ALARM
MILLWORK / CASEWORK
ACOUSTICAL CEILINGS

DEMOLITION / ABATEMENT
ROOFING
CURTAIN WALLS

Turner has been awarded the above referenced project. This project includes the following three (3) components:

1. Moffitt Library 4th & 5th Floors Renovation – Project NO. 12643A

This segment of the project will begin as a Design Assist and convert to a Design-Bid-Build (lump sum) delivery method and includes the renovation of approximately 34,360 SF of existing interior. The major components include the renovation of the interior work spaces, the relocation of 4th & 5th floor restrooms to the NW corner of the building, added fire protection to both floors, enclosing the east balconies on 4th & 5th floor, and modifications to the existing stairs to meet Campus Fire Marshal specifications.

2. Moffitt HVAC Central Plant Replacement – Project NO. 12486A

This segment of the project will be a Design-Build delivery method and includes demolition, removal and installation of designated equipment and controls.

3. Moffitt Roof Replacement – Project NO. 19533B

This segment of the project will be a Design-Bid-Build delivery method with some Design-assist components and includes demolition, removal and installation of replacement roofing system and supporting infrastructure.

PREQUALIFICATION OF PROSPECTIVE SUBCONTRACTORS: The University has determined that Subcontractors who submit bids on this Project must be prequalified. After submitting your prequalification VIA www.turnerconstruction.com, please email your Turner issued prequalification number to mguzman@tcco.com and jamassey@tcco.com. The Design-Build subcontractors must utilize professional engineers licensed in the state of California to assume the responsibilities of the Bid Package Designer of Record.

ADDITIONAL INFORMATION: Building Information Modeling (BIM) will be utilized by the design team. All design-build trades will be required to use BIM to complete the Construction Drawings.

This project is seeking a LEED Gold certification or higher, whenever possible, and shall achieve a USGBC LEED-NC "Silver" certification at a minimum.

SCORING: Subcontractors who meet pre-qualification criteria to perform work on their respective trades will be invited to submit a bid. Trade Subcontractors who do not submit the pre-qualification information and are not pre-qualified will not be allowed to bid the project.

CONTACT INFORMATION: For information on how to Pre-Qualify with Turner, please contact Marlene Guzman (510-267-8105 or mguzman@tcco.com)

California Sub-Bid Request Ads

**PROJECT: I-15 CAJON PASS REHABILITATION PROJECT
CALTRANS DISTRICT 8
NORTH OF SAN BERNARDINO, CA**

****THIS PROJECT HAS A 14.65% DBE Goal ****

Coffman/Parsons, A Joint Venture (CPJV) is currently seeking DBE subcontractors/subconsultants, and material and/or equipment suppliers in the following scopes of work:

- Asphalt Milling
- Individual Slab Replacement
- Excavation and Grading
- Grind Rumble Strip
- Hot Mix Asphalt (HMA) Paving
- Concrete Pavement Demolition
- Roller Compacted Concrete
- Concrete Grinding



9685 Via Excelencia, Ste 200 • San Diego, CA 92126
Phone: (858) 536-3100 • Fax: (858) 586-0164
E-mail inquiries to: cpjvdoc@coffmanspecialties.com

Every Subcontractor is required to be registered to perform public work pursuant to Section 1725.5 of the Public Contract Code. No Contractor or Subcontractor shall be qualified to bid on, be listed in a bid proposal pursuant to Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered to perform public work pursuant to Section 1725.5. No bid shall be accepted nor any subcontract entered into without proof of the Subcontractor's current registration to perform public work pursuant to Section 1725.5.

Coffman Specialties, Inc. is signatory to the Operating Engineers, Laborers, Teamsters, Cement Masons and Carpenters unions. Insurance and 100% Payment & Performance Bonds will be required. CPJV will provide assistance/advice with obtaining Bonds/Insurance/Credit. Waiver of Subrogation will be required. Plans, specifications and schedule information is available through CPJV's project office and Coffman Specialties, Inc.'s San Diego Office. We are an EOE & seriously intend to negotiate with qualified firms.



19 PAMARON WAY, NOVATO, CA 94949
PHONE: (415) 382-1188 FAX: (415) 883-7529

CONTACT: ADRIANNE LEWIS

Email: Adrienne@arntzbuilders.com

REQUESTS QUOTATIONS FROM ALL CERTIFIED MBE, LBE, WBE, SBE and S/LBE SUBCONTRACTORS & SUPPLIERS and ALL QUALIFIED SUBCONTRACTORS & SUPPLIERS FOR ALL TRADES FOR THE FOLLOWING PROJECT:

**CHERRYLAND FIRE STATION
ALAMEDA COUNTY JOB #13024
HAYWARD, CA**

BID DATE: July 8, 2015 at 2:00PM

ESTIMATE: \$5,500,000

Trades needed but not limited to: Cast-in-Place Concrete, Concrete Finishing, Concrete Unit Masonry, Structural Steel Framing, Cold Formed Metal Framing, Metal Support Assemblies, Metal Fabrications, Metal Stairs and Ladders, Rough Carpentry, Sheathing, Glued-Laminated Construction, Finish Carpentry, Custom Casework, Plastic Paneling, Sheet Waterproofing, Fluid-Applied Waterproofing, Crystalline Waterproofing, Building Insulation, Weather Resistant Barriers, Vapor Retarders, Wood Siding, Fiber Cement Siding, Built-Up Asphalt Roofing, Sheetmetal Flashing and Trim, Flexible Flashing, Roof Accessories, Firestopping, Joint Sealants, Steel Doors and Frames, Flush Wood Doors, Access Doors and Frames, Electrically powered folding doors, Sectional Doors, Aluminum-Framed Storefronts and Curtain Walls, Aluminum Windows, Metal Framed Skylights, Door Hardware, Glazing, Mirrors, Louvers and Vents, Shaft Wall Assemblies, Cement Plastering, Gypsum Board, Tiling, Acoustical Ceilings, Linear Wood Ceilings, Resilient Flooring, Carpeting, Wall Coverings, Painting and Coating, Epoxy Coating, Vapor Emission Treatment Systems, Signage, Wall and Corner Protections, Toilet Accessories, Fire Protection Specialties, Plastic Laminate Clad Lockers, Flagpoles, Window Blinds, Shades and Coverings, Countertop and Site Furnishings, Electric Traction Elevators, Water Based Fire Suppression System, Natural Gas System, Plumbing, HVAC, Electrical, Fire Alarm, Earthwork, Trenching, Backfilling, Compacting, Site Prep and Demo, Paving and Surfacing, Precast Concrete, Pavement Markings, Ornamental Steel Fencing, Restoration of Surfaces, Irrigation, Planting, Water Systems, Sanitary Sewer, Storm Drainage.

BONDING, INSURANCE, TECHNICAL ASSISTANCE AVAILABLE. PLANS AVAILABLE IN GC'S PLAN ROOM. SUCCESSFUL SUBCONTRACTORS WILL BE REQUIRED TO SIGN ARNTZ BUILDERS, INC. STANDARD SUB-CONTRACT 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

This project has a Project Stabilization/Community Benefit Agreement (PSCBA), all contractors and suppliers will need to be union signatory or agree to sign a one project agreement.

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Continued from page 1

system or a 50-ft setback, revised from the previous standard of 20 ft. That put the tracks even closer to the backs of a number of homes, despite easements purchased by Sacramento RT. To limit train motion and dissipate any rumbling, LAN's design called for 400 ft of ballast-mat vibration dampers, composed of a resilient layer over a load-distribution layer.

Underground Obstacles

In an area near a Pacific Gas & Electric valve lot, 22-ft-deep, soldier-pile retaining walls prevented the need to relocate 20-in.-dia gas lines to the front of a neighborhood street. The piles maintain the structural integrity of the rail line in case the utility conducts pipeline maintenance.

To limit road closures and speed up construction of rail crossings, LAN used precast, full-depth concrete panels, also known as tub crossings, in-

stead of ballast-tie construction. "The panels are particularly helpful when the ground includes unsuitable material and would take a long time to prepare," Abansado says. The units include ports that can be unscrewed to inject materials in case of settlement.

To streamline construction, crews built two bridges—the largest at 1,317 ft long and 40 ft tall—and a \$31.5-million parking garage, while plans were still being modified for the rail portion. "Having those structures complete first eliminated risk and allowed us to keep moving ahead," says Ed Scofield, Sacramento RT's director of project management.

By partnering with utilities that "were willing to work with us, we should be able to open a little bit ahead of the scheduled date," Scofield adds. "Without that cooperation, the schedule would be shot."

Source: <http://california.construction.com>



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

Public Legal Notices



(An Equal Opportunity Employer)

is seeking subcontractors to participate in a prequalification process where sub-trade RFQs can be downloaded at [link](#). Clark Construction Group and San Francisco Public Works will prequalify trade subcontractors that would receive an invitation to bid **The Office of the Chief Medical Examiner project**.

Currently pre-qualifying for Coolers, Drywall and Plaster, Fencing, Flooring, Laboratory Casework, Landscaping, Painting, Resilient Flooring, Signage, and Site Asphalt and Concrete Paving.

• RFQ Due Date, July 21st, 2015

A Pre-Qualification conference will be held at the Contractors Assistance Center, located at 5 Thomas Mellon Cir, San Francisco CA, 94134, on July 1st, 2015 1:30pm

Documents Can be Downloaded at: <https://clarkconstruction.sharefile.com/d-s4ef1d82355543fca>

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: Hector Torrez

hector.torrez@clarkconstruction.com



CALIFORNIA LOTTERY
Request for Proposal (RFP) #50041
Financial Auditing and Related Services

The California Lottery (Lottery) is soliciting potential bidders to provide financial auditing and related services. At the time of bid submission, bidder must be a certified public accounting firm and a member of good standing with the American Institute of Certified Public Accountants; have audited the financial statements of a governmental entity, a business organization with an asset base of at least US \$250 million, or a business entity with a revenue base of at least US \$1 billion within the last five years; have an office and license to do business in California, have been in operation or doing business in California for at least three years, and have all permits required by law for accomplishing the work required in connection with this contract.

This solicitation is expected to be released during the month of July 2015 and will be available to download from the Lottery Website at www.calottery.com under Vendors.

CNS#2766046



CITY & COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS

Contract No. 2386J
(ID No. FCE15125)

WEBSTER STREET PAVEMENT RENOVATION, SEWER REPLACEMENT AND WATERMAIN INSTALLATION

Sealed bids will be received at 1155 Market Street, 4th Floor, San Francisco, California 94103 until **2:30 p.m. on July 29, 2015**, after which they will be publicly opened and read. Digital files of Bid Documents, Plan Holders Lists, and Addenda may be downloaded at no cost from the Department of Public Works (DPW) Electronic Bid Documents Download site at www.sfdpw.org/biddocs, or purchased on a CD format from 1155 Market Street, 4th Floor, San Francisco, California 94103, telephone 415-554-6229, for a non-refundable \$15.00 fee paid by cash or check to "Department of Public Works". Please visit the DPW's Contracts, Bid Opportunities and Payments webpage at www.sfdpw.org for more information. Notices regarding Addenda and other bid changes will be distributed by email to Plan Holders.

The Work is located along Webster Street from Green Street to McAllister Street and along Jackson Street from Webster Street to Buchanan Street and consists of pavement renovation and curb ramp construction, sewer replacement and drainage work, water main installation, traffic signal modification, traffic control, and all associated work. The time allowed for completion is 365 consecutive calendar days. The Engineer's estimate is approximately \$4,000,000. For more information, contact the Project Manager, Ramon Kong at 415-554-8280.

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 (SFAC) Section 6.25, "Clean Construction" is required for the performance of all work.

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 SFAC Chapter 14B. Subcontracting goal is **25% LBE**. Call Selormey Dzikunu at 415-558-4059 for details. In accordance with SFAC Chapter 14B requirements, all bidders, except those who meet the exception noted below, shall submit documented good faith efforts with their bids and must achieve 80 out of 100 points to be deemed responsive. Bidders will receive 15 points for attending the pre-bid conference. Refer to CMD Form 2B for more details. Exception: Bidders who demonstrate that their total LBE participation exceeds the above subcontracting goal by 35% will not be required to meet the good faith efforts requirements.

A pre-bid conference will be held on **July 7, 2015; 1:30 p.m.**, at 1680 Mission Street, 3rd Floor.

For information on the City's Surety Bond Program, call Jennifer Elmore at (415) 217-6578.

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

Class "A" license required to bid.

In accordance with San Francisco Administrative Code Chapter 6, no bid is accepted and no contract in excess of \$400,000 is awarded by the City and County of San Francisco until such time as the Mayor or the Mayor's designee approves the contract for award, and the Director of Public Works then issues an order of award. Pursuant to Charter Section 3.105, all contract awards are subject to certification by the Controller as to the availability of funds.

Minimum wage rates for this project must comply with the current General Prevailing Wage as determined by the State Department of Industrial Relations. Minimum wage rates other than applicable to General Prevailing Wage must comply with SFAC 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 Section 6.22(G) of the SFAC. 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 Human Rights Commission as being in compliance with the Equal Benefits Provisions of Chapter 12B of the City's 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, Department of Public Works, setting forth with specificity the grounds for the objection.

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

6/25/15

CNS-2765334#

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