

Welcome to Division of Engineering Services

A&E Corporate Product Development

Contract #59ASDR21

Thursday July 21, 2022

1:30PM – 3:30PM

Virtual Outreach via WebEx

Non-Discrimination Policy title VI

Caltrans ensures that no person in the State of California is excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in Caltrans programs, policies, procedures, activities, and services on the grounds of race, color, national origin, sex, age, or disability.

Disclaimers

The Information provided in this event does not constitute a solicitation or offer of any contract with Caltrans.

For the outreach, the scope of work, personnel classifications, duties, contract amount, schedule, and all aspects of the contract are not final. Information provided is preliminary and subject to change.

Agenda

- 1:30PM Welcome & Purpose of the Outreach
- 1:40PM Roundtable Introductions
- 2:00PM Office of Civil Rights & Small Business Liaison
- 2:10PM Calmentor
- 2:20PM DPAC Updates
- 2:45PM Contract Overview
- 3:00PM Questions & Answer Session
Official responses to be posted to DPAC website.
- 3:30PM Adjourn

Purpose of this Outreach

General Information Sharing

Office of Civil Rights – Opportunities for DBEs

Calmentor Program

DPAC Updates – SOQ Instructions

Networking & Partnering Opportunities

Question & Answer Session – Please send questions to EVERYONE in the chat box

Tentative Schedule

RFQ Advertisement – August (late)/2022

SOQ Due – September (late)/2022

Interview – October (Mid)/2022

Cost Negotiation – November (late)/2022

Award & Execution – December (early)/2022

General Information

Scope: The consultant shall perform consultation, research, professional and technical services required for Corporate Product Development, including, but not limited to, performing static and dynamic analysis, and design of ancillary structures, hydraulic and hydrological analysis, scour analysis, soil-structure interaction analysis, developing pre-engineered designs for structures and structure components, supporting the development of structure technical policies and guidance, and performing beta-testing of software application tools.

District 59

DVBE Goal 5%

Cost: Contract estimated value is \$6 million

Duration: Contract term is 3 years

Look Ahead Report#: 59ASDR21

CALTRANS SMALL BUSINESS

Robynn Spence

District 3 Small Business Liaison

Phone: 530-720-1687

Email: [D11 Small Business](#)

For the list of all District Small Business Liaisons (DSBLs), visit:

[District Small Business Liaisons Contact List](#)

Districts & Counties

- District 1 Eureka (Del Norte, Humboldt, Lake, and Mendocino)
- District 2 Redding (Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama, and Trinity)
- District 3 Marysville/Sacramento (Butte, Colusa, El Dorado, Glenn, Nevada, Placer, Sacramento, Sierra, Sutter, Yolo, and Yuba)
- District 4 Bay Area/Oakland (Sonoma, Napa, Solano, Marin, San Francisco, Contra Costa, Alameda, San Mateo, and Santa Clara)
- District 5 San Luis Obispo/Santa Barbara (Santa Barbara, San Luis Obispo, Monterey, San Benito and Santa Cruz)
- District 6 Fresno/Bakersfield (Madera, Fresno, Tulare, Kings, Kern)
- District 7 Los Angeles (Los Angeles and Ventura)
- District 8 San Bernardino/Riverside (Riverside and San Bernardino)
- District 9 Bishop (Inyo, Mono, and eastern Kern)
- District 10 Stockton (Alpine, Amador, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus and Tuolumne)
- District 11 San Diego (San Diego and Imperial)
- District 12 Santa Ana (Orange)

District Small Business Liaison (DSBL)

Services We Offer:

One-on-One Assistance – To discuss strategies on working with our agency and how best to work with us.

Technical Assistance – Provide technical assistance to our Small Businesses on a variety of topics, including certification applications, navigating our online portals and resources, and connecting businesses to other subject matter experts within Caltrans.

Public Outreach Opportunities – Districts host and participate in outreach opportunities to increase the visibility of our department, including mandatory pre-bid meetings, procurement fairs, and contractor bootcamps.

Event Calendar: [Caltrans Events Calendar](#)

Resource for Caltrans Staff – We are a resource for our Caltrans staff who have purchasing and contracting needs and are trying to source small businesses to solicit bids from.

Statewide DSBL Contact List:

[District Small Business Liaison Contact List](#)

Certifications Recognized by Caltrans

State Certifications

Small Business (SB)

Small Business – Public Works (SB-PW)

Disabled Veterans Business Enterprise (DVBE)

Federal Certifications

Disadvantaged Business Enterprise (DBE)

SB & SB-PW Eligibility Requirements

Small Business (SB)

Independently owned and operated

Not dominant in field of operation

Principle office located in California

Owners must live in California

Have 100 or fewer employees and average annual gross receipts of \$16M or less over the last 3 tax years

Small Business – Public Works (SB-PW)

Independently owned and operated

Not dominant in field of operation

Principle office located in California

Owners must live in California

Have 200 or fewer employees and average annual gross receipts of \$37M or less over the last 3 tax years.

Disabled Veterans Business Enterprise (DVBE) Eligibility Requirements

Must have a service-connected disability of at least 10%

U.S. military, naval, or air service

Must be at least 51% owned by one or more disabled veteran

Must reside in California

Must be managed/controlled by disabled veteran

SB/DVBE Certification

For more information, visit:

[Cal Procure Website](#) to apply for SB/DVBE Certification

Office of Small Business & Disabled Veteran Business Enterprise Services (OSDS)

OSDSHelp@dgs.ca.gov

- (916) 375-4940

Disadvantaged Business Enterprise (DBE) Eligibility Requirements

Must be at least 51% owned by one or more socially & economically disadvantaged individual

Must be a for-profit small business

Personal net worth of \$1.32M or less

Must be managed/controlled by DBE individual and a U.S. Citizen

Average annual gross receipts for the 3 previous fiscal years cannot exceed \$28.48M

DBE Certification

For more information, visit:

[DBE Information](#)

Office of Small Business & Disabled Veteran Business Enterprise Services (OSDS)

OSDSHelp@dgs.ca.gov

(916) 375-4940

Hours: 8am to 5pm

Annual Caltrans Small Business Goals

Small Business (SB)/Small Business – Public Works (SBPW)

25%

Disabled Veterans Business Enterprise (DVBE)

5%

Disadvantaged Business Enterprise (DBE)

22.22%

A&E Structure Construction Inspection Contract Goals

Disabled Veteran Business Enterprise (DVBE)

5% goal

Calmentor Program

Chloe Doyle
D6 Equity and Small Business Manager
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Chloe.Doyle@dot.ca.gov

Camillo Prandini
Central Region Services (Districts 5, 6, & 10)
Phone: (559) 243-3888
Camillo.Prandini@dot.ca.gov

Marta Uranga
District 8 Consultant Services Unit
Phone: (909) 501-9013
Marta.Uranga@dot.ca.gov

Calmentor Program

Overview

Caltrans Regional/District Consultant Services Unit (CSU) has implemented an Architectural & Engineering (A&E) mentor-protégé Program, also known as “Calmentor.”

Partnering with the American Council of Engineering Companies (ACEC), the Calmentor Program promotes partnership with the private consulting industry.

The Calmentor Program is consistent with the Governor’s Executive Order No. S-11-06 to encourage new businesses, grow existing businesses, and promote small and emerging business contracting with the State of California.

Calmentor supports the participation of certified small Business Enterprise (SBE), Disadvantaged Business Enterprise (DBE), and Disabled Veterans Business Enterprises (DVBE) firms in the Region.

Voluntary participation in the program is through acceptance and screening of completed applications from mentors and proteges.

Calmentor Program

Mission Statement

The mission of the Calmentor Program is to increase the pool of small firms participating in transportation projects by providing them opportunities to network and partner with larger, established firms.

Goals and Objectives

Establish a mentoring Program that pairs small firms with larger, established firms in the same field of expertise.

Enhance the growth potential of small firms.

Ensure that both small and large firms have equal opportunities to participate in transportation projects

Establish a clear, accessible entry points for small firms that want to do business with Caltrans or other public agencies.

Develop business relationships that foster new opportunities for both large and small firms.

Encourage small first to obtain certification from appropriate agencies.

Increase the pool of Small Businesses.

Calmentor Program

Participants

Participants of the Program are Mentors, Proteges, Sponsors, and/or Steering Committee members.

Mentors are large, established firms who are typically prime consultants willing to commit time to help small firms achieve their growth potential.

Proteges are small emerging firms who are seeking A&E contracts with Caltrans or other public agencies.

Caltrans Region District CSU is the program's primary sponsor whose aim is to facilitate the growth of small firms. Any public or local organization may join to co-sponsor the Program.

Calmentor Program

Steering Committee

Public Sector Members

North Region (D1, 2, & 3)

Chloe Doyle, Caltrans North Region Consultant Services
Chloe.Doyle@dot.ca.gov

Bay Area (D4)

Francisco Padilla, Caltrans Bay Area Consultant Services
Francisco.Padilla@dot.ca.gov

Central Region (D5, 6, & 10)

Camillo Prandini, Caltrans Central Region Services
Camillo.Prandini@dot.ca.gov

Southern California Alliance (D7, 8, & 11)

Marta Uranga, Caltrans District 8 Consultant Services
Marta.Uranga@dot.ca.gov

Calmentor Program Websites

North Region – <https://dot.ca.gov/caltrans-near-me/district-3/d3-popular-links/d3-calmentor>

Bay Area Region- <https://dot.ca.gov/caltrans-near-me/district-4/d4-programs/d4-calmentor>

Central Region – <https://dot.ca.gov/caltrans-near-me/district-6/district-6-programs/d6-calmentor>

Southern California Alliance – <https://dot.ca.gov/caltrans-near-me/district-7/district-7-popular-links/d7-calmentor>

Also LinkedIn: <https://www.linkedin.com/groups/12285931>

OVERVIEW CURRENT A&E CONTRACT PROCESS

Division of Procurement and Contracts (DPAC)

https://youtu.be/mGgVEnUJ_S8

PROFESIONAL AND TECHNICAL CORPORATE PRODUCT DEVELOPMENT
SERVICES

Office of Design and Technical Services

The Office of Design & Technical Services supports the Capital Outlay Support program by providing the following services:

Structural design and design/construction support for roadside structures and ancillary bridge structures on the State Highway System.

Developing and maintaining standards and guidance for these same structures.

Hydraulic modeling for Case studies.

Editorial support for two corporate products, Bridge Standard Detail (XS) Sheets and DES Owned Standard Plans

Office of Earthquake Engineering and Research

The Office of Earthquake Engineering Analysis & Research (OEEAR) provides structure related earthquake engineering and seismic hazard services to Caltrans Division of Engineering Services and other clients by:

Proposing bridge seismic policy.

Creating and maintaining bridge seismic guidance, tools, and procedures.

Performing seismic and structural analysis.

Developing and supporting bridge analysis and design software.

Managing seismic research program

Supporting Caltrans Structure Design and Consultants in project delivery.

Providing services for estimate of site hazards including fault rupture.

Supporting bridge seismic retrofit strategies and provide seismic standard details.

Providing expertise in seismic instrumentation soil structure interaction, and post-earthquake investigation

Scope of Services

Types of services include but are not limited to

Perform design analysis for bridges, culverts, earth retain systems, and ancillary structures in compliance with the most current design specifications using both static analysis and finite element analysis tools.

Prepare modifications to Standard Plan Details

Prepare modifications to Standard Specification or develop Non-Standard Special Provisions

Develop Pre-Engineered System Details for structures and structure components

Scope of Services continued

Investigate usage of pre-engineered systems currently in use to innovate changes that will result in cost savings and simplify constructability.

Perform hydraulic and hydrologic analysis.

Perform bridge scour analysis for foundation design recommendations.

Perform independent beta-testing and evaluations of engineering software tools to validate accurate results in accordance with all applicable design specifications.

Develop technical documents for guidance materials

Scope of Services

Pre-engineered Bridge Standard Details and Standard Plans package:

- Developing engineering plans

- Developing ADA-compliant user guides

- Developing supporting calculations in Mathcad

- Conducting independent checks and producing check calculations in Mathcad

- Sealing the pre-engineered plans and design calculations

Scope of Services

Addenda and errata to the California Amendments

Developing transportation-related structure technical policies and guidance for bridge engineers

Developing technical background documents supporting policies and guidance

Bridge Design Memos

Design guidance for bridge design engineers

Structure Technical Policies

Design policies for bridge design engineers

Scope of Services

Update to the Seismic design policies

Design tools using spreadsheets or Mathcad

Promotes efficient design of bridge or earth retaining system components

In-house developed Bridge Design software tools

CTBridge – superstructure design

CTBent – bent design

CTAbut – abutment design

CTColumn – column design

CTFoot – spread footing & pile cap design

CTFlex – soldier pile wall design

CTRigid - Cantilever type retaining wall design

Scope of Services continued

Research and Development Support

Design Policy Technical Writing

Design Tool Creation (spreadsheets, Mathcad files, and databases)

Document Remediation for ADA-compliance

Corporate Products Development Personnel Requirements:

The Consultant's personnel shall be capable, competent, and experienced in performing the types of work in this Contract with minimal instruction.

ABC experience

Structure experience

Modeling experience

Hydraulic modeling and bridge scour

Experience writing and developing specifications, guidance and policy

Experience working with academia and research

Corporate Products Development Personnel Requirements

Function and Role of the Consultant

Augment our staff to perform Cap/Corp deliverables

Caltrans lead that will direct work (Task Manager)

Not collocated

Task Orders will specify the deliverables

Corporate Products Development Personnel Requirements

Consultant Contract Manager

The Consultant Contract Manager must coordinate work-related matters and consultant's operations under this contract with the Caltrans Contract Manager in coordination with the Caltrans Task Order Manager.

The Consultant Contract Manager must have a minimum of five (5) years of responsible experience performing the duties as a contract manager for similar construction inspection services contracts, of which three (3) of those years must be for similar structure construction inspection services contracts. The Consultant Contract Manager must be knowledgeable about all Caltrans policies and procedures. The Consultant Contract Manager must be accessible to Caltrans at all times. The Consultant Contract Manager must be an employee of the prime consultant.

The Consultant Contract Manager must be a registered professional engineer licensed in the State of California in good standing with the California State Board for Professional Engineers, Land Surveyors, and Geologists at all times during the contract period, to perform the tasks described in this contract and in the Task Orders and must have a documented minimum ten (10) years of demonstrated experience acceptable to Caltrans.

Consultant Contract Manager must be responsible for all matters related to the consultant's personnel, subconsultants, structures construction inspection services work, and consultant's and subconsultants' operations as outlined in the Contract Statement of Work (SOW).

Corporate Products Development Personnel Requirements

Consultant Task Order Manager

The Consultant Task Order Manager must have a minimum of five (5) years of responsible experience performing the duties as a contract manager. The Consultant Task Order Manager must be a registered professional engineer licensed in the State of California in good standing with the California State Board for Professional Engineers, Land Surveyors, and Geologists at all times during the contract period, to perform the tasks described in this contract and in the Task Orders and must have a documented minimum ten (10) years of demonstrated experience acceptable to Caltrans.

The Consultant Task Order Manager must be accessible to the Caltrans Contract Manager in coordination with the Caltrans Task Order Manager at all times during normal Caltrans working hours that Task Order work is underway.

Consultant Task Order Lead Person

The Consultant Task Order Lead person (who may not be the Consultant Contract Manager) must be assigned to conduct, or direct the conduct of, all work assigned under a single Task Order. The Consultant Task Order Lead person must be the primary contact for the assigned Task Order and be available as needed for communication with Caltrans.

Corporate Products Development Personnel Requirements

Professional Engineer

The Consultant Licensed Professional Engineer must have a minimum of two (2) years of responsible experience performing the duties as a licensed PE for similar Cap/Corp products development projects.

The Consultant Professional Engineer must be a registered professional engineer licensed in the State of California in good standing with the California State Board for Professional Engineers, Land Surveyors, and Geologists at all times while assigned to work on this contract and in the Task Orders.

Questions & Answer Session

Compose your questions in the chat box to EVERYONE.
Outreach information including questions and answers will be posted on DPAC A&E website:

[DPAC A E Website](#)