

## 6 Weird Skyscraper Facts for National Skyscraper Day

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

By: *Kendall Jones,*

National Skyscraper Day, a fact I was just made aware of last week. The 3rd of September wasn't just picked at random as the day to celebrate skyscrapers. It happens to be the birthday of John H. Sullivan, the architect who coined the phrase "form (ever) follows function" and is considered the "father of skyscrapers."

In honor of National Skyscraper Day and John H. Sullivan's birthday today, here are some weird facts about some of the world's most famous, and infamous, skyscrapers.

### Taipei 101's Unusual Mascot

Many supertall structures have some type of engineering feature, like slosh tanks or tuned mass dampers, to reduce the amplitude of vibration when struck by a strong lateral force, such as those caused by high winds or earthquakes. For Taipei 101 in Taiwan, the mass damper needed to withstand both typhoon winds and earthquakes. The 730-ton spherical mass damper in Taipei 101 is the world's largest and heaviest wind damper and can reduce swaying of the building by up to 40% by swinging in the opposite direction the building is moving.

Instead of hiding the mass damper away with other building systems, Taipei 101 turned theirs into a tourist attraction. It was also the inspiration for the building's mascot, Damper Baby. The Damper Baby has a damper body and large round head. Sanrio, the company behind Hello Kitty, was contracted to create the Damper Baby, which has become a popular local icon. The Damper Babies come in five different colors and they have their own line of toys, figurines, collectibles, and comic books.

### Catch the Sunset Twice at Burj Khalifa

Burj Khalifa, the world's tallest skyscraper, is an engineering marvel. At an architectural height of 2,717 feet, Burj Khalifa has held the crown as the world's tallest building since it was completed back in 2010, taking the top spot from Taipei 101. The Burj also holds several other world records like the highest occupied floor, highest number of stories, highest res-



Image credit - [www.constructconnect.com](http://www.constructconnect.com)

aurant in a building from ground level, tallest service elevator in a building, and elevator with the longest travel distance.

The record setting height and long travel distance, along with the curvature of the earth, are what makes this next fact possible. If you time it just right, you can watch the sunset twice in the same day at Burj Khalifa. You start in the lobby watching the sunset the first time, hop on the elevator and take the 60 second trip to the observation deck 1,482 feet above the ground, and watch the sunset a second time. Because the building is perpendicular to the ground, the higher you go, the further away the horizon is allowing you increase your line of sight. Isn't science fun?

### The Empire State Building's Speedy Construction

The Empire State Building, which stood as the world's tallest building for over 40 years, is one of the most iconic and well-known skyscrapers in the world. The Art Deco styling and attention to detail are truly a sight to behold. It beat

out the Chrysler Building and 40 Wall street to become the world's tallest building during what newspaper's dubbed "The Race into the Sky."

What's even more impressive about the 1,250-foot tall, 102-story masterpiece is that it took only 410 days to complete construction. So, how was it built so quickly? The answer lies in the ingenuity and efficient systems developed by the general contractors on the project, Starrett Brothers and Eken.

Starrett Brothers and Eken employed an assembly line approach to constructing the Empire State building. Most of the steel and stonework were prepared offsite, the concrete was mixed onsite in the basement, and they used a proto-just-in-time delivery method to make sure workers always had the materials they needed to keep the project moving.

To get the building materials to the various floors, they employed a series of internal hoist, external derricks, and a light-gauge rail system



# California Sub-Bid Request Ads

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

## NORTH CITY PURE WATER FACILITY

Owner: City of San Diego

Location: San Diego, CA

**Bid Date: October 1, 2020 @ 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](mailto: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:

Drilled Concrete Piers, Aggregates, AC Paving, Curb & Gutter, Gates & Fencing, Landscaping, Ready-Mix Concrete, Reinforcing Steel, Precast Concrete, Structural Steel, Miscellaneous Metals, Steel Decking, Metal Framing & Drywall, Decorative Metal Stairs, Cabinetry, Dampproofing, Insulation, Metal Wall Panels, Roofing, Sheet Metal, Sealants, Metal Doors/Frames/Hardware, Wood Doors/Frames/Hardware, Overhead Coiling Doors, Bi-Fold Doors, Aluminum Storefront, Glazed Curtain Walls, Skylights, Glazing, Louvers, Acoustic Plaster System, Ceramic Tile, Acoustical Panel Ceilings, Resilient Flooring, Terrazzo Flooring, Tile Carpeting, Metal Acoustical Panels, Painting & Coatings, Signage, Toilet Compartments, Toilet Accessories, Fire Protection Specialties, Metal Lockers, Metal Shelving, Equipment, Roller Window Shades, Lab Casework, Dumbwaiters, Electrical Traction Elevators, Cranes & Hoists, Fire Suppression, HVAC, Electrical and Instrumentation

**Plans and Specifications:** You may obtain a free download of all Project Documents at: <https://www.planetbids.com/portal/portal.cfm?companyID=17950>. 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.

### TAFT ELECTRIC COMPANY

1694 EASTMAN AVENUE,  
VENTURA, CA 93003

Phone: (805) 642-0121 • Fax: (805) 650-9015

Contact: Arnold Tostado

Email: [atostado@taftelectric.com](mailto:atostado@taftelectric.com)

Invites sub-bids from qualified  
**DBE**  
businesses for the following project:

### HSIP Downtown Perimeter Lighting Project

**Bid No. 3870**

**Location: City of Santa Barbara**

**BID DATE: 09/17/2020**

Scope of work/Trades:

**Concrete, A/C Paving, Signing & Striping,  
Traffic Control & Plans**

We are an Equal Opportunity Employer and intend to seriously negotiate with qualified Disadvantaged Business Enterprise subcontractors and suppliers for project participation.

Payment and performance bonds may be required. Please contact us at the above listed number for further information regarding bidding on this project. To the best of our abilities we will help with bonds/insurance/credit. Plans are available for viewing at our office.

We Are An Equal Opportunity Employer

## SBE OUTREACH SERVICES

With 1.5 million businesses in our database, SBE is California's #1 source for diversity outreach.

### Advertisements

Placed in the Small Business Exchange newspaper, SBE Today newsletter, and online at [www.sbeinc.com](http://www.sbeinc.com)

### Faxed and Eblast Solicitations

Targeted mailings sent to businesses per your criteria.

### Telemarketing

Telephone follow-up calls that follow a script of 5 questions you create.

### Computer Generated Reports

Will fit right into your proposal, along with a list of interested firms to contact.

### Contact Info:

795 Folsom Street, 1st Flr, Room 1124

San Francisco, CA 94107

Email: [sbe@sbeinc.com](mailto:sbe@sbeinc.com)

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

Phone: (415) 778-6250, (800) 800-8534

Fax: (415) 778-6255

### Publisher of

Small Business Exchange  
weekly newspaper

Subconsultant Proposals Requested from qualified **DBE** Subconsultants/Subcontractors for Phase 1 Services for:

## THE EAST COUNTY ADVANCED WATER PURIFICATION PROJECT PACKAGE 3 (PROGRESSIVE DESIGN BUILD)

Owner: East County Advanced Water Purification Joint Powers Authority

Location: Santee, CA

**Proposal Date: October 14, 2020 @ 3:00 P.M.**

**Subconsultant Proposals Due: October 7, 2020 @ 3:00 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](mailto:lori.olivas@jfshea.com)

J.F. Shea Construction, Inc. is soliciting your participation in the preparation of this Proposal. We are particularly interested in proposals from Subconsultants/Subcontractors for the following work areas:

**Survey, Geotechnical Consultant, Surge Analysis, Corrosion Assessment, Traffic Control, and Potholing**

**Project Documents:** Email your request to [elizabeth.schmid@jfshea.com](mailto:elizabeth.schmid@jfshea.com). You will be required to execute a Confidentiality Agreement prior to being sent a link to the Project Documents.

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 Subconsultants/Subcontractors to be bondable. J.F. Shea will pay for up to 1% for Subconsultant/Subcontractor bond costs.



# California Sub-Bid Request Ads



**INVITATION TO PREQUALIFY FOR  
Bus Yard Facility Relocation**

**GENERAL OVERALL PROJECT DESCRIPTION:**

Swinerton is in the process of responding to LAWA Request for proposals for the Bus Yard facility Relocation Project. Bus Yard Facility Relocation Project consists of relocation of Facility Management and Utility Group (FMUG) storage yard, a new bus parking pad, and a new single-story building, employee parking lot improvement, a new Los Angeles Department of Water and Power (LADWP) industrial station (IS), and other miscellaneous improvements.

**BID PACKAGES**

During the RFP process Swinerton is looking for proposals for the following scopes of work:

- Geotechnical Investigation
- Topographical Survey
- Haul Off
- Temporary Trailers
- Subsurface Utility Exploration
- Demo
- Fencing and Temporary Fencing
- Temporary Restrooms

**ESTIMATE BREAK DOWN, ALLOWANCES, & ALTERNATES**

Reference Cost Breakdown Sheets for Cost Breakdown, Allowances, and Alternates

**PROJECT LABOR AGREEMENT**

Project falls under the terms and conditions of the "Los Angeles Department of Airports Project Labor Agreement ("PLA"), which is inclusive of a commitment to providing a 30% Local Workforce. Project includes requirements as to participation of Minority Business Enterprises and Women's Business Enterprises (collectively "M/WBE") Small (SBE) and Local Business Enterprises ("LBE"), and Owner has committed to a DBE participation goal of twenty percent (15%).

**SCHEDULE & PHASING:**

Reference Bid Document Schedule and Phasing

**KEY DATES:**

RFI's due on 9/11/2020  
Proposal Due 9/18/2020

**IMPORTANT ITEMS TO CONSIDER:**

Swinerton is an Equal Employment Opportunity, Minority, Women, Disability, and Veteran Employer". Swinerton is signatory to the Carpenter's union. Insurance requirements must be met per Project Specific Insurance Requirements of the Work Order to Master Subcontract Agreement (information can be found under the General Documents folder). Include the cost of insurance in proposals. Subcontractors are required to execute Swinerton's standard Work Order to Master Subcontract Agreement, including all terms and conditions without modification within two (2) weeks of receipt (information can be found under the General Documents folder) Subcontractors who are working with Swinerton Builders or are hoping to contract with Swinerton Builders for more than \$50,000 are required to go through the online Swinerton Prequalification form. If you have questions regarding your prequalification status with Swinerton, please email Veronica Miguel at [vmiguel@swinerton.com](mailto:vmiguel@swinerton.com). Subcontractors who need to update their form will need a password in order to access the form. Please email [subcontractorprequal@swinerton.com](mailto:subcontractorprequal@swinerton.com) in order to receive your unique password. Bonding may be required. Please provide bond rate with proposals. Subcontractors must complete Master Subcontract Agreement (MSA) prior to being awarded a contract, Work Order. Please contact Veronica Miguel at [vmiguel@swinerton.com](mailto:vmiguel@swinerton.com) if you have any questions regarding this requirement.

Subcontractors are encouraged to begin the Swinerton Prequalification process at: <http://www.swinerton.com/subcontractors/subcontractor-prequal>

For additional information on prequalification, please contact: Veronica Miguel at [vmiguel@swinerton.com](mailto:vmiguel@swinerton.com) or 213.869.3400



CAL LIC. NO. 723241  
11555 Dublin Boulevard  
Dublin, CA 94568-2909  
Phone: (925) 803-4333 • FAX: (925) 803-4334  
ESTIMATOR: Christopher Pieri  
EMAIL: [cpieri@pacificstates.net](mailto:cpieri@pacificstates.net)

Pacific States Environmental Contractors, Inc. (PSEC) is preparing a bid as a Prime Contractor for the project listed below:

**PROJECT:**  
**900 INNES REMEDIATION PROJECT**  
Contract No. 1000016646

**OWNER:**  
**CITY AND COUNTY OF SAN FRANCISCO**  
1155 Market Street, 4th Floor  
San Francisco, CA 94103

**REVISED BID DATE: September 23, 2020 at 2:30pm**

We hereby encourage responsible participation of certified (DBE) Disadvantaged Business Enterprises and (SBE) Small Business Enterprise and solicit their subcontractor or materials and/or suppliers quotation for the following types of work including but not limited to:

**TRUCKING, DEMOLITION, SURVEY, ABATEMENT AND OFFSHORE WORK**

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 City & County of San Francisco Department of Public Works Site: [https://stgint.sfdpw.org/\\_Layouts/DPWPORTAL/Construction.aspx?ID=2217](https://stgint.sfdpw.org/_Layouts/DPWPORTAL/Construction.aspx?ID=2217)

Fax your bid to (925) 803-4334 to the attention of Estimator Christopher Pieri or email [cpieri@pacificstates.net](mailto:cpieri@pacificstates.net). If you have questions for the Estimator, call at (925) 361-1617 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 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) 361-1617, or contact your local Small Business Development Center Network (<http://californiasbdc.org>) or contact the California Southwest Transportation Resource Center ([www.transportation.gov/osdbu/SBTRCs](http://www.transportation.gov/osdbu/SBTRCs)). PSEC is willing to breakout portions of work to increase the expectation of meeting the SBE/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. PSEC is an Equal Opportunity/Affirmative Action Employer.

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

Exterior Building Maintenance / Elevators (Design-Assist) / Fire Sprinkler / Plumbing / HVAC / Electrical

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

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

**BID DATE: 9/18/20 @ 2 PM**

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

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







# California Sub-Bid Request Ads

## DESILVA GATES CONSTRUCTION

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

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

**SOUTHEAST CONNECTOR JOINT POWERS  
AUTHORITY SEGMENT D3  
WHITE ROCK ROAD,  
Federal Project No. 5288(046)**

Disadvantaged Business Enterprise Goal  
Assigned is 10%

OWNER: CITY OF FOLSOM  
50 Natoma Street, Folsom, CA 95630

**REVISED BID DATE:  
September 9th, 2020 @ 2:00 P.M.**

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

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

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

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

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

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

## DESILVA GATES CONSTRUCTION

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

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

**Feather River Boulevard Farm To Phase II  
Contract No. 2020-2251,  
Federal Aid Project No. STPL-5916(132)  
Disadvantaged Business Enterprise Goal  
Assigned is 11%**

OWNER: County of Yuba  
915 8th Street, Suite 123, Marysville, CA 95901  
**Bid Date: September 10, 2020 @ 2:00 P.M.**

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

**Cold Plane, Paving Fabric, Striping, Traffic Control Systems, Trucking, Water Trucks, Street Sweeping, Shoulder Backing, Hot Mix Asphalt (Type A) Material**

Plans and specifications may be reviewed at our offices located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com and password is f7pa55wd) or from the Owner's site at [https://www.yuba.org/departments/community\\_development/public\\_works/project\\_solicitation.php](https://www.yuba.org/departments/community_development/public_works/project_solicitation.php)

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

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

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

## DESILVA GATES CONSTRUCTION

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

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

**CALTRANS ROUTE 99-  
CONSTRUCTION ON STATE HIGHWAY  
IN BUTTE COUNTY ABOUT 10 MILES NORTH OF  
GRIDLEY FROM 0.3 MILE SOUTH TO 0.5 MILE  
NORTH OF NELSON AVENUE  
Contract No. 03-0F2904, Federal Aid  
Project No. ACNH-P099(658)E**

Disadvantaged Business Enterprise Goal  
Assigned is 14%

OWNER: STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

1727 30th Street, Bidder's Exchange, MS 26, Sacramento, CA 95816

**REVISED BID DATE:  
September 10, 2020 @ 2:00 P.M.**

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

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

Plans and specifications may be reviewed at our office located at 11555 Dublin Boulevard, Dublin, CA or at your local Builders Exchange, or reviewed and downloaded from the ftp site at <ftp://ftp%25desilvagates.com:f7pa55wd@pub.desilvagates.com> (if prompted the username is ftp@desilvagates.com 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 James Yackley. If you have questions for the Estimator, call at (925) 829-9220. When submitting any public works bid please include your DUNS number and DIR number. For questions regarding registration for DIR use the link at [www.dir.ca.gov/Public-Works/PublicWorks.html](http://www.dir.ca.gov/Public-Works/PublicWorks.html)

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

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SMALL  
**BUSINESS**  
EXCHANGE

# 6 Weird Skyscraper Facts for National Skyscraper Day



Image credit - [www.constructconnect.com](http://www.constructconnect.com)

Continued from page 1

to quickly move materials around the jobsite. They also had lunch counters installed on several floors to provide a good, cheap meal to workers and keep them from wasting time leaving the site to grab a bite to eat and tying up the elevators and lifts when the lunch bell rang.

These systems, combined with detail recordkeeping of man-hours and materials, allowed workers to build four and a half stories per week. It also didn't hurt that they had upwards of 3,500 workers on the jobsite at a time and that labor and occupational safety regulations weren't as protective of workers as they are today.

Construction of the Empire State Building began on March 17, 1930 and after 7 million man-hours, the building was structurally completed on April 12, 1931 when one of the developers, Al Smith, ceremoniously shot in the final rivet made of solid gold.

## The World's Littlest Skyscraper

Wichita Falls, Texas is home to an unusual skyscraper. In fact, if you saw it in passing the word skyscraper would never enter your mind. The Newby-McMahon Building is four stories, stands just 40-feet tall, and measures just 11 feet by 19 feet on the exterior.

How did this building come to be known as the "World's Littlest Skyscraper?" After oil was found in nearby Burkburnett in 1912, the

city of Wichita Falls saw its population swell as companies and opportunists, both honest and dishonest, moved in to cash in on the oil boom. One of the latter was J.D. McMahon, an oil man, and apparent snake oil salesman, was leasing office space in the one-story Newby Building near the train station.

Seeing a growing need for more office space in Wichita Falls, McMahon had some blueprints drawn up for an office tower to be built adjacent to the Newby Building, which is didn't have permission to build on. He shared his plans with investors who ponied up \$200,000 (about \$3.1 million today) to bring the project to fruition.

McMahon used his own crew from his oil rig construction company to construct the building. When it came time for the building's ribbon cutting, investors were a little less than impressed with the final product when unveiled in 1919. Instead of a 40-story office tower they thought they were promised, they found a four-story building where the upper floors had to be accessed with a ladder because the elevator never got installed. By this point, McMahon had absconded with his ill-gotten gains.

A local judge ruled that investors had no recourse for recouping their money since McMahon had built the structure exactly as specified. What the investors were too greedy or too trust-

ing to notice was that the scale of the plans was in inches, not feet. Instead of a 480' building, the blueprints called for a 408' building. News of the story must have spread because in 1920 Robert Ripley featured the Newby-McMahon in his Ripley's Believe It or Not! cartoon features in The New York Globe in 1920, dubbing it the "World's Littlest Skyscraper."

## The "Death Ray" Skyscraper

20 Fenchurch Street in London, commonly referred to by its nickname, the "Walkie Talkie" due to its shape isn't the most well-liked building in the city. It won Building Magazine's Carbuncle Cup for Britain's worst new building in 2015. Prior to completion, it had earned a handful of other unfavorable nicknames like "Walkie Scorchie," "Fryscraper," and the "Death Ray."

The reason being that during construction the concave glass façade began focusing sunlight into concentrated areas on the street below. The heat from the concentrated beams was so intense that it began melting bicycle seats and parts of a Jaguar XJ. It also shattered slate tiles and burnt the carpet of nearby shops. A journalist even fried an egg using the concentrated sun rays that recorded a temperature of 158°F.

Sunshades were installed to prevent further damage to property and people but that wasn't

Continued on page 7





# Columbus, Ohio Sub-Bid Request Ads

## Ohio nuclear bill also funded solar projects. What will happen to them if the bill is repealed?

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

By Andrew J. Tobias, [cleveland.com](http://cleveland.com),

House Bill 6, recently revealed to be at the center of a federal corruption investigation into the Ohio Statehouse, is best known as a \$1 billion bailout for two Ohio nuclear plants.

But aside from the corruption that federal prosecutors have said fueled the nuclear portion of the bill, HB6 also provided tens of millions of dollars for a few designated solar projects in Southwest Ohio, including at least one with politically prominent backers.

When fully operational, the projects, the first large-scale solar farms in Ohio, will generate 650 megawatts per year, enough to power almost 200,000 homes. Their inclusion allowed bill sponsors to accurately claim the bill funded renewable energy.

However, the projects' funding vexed Ohio's community of renewable energy advocates and environmentalists, since HB6 gutted a larger requirement for power companies to provide a certain percentage of their electricity through renewable sources, and also eliminated a ratepayer fee that financed energy efficiency programs.

"It didn't do anything good for the industry as a whole, but it did do good for these few projects," said Randi Leppla, vice president of energy policy for the Ohio Environmental Council Action Fund, which supports repealing the bill.

### Where the projects stand

The nuclear and solar funding is scheduled to take effect on Jan. 1, financed through new fees on Ohioans' electricity bills.

With that in mind, the projects have been moving toward construction. But now that lawmakers are debating repealing HB6 due to its alleged corrupt origins, the proposed solar farms' financing calculations could be in flux.

"We need to get financing for the project, and that's up to the financial markets," said Stephanie Williams, a lobbyist for Innergex, the developer behind the Hillcrest solar project in Brown County that's more than halfway through construction and slated to be complete in December. "And the more HB6 is brought up and the repeal is talked

about, the less financial markets want to look at a place like Ohio to put money."

Craig Sundstrom, a lobbyist for RWE Renewables, said the company's Willowbrook project in Highland County will go forward "with or without" House Bill 6. Construction hasn't yet begun, and it's not scheduled to be complete until 2022.

But he said it's hard to tell how the repeal legislation could affect the broader market for solar projects. Legislators are considering whether to reinstate renewable energy

standards, which would provide a boost to the industry. Republican critics on the other hand have described renewable energy as heavily subsidized and relatively unreliable, and have said the mandates gave it an artificial advantage over more traditional energy sources.

Visit the link below for the full article:

<https://www.cleveland.com/open/2020/08/ohio-nuclear-bill-also-funded-solar-projects-what-will-happen-to-them-if-the-bill-is-repealed.html>

### SHEA- TRAYLOR JV BIDDING OPPORTUNITY

#### City of Columbus, Ohio Certified DBE (MBE and WBE) with the following certifying authority:

Participation of Minority-and Women -Owned Business Enterprises ("MWBE") and Equal Employment Opportunities ("EEO"). Participation by Disadvantaged Business Enterprises ("DBE") in United States Environmental Protection Agency ("EPA") Programs pursuant to 40 Code of Federal Regulations (CFR) Part 33; 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. USDOT DBE certifications accepted. See: City of Columbus, Office of Diversity and Inclusion, 614-645-4764 and [www.columbus.gov/odi/](http://www.columbus.gov/odi/).

Inviting qualified contractors, specifically **MBE and WBE firms certified/eligible as listed above**, to contact Shea-Traylor 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 in Columbus, Ohio. The Work consists of:

#### Construction of Tunnel & Shafts: Lower Olentangy Tunnel, Contract 135-2016

Owner: City of Columbus Dept. of Public Utilities  
910 Dublin Road - 3rd Floor, Columbus, OH 43215

**BID DATE: October 14, 2020 at 3:00 PM EDT (Electronic Bid Only)**

Opportunities to participate exist in the following specific areas of soil and rock excavation, hauling, excavation support systems, ground freezing, deep foundation system(secant-piles), underground blasting, structural steel, engineering, survey, instrumentation and monitoring services, materials testing, demolition and site preparation, traffic control, sewer tap and sewer bypass pumping, A/C paving, environmental investigation, utility relocation, paving, fencing and gates, planting and seeding, retaining wall, geotechnical and structural instrumentation, secant piles, cast-in-place concrete structures, reinforcing steel, ground stabilization, rock-bolts, steel dowels, shotcrete, concrete finishing, mechanical steel pipe, ventilation HVAC, precast concrete shaft covers, temporary office buildings/services, Temporary electrical substation, waterproofing, service utilities, grouting, electrical services, pest control, IT services, waste disposal, cleaning services, and security services.

Any business seeking to participate as a MBE or WBE 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, certified by EPA or City of Columbus, Office of Diversity and Inclusion at <https://www.columbus.gov/odi/>** as shown above to obtain current certification.

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

**Shea-Traylor JV, (An EEO Employer)**  
(J.F. Shea Construction, Inc. - Traylor Bros., Inc.)  
667 Brea Canyon Road, Suite 22  
Walnut, CA 91789

Phone: 909-594-0990 fax: 909-869-0827

Send Inquiries/Certifications to: **Steven Fiori: [Steven.Fiori@jfshea.com](mailto:Steven.Fiori@jfshea.com)**



# California Sub-Bid Request Ads



**Kiewit**

**Kiewit Infrastructure West Co.**

4650 Business Center Drive Fairfield, CA 94534  
Attn: Julie Bradhurst at [norcal.bids@kiewit.com](mailto:norcal.bids@kiewit.com)

Requests quotes/bids from qualified Subcontractor, Service Providers, Consultants, and/or Suppliers seeking to participate in the City of Palo Alto, Primary Sedimentation Tanks Rehabilitation and Equipment Room Electrical Upgrade Project in Palo Alto, CA.

Subcontractors and Suppliers for the following project:

**Primary Sedimentation Tanks Rehabilitation and Equipment Room Electrical Upgrade Project**  
CIP: WQ-1400

Owner: City of Palo Alto

**Bid Date: October 6, 2020 @ 3:00 P.M.**

**Disadvantaged Business Enterprises (DBEs)**

[www.mbdba.gov](http://www.mbdba.gov); [www.epa.gov](http://www.epa.gov); [www.sba.gov](http://www.sba.gov); [dot.ca.gov](http://dot.ca.gov)

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

**Aggregates · Asphalt Paving · Bird Control Devices · Cathodic Protection · Concrete Forms & Accessories · Concrete Pumping · Concrete Reinforcement · Concrete Supply · Concrete, Cast-in-Place · Concrete, Pre-cast · Coring · Crack Injection · Demolition · Disposal · Diving · Drilled Shafts · Earthwork · Electrical · Electrical Supply · Electrical Install · Electrical Testing · Fire Suppression · FRP · Instrumentation & Controls · Lighting · Metals · Minor Concrete · Openings · Paintings & Coatings · Piping & Valves · Potholing · Quality Control · Saw cutting · Scaffolding · Street Sweeping · Surveying · SWPPP · Temp Fencing · Thermal & Moisture Protection · Trucking & Hauling · Water Truck · Welding**

Non DBE firms are encouraged to contract with a group of lower tier DBEs or individual DBEs.

**Subcontractor and Supplier Scopes are due September 29, 2020 and Quotes NO LATER THAN October 5, 2020 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 <https://www.kiewit.com/districts/northern-california/overview> 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 Bond for permanent material Suppliers on this project.

CA Drinking Water State Revolving Fund (CASRF) applies  
American Iron and Steel requirements apply  
Davis-Bacon Wages apply

CA Lic. 433176  
DIR #: 1000001147  
An Equal Opportunity Employer



**Project Name:** 4840 Mission Street  
**Location:** San Francisco, CA  
**Pre-Bid Call:** September 15, 2020 @10:00am  
**Bid Due Date:** September 29, 2020 @2:00pm  
**Labor Reqs:** Prevailing Wage  
**Project Schedule:** Est. Start: Feb/March 2021

Nibbi Brothers has been selected as the General Contractor for the 4840 Mission Street project in San Francisco. We are in receipt of the 50%CD Set and are currently requesting bid proposals from qualified subcontractors including those certified as SBE's for Elevators. **The Contract Monitoring Division (CMD) has set the SBE participation goal for this project at 20%.** We strongly encourage SBEs to bid and participate on this project. For more information about the San Francisco SBE program as it relates to this solicitation please contact Mr. Romulus Asenloo at the City and County of San Francisco Contract Monitoring Division via email at [romulus.asenloo@sfgov.org](mailto:romulus.asenloo@sfgov.org)

4840 Mission Street will be one of the first major developments in the Excelsior District in nearly 25 years. This unique mixed-use development will extend from Mission Street, the Excelsior's commercial "Main Street," through to Alemany Boulevard, a major residential boulevard. The plus/minus 1.5 acre project site is currently occupied by the Valenti Marini Perata Funeral home. This large site provides a unique opportunity to establish a mixed-use, affordable housing development that includes quality public spaces, commercial spaces as well as providing a new home for the community based Mission Neighborhood Health Clinic. The overall development site is plus/minus acres and includes up to 137 below market rate affordable rental units over a new plus/minus 10,000 square foot Clinic and a plus/minus 6,000 square commercial space. 100% of the units are affordable. The development includes 39 residential parking stalls that are not visible from the street that are located partially below grade and accessed from Alemany Blvd at the lowest end of the site. Mission Street, being the high quality transit corridor, supports the proposal for providing minimal parking for the affordable housing, prioritizing residents who do not own or require individual vehicles, as San Francisco's transit first policy.

For any questions on accessing bidding documents, please contact Jacqueline Leiva, Precon & Estimating Coordinator via email, [jacqueline@nibbi.com](mailto:jacqueline@nibbi.com).

For specific questions regarding this project, please contact Mackenzie Courtney, Preconstruction Manager via email, [mackenzie@nibbi.com](mailto:mackenzie@nibbi.com)

## 6 Weird Skyscraper Facts for National Skyscraper Day

Continued from page 5

the end of the Walkie Talkie's troubles. After the building was completed, intense gusts of wind caused by the downdraught effect were so strong they tore signs off neighboring buildings and knocked pedestrians over.

### New York's Windowless Skyscraper

If you've ever walked past the building at 33 Thomas Street in New York City, you've probably noticed it's missing a key architectural feature typically found on skyscrapers: windows. This wasn't some goof by the architect or contractor, the 550-foot tall skyscraper was designed that way on purpose.

The building was designed by John Carl Warnecke for AT&T to house switching equipment, cables, and computers for their Long Lines Department, which is why the building is sometimes called the Long Lines Building. AT&T wanted a building that could withstand a nuclear blast so Warnecke's vision was to build a "20th-century fortress, with spears and arrows replaced by protons and neutrons laying quiet siege to an army of machines within." Completed in 1974, the building is perfect example of the Brutalist architectural style.

The building has its own gas and water supplies and apparently was outfitted with enough food to feed 1,500 workers for two weeks had a nuclear attack, and its ensuing fallout, ever occurred so that those communication lines wouldn't be compromised.

According to an investigative report by The Intercept and based on documents obtained from Edward Snowden, the National Security Agency whistleblower, the building has had a more nefarious use than just a telephone exchange. According to their report, the NSA used the building as a surveillance site with the code name TITANPOINTE.

### SOURCE:

[www.constructconnect.com/blog/6-weird-sky-scraper-facts-for-national-skyscraper-day](http://www.constructconnect.com/blog/6-weird-sky-scraper-facts-for-national-skyscraper-day)

Visit Small Business Exchange at [www.sbeinc.com](http://www.sbeinc.com) to download the latest SBE Newspaper and SBE Today E-Newsletter



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**The Economy, Changing Construction Processes, and Virtual Marketing**

■ Continued from page 8





# Public Legal Notices

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