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How AI Is Advancing Design-Build Processes in Construction

[Article originally appeared in www.constructionexec.com]

By Robert Brown

Artificial intelligence is reshaping modern construction. Here is one Florida company's experience.

Artificial intelligence has moved beyond theory and into the field. Across the construction industry, it is transforming how projects are planned, managed and delivered. From predictive scheduling and safety monitoring to design optimization and client transparency, AI is helping contractors accomplish what they have always aimed to achieve: greater efficiency, fewer surprises and stronger outcomes.

For design-build firms, the value of AI lies in its ability to connect information across every stage of a project. These tools give teams better visibility, allow earlier collaboration and help leaders make decisions with greater precision.

SMARTER PLANNING AND SCHEDULING

AI-driven scheduling platforms are changing the way preconstruction teams plan and allocate resources. By analyzing historical data such as weather trends, labor productivity and equipment performance, these tools can identify potential delays before they occur.

In regions where unpredictable weather patterns are part of every build, predictive modeling has become especially useful. With the use of predictive AI, teams can now evaluate multiple what-if scenarios at the planning stage to forecast potential slowdowns and adjust sequencing in advance. The ability to see how one variable affects the entire project schedule allows for more realistic planning and faster responses in the field.

For design-build contractors, this kind of modeling supports the integrated workflow that defines the delivery method. When estimators, engineers and project managers can visualize the same data, coordination improves and risk decreases. Instead of reacting to change, teams are equipped to manage it proactively.

ENHANCING JOBSITE SAFETY

Safety has always been the cornerstone of successful construction. AI tools are strengthening that foundation by providing additional layers of awareness.

Today's systems use sensors, cameras and machine-learning algorithms to monitor site activity. They can detect unsafe behavior, track equipment movement and alert supervisors to issues before they escalate. Some systems analyze environmental conditions such as heat or air quality to anticipate risks like heat stress or fatigue.

For contractors working in Florida's high-heat conditions, for example, these insights have proven valuable. It is now possible to integrate AI-based observations into daily safety briefings, giving superintendents up-to-date visibility to onsite conditions. The combination of real-time data and human oversight helps prevent accidents and reinforces a culture of accountability.

AI is not replacing traditional safety programs. Instead, it is enhancing them by turning data into practical information that supports field leadership. This kind of technology-driven insight keeps teams safer and projects on schedule.

Continued on page 5

Major Changes Coming to California Private Construction Projects in 2026: What You Need to Know

[Article originally appeared in www.weintraub.com]

By Jessica A. Robison

California has enacted two significant reforms that will reshape private construction contracts starting January 1, 2026. These changes impact change-order payment procedures and retention limits, creating new compliance obligations for owners, contractors, and subcontractors. Please see below for a breakdown of everything you need to know before SB 440 and SB 61 take effect.

1. SB 440 – Private Works Change Order Fair Payment Act (Civil Code §§ 8850–8851)

For contracts signed on or after January 1, 2026, SB 440 introduces California's first mandatory statewide process for handling change-order and extra-work disputes on private works projects.

Key provisions include:

- 30-Day Response Requirement: Owners must respond in writing to contractor claims within 30 days.
- 60-Day Payment Rule: Undisputed amounts must be paid within 60 days or accrue 2% monthly interest.
- Structured Dispute Resolution: Disputed claims require meet-and-confer and mediation before litigation.
- Right to Suspend Work: Contractors may stop work if owners fail to comply with timelines or refuse mediation.
- Subcontractor Protections: Subcontractors can require general contractors to submit claims and approve settlements.
- Waivers Void: Contract provisions waiving these rights are unenforceable.
- Sunset Clause: Law repeals January 1, 2030.

Impact: SB 440 strengthens payment protections for contractors and subcontractors while imposing strict compliance obligations and penalties on owners.

2. SB 61 – Retention Cap on Private Works (Civil Code § 8811)

Also effective January 1, 2026, SB 61 limits retention on most private construction projects to 5% a major shift from the traditional 10%. Key provisions include:

- 5% Maximum Retention: Owners may not withhold more than 5% retention on private works projects.
- Flow-Down Requirement: General contractors cannot withhold more than the owner withholds.
- Residential Exception: The cap does not apply to residential projects unless mixed-use and over four stories.
- Bond Exception: Higher retention allowed if a subcontractor fails to provide a required performance/payment bond.
- Attorneys' Fees: Prevailing parties in enforcement actions recover reasonable attorneys' fees.

Impact: Contractors and subcontractors benefit from improved cash flow, while owners may need to rely more on performance bonds and quality-control measures.

Visit the link below for the full article: https://tinyurl.com/bdx4y6um

CALIFORNIA SUB-BID REQUEST ADS

FlatironDragados BESSAC

Request for Quotes from Subcontractors/Suppliers/Service Providers
Participation is Encouraged

City of Daly City
Vista Grande Drainage Basin Improvements Project

Work includes shaft, portal, and tunnel construction; tunnel enlargement; wetland construction; construction of a collection box, culvert sections, diversion structure, and solids removal device in an existing canal; outfall piping, concrete outfall structure, and outfall apron; demolition work, intake system, roadway improvements, associated electrical, mechanical and instrumentation work including an instrumentation building, and site restoration.

Bid Date: December 23rd, 2025 at 2:00 PM

Engineer's Estimate: $137M

****Quotes not received by 11:00 AM on bid day may not be reviewed/evaluated****

Flatiron Dragados Constructors, Inc. (FDCI) requests subcontractor/supplier/service participation for the following Items of work, but not limited to: Construction Area Signs & Roadway Signs, Clear & Grub, Erosion Control, Landscaping/Irrigation including NPS Mitigation Planting, AC Paving, Rebar, Shotcrete, Soil Nail Walls, Tie Back Anchors, Underground Utilities, Fencing, Metal Railing, Striping & Markings, Electrical, Minor Concrete, Masonry, Cellular Concrete, Furnish Precast Members, Aggregates including: Clean Rock, Ready Mix Concrete (Structural), Misc. Metals, Trucking Services, SWPP Plan & SWPP Materials, Street Sweeping, Traffic Control, Sheet Pile Installation, Dewatering, Mechanical Equipment (Furnish and Install), Shoring/Excavation, Effluent Rehabilitation PICC, Wetlands Liner/Planting/V Ditch/Site Stairs, Water Treatment System, CMU Building, Handrails, SST Gates/Trash Racks, Structural Steel, Fiberglass Grating, Metal Siding/Roofing, Doors, Coating Systems/Paint, Vibration Monitoring, Survey, QC Testing, Centrifugal Axial Flow Pumps, Electric Motors, SST Side Gates, Submersible Chopper Pumps, Gross Solids Removal Devices, Fish Screens, Piping/Gate – Butterfly Valves/Check Valves, Building Electrical, Site Electrical/Grounding, & Instrumentation/PCC/600V MCC/Pumps.

*** Subcontractors will be required to execute a Community Benefits Agreement with the City of Daly to comply with workforce goals. EPA forms are required from selected subs/suppliers & service providers***

100% performance/payment bonds will be required for the full amount of the subcontract price. Please contact FDCI for any assistance with this solicitation, including obtaining bonding, insurance, equipment, materials and/or supplies. Provide subcontractor/supplier scopes/quotes as early as possible to enable estimators to perform a thorough evaluation of all quotes received. Quotes will be broken down into comparable packages as reasonably necessary to facilitate participation. Quotes must be valid for the same duration as specified by the Owner for Contract Award. We are signatory to Operating Engineers, Laborers, Cement Masons, Carpenters and Pile Drivers Unions. Non-signatory subs will be required to sign an agreement for trades covered under our union agreements. Flatiron intends to work cooperatively with subcontractors and suppliers for all bid items you are licensed and qualified to perform. Bid items can be split to facilitate participation from all firms. FDCI will reimburse for bond premium up to 2%. **Firms must possess & provide current contractor's license number & DIR Registration number on the quote**. Firms must possess insurance and workers compensation coverage meeting project requirements. Waiver of Subrogation is required. Please contact FDCI for any assistance required by your firm. Subcontractors/Suppliers will be required to execute our standard agreements and agree to the standard general terms & conditions. Copies are available for review on our Box.com ftp site upon email request.

To view and download projects docs for FREE from the City of Daly City website, use the following link: Bid Postings • Vista Grande Drainage Basin Improvements Project • https://dalycity.org/bids.aspx?bidID=10

To access **FREE** project documents from our Flatiron BOX ftp site, please send an email request to NorCalBids@FDcorp.com You will be provided with a BOX link to view & download plans and specs for **FREE** from our BOX.com ftp site. Please send an email if you would like to schedule an appointment to review project documents virtually or meet with an estimator in our office. These services are offered by appointment only. Building Connected website will be accessible for this project as well.

Please send all quotes by email to **NORCALBIDS@FDcorp.com**

FD-Bessac Vista Grande JV
1200 Concord Ave., Suite 465, Concord, CA 94520
Phone 707-742-6000 Bid Fax 707-746-1603
An Equal Opportunity Employer

CREEKSIDE Building Community INTEGRITY TRANSPARENCY ADAPTABILITY

Invitation for Subcontractor Bids: Contra Costa Demolition of Old Juvenile Hall
Contract Name: Contra Costa Demolition of Old Juvenile Hall
Bid / Contract #: WW1065
Certs Needed: MBE, WBE, OBE, SBE, LBE, and DVBE
Bid Date: 12/3/25 @ 02:00 pm
Awarding Agency: Contra Costa County
Location: Martinez, Contra Costa County, CA

The Work consists of demolition, hazardous materials abatement, site improvements, and a new emergency generator with chain link enclosure at the Contra Costa County Old Juvenile Hall.

We are seeking quotes from certified MBE, WBE, OBE, SBE, LBE, and DVBE Subcontractors or Suppliers for Traffic Control, Erosion Control, Survey, Demolition, Abatement, Concrete, Steel, Rough Carpentry, Sound Insulation Panels, Painting, Plumbing, Mechanical, Electrical, Low Voltage, Grading, Fences and Gates, Landscaping, and Underground Utilities.

The MBE, WBE, OBE, SBE, LBE, and DVBE participation goal for the project is participation to the greatest extent possible.

-- This project is subject to a PLA, along with prevailing wage, and affirmative action requirements.—

Pricing Due: 12/3/25 before 2:00 pm (preferably in the morning).

Please send bids and questions to Holly at **hhockett@creeksideinc.net** . Holly can also be reached at 916-546-1389. Bids should be submitted the morning of 12/3/25 to provide adequate time for review. All bid documents (including plans, specification, and requirements) can be found here: **https://app.buildingconnected.com/public/5cf5604be4e52b001881cdc9**

Please monitor the website for addendums as they may be released.

Please reach out to Holly with any questions regarding bonding, lines of credit, and/or insurance.

Bidder/Company Name: Creekside Commercial Builders Inc.
Outreach Coordinator: Holly Kuchenthal • Contact Phone: (916) 546-1389 • Contact Fax: (916) 783-9064
Contact Email: estimating@creeksideinc.net
Company Address: 3131 Peacekeeper Way, STE 400, McClellan Park, CA 95952

Graniterock

5225 Hellyer Avenue, Suite #220, San Jose, CA 95138
Phone (408) 574-1400 • Fax (408) 365-9548
Contact: Randy Bonino & David Kennedy
Email: estimating@graniterock.com

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

I-280 / Wolfe Road Interchange Improvement
Contract No.: C24263
Owner: Santa Clara VTA
Location: Cupertino, CA
Engineers' Estimate: $85,000,000
BID DATE: December 18, 2025 @ 2:00 PM

Items of work include but are not limited to: Temporary Crash Cushion, Lead Compliance Plan, Surveying, Vibration Monitoring, Develop Water Supply, Construction Staking, Construction Area Signs, Traffic Control, Stationary Impact Attenuator Vehicle, Type III Barricade, Portable Radar Speed Feedback Sign System, PCMS, SWPPP, Adjust Utilities, Temporary Erosion Control, Street Sweeping, Asbestos Compliance Plan, Treated Wood Waste, Temporary High-Visibility Fence, Clearing & Grubbing, Irrigation & Hydroseed, Landscape, Prime Coat, AC Dike, Tack Coat, CIDH Concrete Pile, Minor Concrete, Signs, Pedestrian Barricade, Reinforced Concrete Pipe, Rock Slope Protection, Misc. Iron & Steel, Electrical, Sewer& Storm Drain Work, Chain Link & Steel Fence, Pavement Marker, Delineator, Midwest Guardrail System, Concrete Barrier, Striping & Markings, Camera Systems, Structure Excavation & Backfill, Structural Concrete/Bridge, Erect Precase Prestressed Concrete, Joint Seal, Rebar, Lightweight Cellular Concrete Fill (Class I), Drilling, Grinding & Milling, Masonry, Remove Concrete Barrier & Soundwall, Painting & Staining, Sawcutting, Bridge Removal, Tree Removal, Form Liners, MSE Wall, Sign Structures and Trucking.

Granite Rock Company 'Graniterock' is signatory to Operating Engineers, Laborers, Teamsters, Carpenters and Cement Masons unions. 100% performance and payment bonds will be required from a qualified surety company for the full amount of the subcontract price. Bonding assistance is available. Graniterock will pay bond premium up to 1.5%. In addition to bonding assistance, subcontractors are encouraged to contact Graniterock Estimating with questions regarding obtaining lines of credit, insurance, equipment, materials and/or supplies, or with any questions you may have. Subcontractors must possess a current contractor's license, DIR number, insurance and worker's compensation coverage. Subcontractors will be required to enter into our standard contract. Graniterock intends to work cooperatively with all qualified firms seeking work on this project.

We are an Equal Opportunity Employer

Sub-Bids Requested from qualified SBE Subcontractors and Suppliers for:

C0714 – ALMADEN VALLEY PIPELINE REPLACEMENT PROJECT – PHASE 1
Owner: Santa Clara Valley Water District
Location: San Jose & Unincorporated Areas of Santa Clara County, CA
Bid Date: December 17, 2025 @ 2:00 P.M.

J.F. SHEA Construction

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:
Demolition, Filter Fabric, Erosion Control, Aggregates, AC Paving, Curb & Gutter, Traffic Control, Fencing, Ready-Mix Concrete, Reinforcing Steel, Precast Structures & Vaults, Welded Steel Pipe, Miscellaneous Metals, Painting & Coatings, Electrical & Instrumentation, Corrosion Control, and Cement Mortar Pipe Lining & Coating

Plans and Specifications: You may download a free set of project documents from PlanetBids at: https://vendors.planetbids.com/portal/48397/portal-home . Prior to gaining access to all project documents from PlanetBids, you must sign the Non-Disclosure Agreement from PlanetBids and email it to scvwdplanroom@valleywater.org . Plans may also be viewed at our office at 4309 Hacienda Drive, Suite 170, Pleasanton, CA 94588. J.F. Shea Construction, Inc. is an equal opportunity employer and intends to negotiate in good faith with interested SBE 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.

CALIFORNIA SUB-BID REQUEST ADS

Jonathan Wickman
estimating@wickmandev.com
O: 415-239-4500 X 104 | F: 415-239-4511
550 West Grand Ave, Oakland, CA 94612
CA License No. 970768

Invitation to Bid
Subcontractor, Supplier or Vendor

Project Name: Brookside Mental Health Rehabilitation Center

Project Owner: Contra Costa County | Project No. 135-2401

Project Location: 847B Brookside Drive, Richmond, CA 94804

Bids Due: December 17th, 2025 at 2:00 PM

Certified MBEs, WBEs, OBEs, SBEs, LBEs and DVBEs Contractors are encouraged to bid.

Subtrades Needed: Demo, Concrete, Masonry, Metals, Wood/Plastics/Composites, Thermal and Moisture Protection, Openings, Finishes, Specialties, Equipment, Fire Suppression, Plumbing, Mechanical, Electrical, Communications, Earthwork, Site Improvements, and Utilities.

Bid Documents: https://www.dropbox.com/scl/fo/91wysvovtdwtediqk5y69/ANluItATGF8ffzqxSAhpK5Q?rlkey=2rsx2n06h1u88stjyx ezznep7&st=r550u9pt&dl=0

Participation Goals: DVBE, DBE, MBE, SBE, LBE, WBE, OBE

WD&C is capable of providing assistance in obtaining bonds, lines of credit and insurance.

For all project information, questions, and proposal submissions estimating@wickmandev.com

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Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: City of Parlier Wastewater Treatment Plant Improvements (REBID)
Owner: City of Parlier
Bid Date: December 3rd, 2025 @ 2:00 P.M.

We are requesting quotes from all qualified DBE Subcontractors and Suppliers but not limited to:

PIPE SUPPLIERS, PIPE SUPPORTS, PRECAST MATERIALS, MISC. METALS, CONCRETE STRUCTURES, ELECTRICAL, HANDRAILING, STEEL PIPE, MASONRY, ROLL-UP DOORS/ACCESS DOORS/DOORS & HARDWARE, PUMPING PLANT ELECTRICAL EQUIPMENT, GENERATORS/SWITCHGEAR, HVAC/MECAHNCIAL, DRAINAGE PUMPING EQUIPMENT, PAINTING/COATINGS, ROOFING, GRATE, WOOD TRUSS, VALVES/WATER MAIN/ TEMP FACILITIES, LINER.

Project Description:

The major work consists of the replacement of an existing aerated lagoon wastewater treatment plant with a new extended aeration treatment facility. The new treatment facility will provide aeration via turbo blowers and floating aerator chains with motorized butterfly valves. Secondary treatment will be provided by two circular clarifiers with spiral blade scrapers, density current baffles, and fiber glass weirs. Sludge will be pumped by three self-priming chopper pumps and either recirculated to the plants new influent structure or directed to the high-rate textile media sludge drying beds for dewatering. Polymer will be injected prior to the discharge of the sludge into the sludge drying beds. Scum collected by the secondary clarifiers will also be pumped via submersible pumps to the sludge drying beds. The water collected by the sludge drying beds will be directed to a drain pump station where two submersible pumps will recirculate the drain water back into the plant. Plant effluent will be collected within existing storage ponds and distributed to four new reclamation fields via two mixed flow impeller vertical turbine pumps.

All new equipment will be housed in CMU buildings.

Project information, including plans & specifications can be found by contacting:

estimating@mountaincascade.com

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

Mountain Cascade Inc. is an Equal Opportunity Employer
California License # 422496

This is Part of a Good Faith Outreach. Your response is greatly appreciated

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Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: Almaden Valley Pipeline Replacement Project
Project No. 92304001
Owner: Santa Clara Valley Water District
Bid Date: December 17th, 2025 @ 2:00 P.M.

We are requesting quotes from all qualified SBE and all other Subcontractors and Suppliers but not limited to:

AGGREGATES, CONCRETE MATERIAL, LOW DENSITY CELLULAR GROUT, CONCRETE STRUCTURES, AIR-BLOWN MORTAR, WELDED STEEL PIPE, TRUCKING, PAINTING/COATINGS, VALVES/WATER MAIN/TEMP FACILITIES

Project Description:

The scope of work includes but is not limited to; Furnish, deliver, install and test 19,000 ft of steel pipeline liner. Drain and remove water from pipeline. Design and install excavation shoring. Excavation at pipeline access sites. Handling naturally occurring asbestos in soil. Demolish existing vaults and install new vaults. Install cement mortar lining to pipeline liners. Grout the annular space between the host pipeline and pipeline liner. Logistical Support including traffic control. Install new large-diameter valves. Logistical support for maintenance, decommissioning and removal of acoustic fiber optic monitoring system. Clearing and grubbing. Environmental support and BMP management. Prepare and coat all new pipeline components. Restore impacted work sites to previous existing condition. Return the Almaden Valley pipeline to service after each scheduled shutdown.

Project information, including plans & specifications can be found by contacting:
https://vendors.planetbids.com/portal/48397/portal-home
or
estimating@mountaincascade.com

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

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Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: Firebaugh WWTP Improvements
Project No. C-06-8124-210
Owner: City of Firebaugh
Bid Date: December 9th, 2025 @ 2:00 P.M.

We are requesting quotes from all qualified DBE Subcontractors and Suppliers but not limited to:

AGGREGATES, ASPHALT, CONCRETE MATERIALS, PIPE SUPPLIERS, DRAINING SYSTEMS PIPE SUPPLIERS, STORM WATER SYSTEMS PIPE SUPPLIERS, PRECAST MATERIALS, EROS MATERIALS, BYPASS PUMPING, CIDH PILES, DEWATERING, ELECTRICAL-BUILDING, HANDRAILING, JACKED CORRUGATED STEEL PIPE, MASONRY, PILE DRIVING, REINFORCING STEEL, SHORING SUBS, CONVEYOR/EQUIPMENT RENTAL, BATHROOM FIXTURES, BUILDING MASONRY, PUMPING PLANT ELECTRICAL EQUIPMENT, DRYWALL, GENERATORS/ SWITCH GEAR, HVAC/MECHANICAL, PAINTING/COATINGS, PLUMBING, ROOFING, STUCCO, TANKS, SOIL STABILIZATION

Project Description:

The scope of work includes but is not limited to; upgrading the City of Firebaugh's Wastewater Treatment Plant to an extended aeration activated sludge plant. Project will construct an aerated lagoon reactor by installing a floating chain aeration system in the existing polishing ponds. The floating chain aeration system will consist of aeration chains with diffuser assemblies. Project will also include the installation of blower for further aeration, two (2) secondary clarifiers, a return activated sludge/waste activated sludge pumping station, sludge dewatering system and storage pad, and constructing effluent storage ponds.

Project information, including plans & specifications can be found by contacting:
estimating@mountaincascade.com
https://www.valleybx.com/

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

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California License # 422496

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Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: Package 2 for Roads Program CIP
Project No. 23-068
Owner: City of Turlock
Bid Date: December 9th, 2025 @ 2:00 P.M.

We are requesting quotes from all qualified Subcontractors and Suppliers but not limited to:

AGGREGATES, ASPHALT, CONCRETE MATERIAL, SLURRY, PIPE SUPPLIERS, PRECAST MATERIALS, AC OILS, ANALYTICAL TESTING, ASPHALT GRINDING, CCTV, CONCRETE FLATWORK, CONSTRUCTION AREA SIGNS, DEMOLITION, EROSION CONTROL, REINFORCED CONCRETE PIPE, LIME TREAT, SAWCUTTING, STRIPING, SURVEYINGSWPP PLAN ONLY, TRAFFIC CONTROL, TREE REMOVAL/ARBORIST, TRUCKING, ROAD SIGN/ SIGNAGE, FUNDING SIGNS

Project Description:

The Scope of work includes but is not limited to; gutter, sidewalk and alley approach reconstruction, ADA curb ramp construction, cold planning of existing roadway, full depth reclamation for pavement rehab, adjusting existing manholes and valve covers to grade, signing and striping, and traffic control.

Engineer's Estimate: $7,754,000

Project information, including plans & specifications can be found by contacting:
estimating@mountaincascade.com
or
http://www.cityofturlock.org/capitalprojects

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

Mountain Cascade Inc. is an Equal Opportunity Employer
California License # 422496

This is Part of a Good Faith Outreach. Your response is greatly appreciated

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Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: Urban Pocket Area 44
Contract No. 230003
Owner: County of Stanislaus
Bid Date: December 9th, 2025 @ 10:00 A.M.

***** MCI requests that all quotes be received no later than 12/8/25 @12P.M. to ensure that the quote has been reviewed*****

We are requesting quotes from all qualified Subcontractors and Suppliers but not limited to:

AGGREGATES, ASPHALT, CONCRETE MATERIAL, SLURRY, LOW DENSITY CELLULAR GROUT, PIPE SUPPLIERS, PRECAST MATERIALS, AC OILS, ASPHALT GRINDING, CCTV, CONCRETE FLATWORK, CONSTRUCTION AREA SIGNS, DEMOLITION, EROSION CONTROL, FENCING, REINFORCED CONCRETE PIPE, SAWCUTTING, STRIPING, SURVEYING, SWPP PLAN ONLY, TRAFFIC CONTROL, TREE REMOVAL/ARBORIST, TRUCKING

Project Description:

The Scope of work includes but is not limited to; constructing new curb, gutter, sidewalk, ADA curb ramps, drainage inlets, storm drain piping and manholes, water mains, water services, fire hydrants, and new pavement.

Engineer's Estimate: $10,600,000

Project information, including plans & specifications can be found by contacting:
estimating@mountaincascade.com
or
https://www.planetbids.com/portal/portal.cfm?CompanyID=14599

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

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California License # 422496

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CALIFORNIA SUB-BID REQUEST ADS

Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: Fish Screen Project
Project No. 184031567
Owner: Meridian Farms Water Company
Bid Date: December 16th, 2025 @ 2:00 P.M.

We are requesting quotes from all qualified Subcontractors and Suppliers but not limited to:

PIPE SUPPLIERS, DRAINING SYSTEMS PIPE SUPPLIERS, STORM WATER SYSTEMS PIPE SUPPLIERS, CIDH PILES, CONCRETE STRUCTURES, DEMOLITION, ELECTRICAL – BUILDING, FENCING, MASONRY, SHORING SUBS, MISC. METALS, PUMPING PLANT ELECTRICAL EQUIPMENT, PAINTING/COATINGS, VALVES/WATER MAIN/TEMP FACILITIES

Project Description:

The scope of work includes but is not limited to; A new 135 cubic feet per second (cfs) diversion with fish screen on the Sacramento River and land-side pumping plant. A new 35 cfs pumping plant located at the end of the Main Canal. Modifications to deliver flows to the Drexler service area. The Work also includes testing and repair of the existing Drexler Pipeline and replacement of the outlet box. Modifications to approximately 13,900 lineal feet of concrete lined canal to increase the conveyance capacity.

Engineer's Estimate: $40,000,000

Project information, including plans & specifications can be found by contacting:
estimating@mountaincascade.com

PlanWell® - The plans are the project https://customer.planwell.com/PWELL_Main.asp?mem=1027

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

Mountain Cascade Inc. is an Equal Opportunity Employer
California License # 422496

This is Part of a Good Faith Outreach. Your response is greatly appreciated

Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: Backcountry Pump Station
Project No. CIP26-1001-10
Owner: Santa Clarita Valley Water Agency
Bid Date: December 17th, 2025 @ 2:00 P.M.

***** This is an electronic bid – please have quotes to MCI by 12pm on bid day to ensure the quotes have been received and reviewed*****

We are requesting quotes from all qualified Subcontractors and Suppliers but not limited to:

AGGREGATES, ASPHALT, CONCRETE MATERIAL,SLURRY, PIPE SUPPLIERS, PRECAST CONCRETE MATERIALS, EROS MATERIALS, ASPHALT PAVING/STAMPED, BORE & JACK, CATHODIC PROTECTION, CONCRETE FLATWORK/PAVEMENT/PUMPING/SEALING/STRUCTURES, CONSTRUCTION AREA SIGNS, ELECTRICAL-BUILDING, EROSION CONTROL, FENCING & STEEL ROLLING GATES W/MOTORIZED ENTRY, REINFORCED CONCRETE PIPE, SITE SECURITY FENCING & CAMERAS, PIPE SUPPORTS & HANGERS, NON-STRUCUTRAL METAL FRAMING, PVC PLASTIC PIPE, JOINTS SEAL, MASONRY, REINFORCING STEEL, STRUCTURAL STEEL & FABRICATED METALS, SURVEYING, SWPPP, FABRICATED WELDED STEEL PIPE & FITTINGS, DIP & FITTINGS, ACCESS HATCHES, TRUCKING, OVERHEAD BRIDGE CRANE & HOIST, ACCESS DOORS & HARDWARE, BLDG. & WALL MASONRY, BLDG. CONSTRUCTION, PUMPING PLANT ELECTRICAL EQUIPMENT, DAMPPROOFING, EARTHWORK, GENERATORS/SWITCHGEAR,HVAC/MECHANICAL, PAINTING/COATINGS, METAL ROOFING & SHEET METALS, TANKS, WATERPROOFING,GRATE, B-DECKING, WOOD TRUSS, WATER PIPELINE DISINFECTION, VALVES/WATER MAIN/TEMP FACILITIES, VINYL WINDOWS, BLDG. INSULATION, OVERHEAD COILING DOOR, VERTICAL TURBINE PUMPS.

Project Description:

The project generally consists of but not limited to: construction of a 7,200 square-foot building to serve as a potable water pump station with backup generator. The pump station includes but not limited to the suction and discharge headers, eight pump cans, four pumps, four motors, and associated electrical power distribution, lighting, and instrumentation & controls; and site work including a paved service road, site security fencing,

Project information, including plans & specifications can be found by contacting:
estimating@mountaincascade.com

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

Mountain Cascade Inc. is an Equal Opportunity Employer
California License # 422496

This is Part of a Good Faith Outreach. Your response is greatly appreciated

DBE SUBCONTRACTORS/SUPPLIER BIDS/PROPOSALS REQUESTED

Project: IFB No. OP129922(2) - Tunnel Grouting Services
Bid/Proposal Submittal Date: Monday December 8, 2025 2:00 PM.
OWNER: Los Angeles County Metropolitan Transportation Authority (LACMTA)

Performance/Payment/Supply Bond May Be Required.
We can provide assistance in obtaining bonds and insurance.

This advertisement is in response to LACMTA 's DBE program. Frontier-Kemper Constructors, Inc intends to conduct itself in "good faith" with DBE firms regarding participation on this project. Contract documents including IFB, Statement of Work and Schedule of Quantity and Prices are available in our office Monday-Friday 8:00 AM to 5:00 PM, from LACMTA or on our FTP site by contacting: swilson@frontierkemper.com.

Quotes are required by COB, December 4, 2025, so that all bids/proposals can be fairly evaluated. Please submit bids/proposals for the following work (including but not limited to):

• Tunnel HVAC

• Tunnel Mechanical

• Tunnel Electrical

• Tunnel Plumbing

All Services provided under the resulting Contract have a Period of Performance of five (5) years, plus three (3) one (1) year options on an Indefinite Delivery, Indefinite Quantity (IDIQ) basis. Bids will include all-inclusive labor rates for relocating and maintaining tunnel systems in accordance with the Schedule of Quantities and Prices.

Contact for bids and contract documents: Scott Wilson, Senior Estimator, Frontier-Kemper 15900 Olden St, Sylmar, CA 91342 swilson@frontierkemper.com (818)362-2062.

Mountain Cascade Inc.
555 Exchange Court, Livermore, CA 94550
(925) 373-8370, Fax (925) 373-0940

Project: Construction on State Highway in Monterey County
Contract No. 05-1J8804
Owner: Caltrans
Bid Date: December 2nd, 2025 @ 2:00 P.M.

We are requesting quotes from all qualified Subcontractors and Suppliers but not limited to:

AGGREGATES, ASPHALT, CONCRETE MATERIAL, SLURRY, PIPE SUPPLIERS, STORM WATER SYSTEMS PIPE SUPPLIERS, PRECAST MATERIALS, EROS MATERIALS, AC DIKES, AC OILS, ASPHALT GRINDING, BORE & JACK, CONCRETE PUMPING, CONCRETE STRUCTURES, CONSTRUCTION AREA SIGNS, DEWATERING, ELECTRICAL-STREET LIGHTS/TRAFFIC SIGNALS/LOOPS, EROSION CONTROL, FENCING, GUARDRAIL (METAL & CONCRETE), HYDROSEEDING, REINFORCED CONCRETE PIPE, JACKED REINFORCED CONCRETE PIPE, CORRUGATED METAL PIPE, K-RAIL, LANDSCAPING/IRRIGATION, PIPE BURSTING HDPE, REINFORCING STEEL, SAWCUTTING, STRIPING, SWPP PLAN ONLY, TRAFFIC CONTROL, TREE REMOVAL/ARBORIST, TRUCKING, PAINTING/COATINGS, GRATE, ROAD SIGN/SIGNAGE

Project Description:

The scope of work includes but is not limited to: Repair or replace portions of 22 drainage culvert systems along State Route 68. Lighting system improvements near the interchange of SR 68 and Fairground Road which include replacing lighting elements, such as bulbs and electrical panels, as well as the replacement of underground conduit systems and service connection cabinets. Install two traffic census stations along the SR 68 corridor.

Engineer's Estimate: $8,200,000

Project information, including plans & specifications can be found by contacting:
estimating@mountaincascade.com
or visiting
http://ppmoe.dot.ca.gov/des/oe/weekly-ads

Please feel free to contact Mountain Cascade, Inc. at 925.373.8370 with any questions concerning bonding, insurance, lines of credit, and job overview. We look forward to your response.

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California License # 422496

This is Part of a Good Faith Outreach. Your response is greatly appreciated

MAR CON BUILDERS, INC.

8108 CApwell Dr, Oakland, CA 94621
Tel: 510-639-1914

Mar Con Builders is bidding as a " General Contractor", requesting bid quotations from all subcontractors and suppliers and **MBEs, WBEs, OBEs, SBEs, LBEs, and DVBEs** Subcontractors/Suppliers for the following

Title: Contra Costa County Demolition of Old Juvenile Hall

Project Address: 2202 Glacier Drive Martinez Contra Costa CA 94553

Bid Date: December 3rd, 2025 AT 2PM

Project Description:

The project includes two phases:

Phase 1

- Provide security fencing along the perimeter of the scope of work area.
- Installation of new temporary contractor laydown area.
- Installation of H-piles to support existing walls and new concrete retaining walls.
- Infill existing windows at stairwells to remain.
- Installation of new steel for fence truss support and new chain link fence at new concrete wall.
- Installation of the new emergency generator, concrete pad, chain link enclosure, conduits, feeders, panels, etc. Provide a fully functioning emergency generator power connection into the electrical panel in the Monticello basement.
- Installation of new concrete/chain link security wall at play yard east. Installation of chain link security fencing at basketball court area north and east sides.
- Removal and abatement of all hazardous materials indicated on the contract documents and hazardous reports provided by owner.

Phase 2

- Removal of existing emergency generator, chain link enclosure, and all remaining electrical elements between the existing generator and the new generator locations.
- All other demolition or new construction activities indicated on the contract documents include:

o The demolition and removal of the old juvenile hall, boys' and girls' wings, classroom building and site features shown to be removed.

o Removal of existing buildings/footings, concrete security walls, utility tunnels, and other building features defined on the drawings.

o Removal of all mechanical, electrical, fire alarm, fire sprinklers, and plumbing elements within the building.

o Removal of all site utilities shown to be removed to their point of connection. Cap utility connections at their source.

o Removal of hardscape materials, trees, shrubs, fencing, concrete walls, security fencing & enclosures.

- Install new storm drains and drop inlets.
- Backfill trenches to 90% compaction. Provide as-built drawings of all underground utilities removed.
- Import engineered fill and grading per documents
- Install new irrigation system, landscaping, and hydroseed site per contract documents..

Trade Needed: Demolition, Site Work, Site Utility, Landscaping, Plumbing, HVAC, Electrical, Chain Link Fences, Drywall, Concrete, Metal

Plans and specifications can be downloaded from the link here CCC Demolition of Old Juvenile Hall

It is our policy to provide assistance, when possible, in obtaining bonds, lines of credit, and/or insurance. Please contact Lauren at the noted phone number.

Please email us your Bid Proposal to bids@marconcompany.com prior to the Bid Date.

Mar Con Builders
8108A Capwell Drive, Oakland, CA 94621.
Estimator: Eugene Zhu, Phone: 510-722-4786
Email: bids@marconcompany.com / Eugene@marconcompany.com

5 Modern Methods for Monitoring Concrete Quality at the Jobsite

[Article originally appeared in www.forconstructionpros.com]

By Aali Alizadeh, PhD, P.Eng.

Concrete properties and quality testing are advancing as new technologies enter the industry. Traditional methods, such as break tests, remain widely accepted in standardized practices, but jobsites today demand precise and timely data. The most innovative projects now use digital tools that allow crews to monitor concrete workability and concrete strength continuously and in real time from batch to pour.

What are the key innovations transforming how concrete properties are measured and managed? Let's take a glimpse into modern methods that support better decision-making, improve quality assurance, and enhance scheduling.

Why Traditional Concrete Testing Isn't Enough

For decades, concrete quality control has relied on a few established methods, such as compressive cylinder breaks, slump cone tests, and air content checks, to measure performance. While still valuable, these practices provide only isolated data points. Cylinder breaks occur days or weeks after casting, long after mix designs leave the plant; slump tests at the chute tell you little about the consistency during transport; and field-cured cylinders can be compromised by handling errors.

This disconnect can lead to rework and added costs. A mix may be perfect leaving the plant, yet variations in moisture, temperature, or revolutions in transit can alter slump by the time it reaches the site. On the job, crews may strip formwork or apply load based on fixed curing assumptions instead of actual strength.

As projects grow more complex and timelines tighten, these blind spots create risk. Modern, data-driven approaches bridge these gaps by capturing a complete picture of concrete behavior at different stages, starting with mix optimization and quality checks at the batch plant, continuing with real-time slump and temperature monitoring during delivery, and culminating with on-site strength measurement. Combined with targeted lab testing and visual inspections, these tools strengthen quality control at every stage.

Let's look at five modern methods helping contractors and producers improve decision-making, enhance quality assurance, and keep schedules on track.

1. Maturity Monitoring with Wireless Embedded Sensors

One of the most commonly adopted modern techniques is maturity monitoring. Based on ASTM C1074, this method links temperature history with strength gain by using embedded sensors placed directly in the concrete pour. Modern maturity sensors:

- Track temperature and calculate strength automatically in real time
- Reduce the need for field-cured break tests in many cases
- Provide wireless data access through mobile apps or cloud dashboards
- Integrate with scheduling or BIM platforms for smoother communication, if necessary

Unlike wired technologies that require manual thermocouple readings and spreadsheets, newer systems offer long battery life, and cloud synchronization. This allows field teams and project managers to check in-place strength without waiting for lab results or physical data retrieval. These advances also help with quicker and safer decision-making.

For example, premature structural loading. This happens when weight or stress is put on concrete before it is strong enough to handle it. Taking off formwork or applying post-tensioning too soon can lead to cracks, changes in shape, partial failures, or in worst-case scenarios, blowouts. This compromises the structure's safety and integrity. Modern real-time strength monitoring helps reduce this risk by giving accurate information on when concrete reaches the required strength, improving safety and productivity.

2. Real-Time Slump & Workability Monitoring

Slump is one of the most widely used indicators of concrete workability. It measures how much a concrete sample settles or 'slumps' after being put and consolidated in a standard cone and then released (ASTM C143). While straightforward, its accuracy can vary based on environmental conditions and operator technique. For projects that need strict control over mix performance, especially during pumping or placing, real-time workability monitoring offers significant benefits. Emerging systems now enable:

- In-transit slump tracking with non-invasive sensors installed in ready-mix trucks
- On-site automated measurement
- Continuous data collection linked to batch records and delivery times

These technologies give a clearer view of how concrete behaves from batching to placement. They help ensure consistency, reduce rejected loads, and promote more efficient scheduling. For concrete truck drivers, the ability to detect and fix slump issues in real time decreases variability and keeps pours on schedule. It also assists batch plant teams when adjusting loads in the yard, offering an added layer of safety and quality control through continuous monitoring.

3. Self-Calibrating Strength Sensors

A major leap in concrete monitoring technology comes from self-calibrating strength sensors. Traditional maturity methods require creating a calibration curve for each mix. Self-calibrating sensors go a step further to remove manual calibration and mix dependency.

Some self-calibrating strength sensors use Concrete Electro-Mechanical Microstructural Analysis (CEMMA) technology to directly measure the concrete microstructural response. The result is real-time strength data with high accuracy, regardless of the weather, changes to your mix order, or variability of mixes from truck to truck.

By automatically adjusting to different mix designs and environmental conditions, self-calibrating sensors provide a new form of precision. Using this innovation means plant managers can trust the strength data for multiple mix designs, and site crews can pour, strip, and post-tension with greater confidence, without worrying about mix fluctuations affecting concrete quality.

4. Acoustic Resonance and Ultrasonic Pulse Echo Testing

Acoustic methods are gaining renewed interest thanks to improvements in sensor design and signal processing. Devices that use resonance frequency shifts or ultrasonic echo patterns can evaluate early-age strength development and internal flaws without damaging the concrete. These systems:

- Detect changes in stiffness and modulus over time
- Identify voids, honeycombing, or other defects in precast elements and cast-in-place structures.
- Provide non-destructive thickness and internal imaging, useful in precast plants or for quality assurance on critical elements like bridge girders.

Visit link for the full article: https://tinyurl.com/5n8mfnjv

How AI Is Advancing Design-Build Processes in Construction

Continued from page 1

OPTIMIZING DESIGN AND SUSTAINABILITY

AI is also reshaping the design process. Generative-design platforms can produce and analyze dozens of structural options in minutes, assessing each for cost, efficiency and energy performance.

In a design-build workflow, this means potential issues can be identified long before construction begins. Engineers and architects can collaborate with estimators to evaluate which options balance material usage, strength and constructability. Early insights often lead to leaner, more efficient designs that reduce waste and improve overall sustainability.

Another example: A recent Florida marina project benefited from AI-assisted analysis that optimized tilt-up wall panel layouts for both strength and material efficiency. The result was a shorter construction timeline and reduced concrete use without compromising structural performance.

The same principles apply across other markets, from industrial warehouses to mixed-use developments. Smarter design modeling not only improves environmental outcomes but also helps owners reach long-term cost and performance goals.

IMPROVING CLIENT TRANSPARENCY

AI is enhancing communication between contractors and clients by providing real-time project visibility. Digital dashboards and data analytics tools allow owners to monitor schedules, budgets and performance indicators directly.

This approach strengthens trust and simplifies collaboration. Instead of waiting for a progress meeting, clients can access up-to-date information and visualize the impact of changes as they happen. Transparency improves decision-making, reduces misunderstandings and aligns expectations across the project team.

Integrating AI-based reporting into an open and collaborative design-build framework allows a company to communicate information more clearly and efficiently. Owners can see measurable progress at each stage, reinforcing confidence in the process and the final product.

CONNECTING AUTOMATION AND FUTURE BUILDING

AI is increasingly connected to automation and robotics on the jobsite. Autonomous equipment, drone surveying and robotic layout systems are already improving accuracy and productivity. These technologies gather vast amounts of data that, when analyzed through AI, can refine future planning and quality control.

Through work with automated storage and retrieval systems, companies like GCM Contracting Solutions are applying AI and automation. These facilities demonstrate how intelligent construction can enhance long-term building performance. Once operational, embedded AI systems monitor usage patterns, energy consumption and maintenance needs, ensuring that the building continues to operate efficiently long after completion.

This integration of construction technology and long-term automation signals an important shift for the industry. AI will not only optimize how buildings are constructed but also how they perform over decades of use.

BUILDING ON WHAT MATTERS MOST

Construction has always been a people-driven industry. Trust, craftsmanship and problem-solving remain at the core of every successful project. Technology can enhance those values but cannot replace them.

AI represents another step in a tradition of innovation rooted in practical application, and companies can use it to strengthen planning, improve safety and deliver buildings that meet modern expectations for efficiency and performance.

AI is not redefining the spirit of construction; it is refining it. By combining technology with experience, collaboration and integrity, contractors can continue to build smarter, safer and more resilient projects that stand the test of time.

SOURCE: https://tinyurl.com/frebc6kx