

Quality Assurance-Verification Services

(METS)

59AMETSNOCA, 59AMETSBACA, 59AMETSSOCA

Presentation to begin shortly

June 5, 2024

10:00 AM - Noon

Virtual Outreach via WebEx

Agenda

10:00 AM Overview & Introductions - Maen Shaar

10:10 AM Contract Information – Maen Shaar

10:15 AM Project Overview – Maged Armanuse

10:30 AM Contract Scope & Staff – METS Seniors

10:55 AM DPAC Overview- YouTube Link

11:10 AM Small Business – Stacie Gandy

11:25 AM A&E Cal Mentor Program – Logan Frazer

11:40 AM Questions

*Official responses to be posted to DPAC website.

12:00 PM Adjourn

Division of Engineering Services (DES)

Materials Engineering and Testing Services (METS)

Outreach for METS A&E On-Call Engineering & Technical Services for Contracts:

59AMETSNOCA

59AMETSSOCA

59AMETSBACA

Maen Shaar, PE, PMP
METS A&E Contract Manager
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(916) 730-0054

June 5, 2024 10:00 AM - Noon

Virtual Outreach via WebEx

Purpose of this Outreach

General Information Sharing

Office of Civil Rights – Opportunities for DBEs

Calmentor program

DPAC Updates – Procurement Process

Networking & Partnering Opportunities

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

Consultant

Shall perform A&E Services consultation, research, professional and technical services for:

Quality Assurance/Verification (QA/V) Services (Inspection, Sampling and Materials Testing)

Quality Management (QM) Activities

For: Materials at fabrication facilities and construction sites on an on-call basis (as-needed basis)

To Support: Caltrans, Division of Engineering Services (DES), Materials Engineering and Testing Services (METS), Headquarters, and Various Districts

On: Maintenance and AAA projects AND P3, Design-Build, CM/GC Projects

Shall comply with all contract provisions

Contracts

59AMETSNOCA Covers:

Districts 1 (Eureka), 2 (Redding), 3 (Marysville), 10 (Stockton), and 59
(Headquarters)

59AMETSBACA Covers:

Districts 4 (Oakland), 5 (San Luis Obispo), and 6 (Fresno)

59AMETSSOCA Covers:

Districts 7 (Los Angeles), 8 (San Bernardino), 9 (Bishop), 11 (San Diego), and 12 (Santa
Ana)

Title VI

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For more information on Title VI of the Civil Rights Act of 1964 at Caltrans, please visit:
<https://dot.ca.gov/programs/civil-rights/title-vi>.

Disclaimers

THE INFORMATION PROVIDED IN THIS EVENT DOES NOT CONSTITUTE A SOLICITATION OR OFFER OF ANY CONTRACT WITH CALTRANS.

FOR THIS 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.

General Information

Exclusion From Participation:

Throughout the terms of this Contract, the Consultant and its Subconsultants are prohibited to have any financial, business or other relationship with Caltrans which may have a potential conflict of interest with this contract. The Consultant and its subconsultants shall also disclose any financial, business or other relationship with Caltrans throughout the terms of this contract.

Contract Structure

The structure of the DES METS On-Call Contract:

Task Orders (TOs) will be developed for specific needs/activities.

Task Order supplements will be developed on an as-needed basis.

Budget will be managed at project level.

Positions within the contract include:

Contract Manager, Task Order Manager

METS Representative, Assistant METS Representative, Inspector, Electrical Inspector,
Laboratory Support Engineer/Technician, Technical Expert 1&2

General Information

Location: QASI Branches at Sacramento, Bay Area, and Los Angeles

Scope: The Consultant shall perform professional & technical services for QA/V service and QM activities for materials on an on-call basis

Schedule:

RFQ Advertisement 7/23/24

SOQ Due 8/22/24

Interview 9/6/24

Cost Negotiation 11/22/24

Award and Execute 12/12/24

DBE Goal: 22%

Contract Amount: North (\$15-20M), Bay (\$15-20M), South (\$24-29M)

Duration: 3 years

Look Ahead Report: 59AMETSNOCA, 59AMETSBACA, 59AMETSSOCA (4/18/24)

MATERIALS ENGINEERING & TESTING SERVICES ON-CALL ENGINEERING &
TECHNICAL SERVICES

Maged Armanuse, PE

Chief, Office of Quality Assurance and Source Inspection (OQASI)

Mohammed Shamol, PE

Chief, QASI– Los Angeles

Hamed Sadati, PHD, PE

Chief, QASI– Sacramento

Steven Seifert, PE

Chief, Field & Forensic Services

Justin Ellis, PE

Chief, EQASI

Code of Federal Regulations (CFR)

Code of Federal Regulations

Title 23 – Highways

PART 637-CONSTRUCTION INSPECTION AND APPROVAL

Subpart B-Quality Assurance Procedures for Construction

§ 637.205 Policy

(a) Quality assurance program. Each SHA shall develop a quality assurance program which will assure that the materials and workmanship incorporated into each Federal-aid highway construction project on the NHS are in conformity with the requirements of the approved plans and specifications, including approved changes. The program must meet the criteria in § 637.207 and be approved by the FHWA.

Code of Federal Regulations – Section 637.205

Each State Highway Agency shall develop a quality assurance program

Upcoming New Contracts (Spring 2025)

Sacramento QASI- Contract for capital & alt. delivery projects

Bay Area QASI- Contract for capital & alt. delivery projects

Los Angeles QASI- Contract for capital & alt. delivery projects

Contracts excluded are: T1, Oversight, Corporate

Sacramento QASI Contract

Contract # 59AMETSNOCA

Contract for all projects in D 1, 2, 3, 10, 59

\$15-20M / 3 years

METS QA Services

Projects Advertised, Awarded, and Administered by CT

Alt. Delivery Projects

Hamed Sadati, PhD, PE

Bay Area QASI Contract

Contract # 59AMETSBACA

Contract for all projects in D 4, 5, 6

\$15-20M / 3 years METS QA Services

Projects Advertised, Awarded, and Administered by CT

Alt. Delivery Projects

Steve Seifert, PE

Los Angeles QASI Contract

Contract # 59AMETSSOCA

Contract for all projects in D 7, 8, 9, 11, 12

\$24-29M / 3 years METS QA Services

Projects Advertised, Awarded, and

Administered by CT

Alt. Delivery Projects

Mohammed Shamol, PE

Office of Quality Assurance and Source Inspection (OQASI)

Verify that the structural materials are in compliance with the project requirements

Conducts material risk assessment and coordinates inspection, sampling, and release

Provide fabrication inspection at the source (domestic and international)

Provide material recommendations

QQASI Contracts – A&E Services

METS Representative (METS Rep), formerly SMR

Single point of contact for METS customers

Technician Support

Metallurgical, Welding, and Corrosion Engineering

Non-Destructive Testing (NDT) Services

Coating Experience

Fabricator Audits

Visit Job Sites, Fabricators, and Manufacturing Shops

OQASI Contracts – A&E Services (continued)

Provide Trained and Certified Inspectors

CWI – Fracture Critical

Level II/III UT, RT, MT, & PT

PCI Level II/III

NACE Level III

Perform Testing & Sampling

Communicate with project team members

Ability to navigate and interpret codes and specifications

Electrical Inspectors

Non-Destructive Testing (NDT)

Critical in evaluation of material

Requires highly trained and certified staff

Verifies that the weld will perform as designed

Radiographic Testing

Magnetic Particle Testing (MT)

Liquid Penetrant Testing

Ultrasonic Testing (UT)

Personnel and Performance Requirements NDT Level III

Provide Level III Program to ensure consultant's Level II inspectors are trained and qualified

ASNT-Certified Level III UT, RT (including digital RT), MT, PAUT, and PT

Company conforms to ASNT TC-1A Written Practice

Consultant Contract Manager

Provide flexibility for construction support

Provide efficiency to work on multiple contracts

Maintain consistency

Keeps projects moving forward

METS Representative Expectations

Provide Engineering Staff – METS Representatives (METS Reps)

Regional responsibility assigned to one of the branches

Single Point of Contact between OQASI and:

Construction

District Materials Engineers (DME's)

Design

Other Caltrans functional units (Design, Maintenance, etc.)

Ability to interface with other Caltrans Stakeholders

Provide material expertise during emergency response

Effective communication to Construction, other METS personnel, and Branch Seniors

METS Representative Expectations (continued)

Manages the quality methodology of materials for each project, including shop drawings and control plan submittals

Understands various fabrication practices and provides technical recommendations to Construction in a timely manner

Need for METS Reps to be flexible, resourceful, and able to handle multiple projects concurrently

Ability to perform research and analyze material data to determine engineering solutions and provide engineering recommendations to METS customers.

Inspector Expectations

Must stay current in specification changes and industry practices

Inspect to verify that the fabricator's Quality Control plans are implemented effectively

Perform Quality Validation (QV) Testing & Sampling

Communicate with project team members

Ability to navigate and interpret codes and specifications

Identify non-conformance issues – clearly communicate to MR

Multiple certifications beneficial to OQASI

Inspector Expectations (continued)

Dynamic in nature. OQASI is not always aware of fabrication schedule until the fabricator notifies OQASI.

Inspection is coordinated upon notification

Inspector is dispatched to review contract documents, set up travel, execute inspection, then document the inspection.

May have multiple projects inspected at one time, at various stages of production

Inspection staff may be put on long-term assignment depending on fabrication schedule.

Typical Inspections

Documentation

Assurance that the structural materials delivered to the jobsite meet contract requirements

Contract Requirements

Specifications & Codes

Typical Day of Dispatch

Inspectors need to have multiple certifications and qualifications to handle various inspections. Typical Dispatch may include:

Furnish Steel Piling – Granite Falls, WA – (CWI + UT or RT)

Furnish Steel Piling – Drive Steel Piling – Field Welding (CWI + UT Inspection)

PTFE Sliding Bearings – Seattle, WA – (Sp. Training for Engineer or Inspector)

Prestressing (CIP) Strand – Sumiden Wire – Stockton, CA

Joint Seal Assembly – Watson Bowman – Buffalo, NY

Signal and Lighting Poles – Ameron – Tulsa, OK

Electrical Quality Assurance and Source Inspection (EQASI)

Testing and inspection of all contractor furnished electrical materials.

ITS (Intelligent Transportation Systems) support and evaluation.

Experience with source inspection of electrical materials.

Familiarity with integration of ITS components with infrastructure.

EQASI Inspector Expectations

Manages the quality methodology of electrical materials for each project, including shop drawings and control plan submittals

Understands various fabrication practices and provides technical recommendations to Construction in a timely manner

Need for inspectors to be flexible, resourceful, and able to handle multiple projects concurrently

Ability to perform research and analyze material data to determine engineering solutions and provide engineering recommendations to METS customers.

Office of Central Laboratories (OCL)

Labs:

Cement/Concrete

Structural Materials

Aggregate

Chemical

Asphalt Binder/Hot Mix Asphalt

Common Services: (METS Rep)

Material Testing

Material Test Results

Authorized Materials Lists (AMLs)

Expert Advice

Tours

Other Services:

Prequal Program

Dispute Resolution

METS Databases

J2

Lookup job information, track bid items, etc.

Vision

Lookup job information

DIME

Data Interchange for Materials Engineering

Database for test results

Rock

Storage and access for information

Personnel and Performance Requirements

Consultant Contract Manager

5 years of responsible experience as a contract manager for similar service contracts.
Shall be a licensed PE in the State of California

Consultant Task Order Manager

Primary contact for assigned task order and available as needed

METS Representatives

Qualifications equivalent to Caltrans Transportation (Civil), Range D.
Valid Registered Civil Engineering License in the State of California and at least two (2)
years experience.

QASI Inspectors

Welding Inspectors

Certified as Certified Welding Inspector (CWI) in accordance with AWS QC-1. Fracture
Critical (at least one (1) year bridge experience)

NDT Level III Inspector

ASNT Level III certificate holder in UT, PT, PAUT, MT, and RT.

At least five (5) years of NDT experience.

NDT Inspector

Level II per SNT TC-1A in at least two of the following disciplines: UT, RT, PAUT, MT,
and PT.

Precast Concrete Inspector

PCI Level II or III Certification. At least one (1) year experience.

Personnel and Performance Requirements (continued)

Paint and Coating Inspector

NACE Certified Coating Inspector – Level III and at least five (5) years of experience.

Electrical Engineer / Inspector

Must have an engineering degree from an ABET accredited university or Engineer in Training (EIT) certificate and at least one (1) year of experience.

Technical Expert 1&2

Metallurgical Engineering, Welding Engineering, Corrosion Engineering, Failure Analysis Engineering, Structural Concrete Engineering (+1 & +10 years experience)

Laboratory Support

Engineer with EIT certificate, Technicians certified by relevant organizations like ACI, etc. and at least one (1) year of experience.

Division of Procurement and Contracts (DPAC)

Overview of Streamlined A&E Contract Process and Negotiation Phase Stages

[A&E Negotiation Phase Deadlines - June 2022 - YouTube](#)

Questions can be sent to the AE Customer Service

email: AE.Customer.Service@dot.ca.gov

Websites

Caltrans website:

<https://dot.ca.gov/>

Caltrans, Division of Procurements and Contracts (DPAC) A&E website:

<https://dot.ca.gov/programs/procurement-and-contracts/ae-contract-information>

Look Ahead Report:

<https://dot.ca.gov/programs/procurement-and-contracts>

Caltrans Small Business Program Overview

Stacie Gandy

Office Chief, Office of Health & Safety, EEO, Worker's Comp and Small Business

California Department of Transportation, District 3

D3.small.business@dot.ca.gov

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: <https://dot.ca.gov/programs/civil-rights/caltrans-events-calendar>

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

Statewide DSBL Contact List:

<https://dot.ca.gov/programs/civil-rights/dsbl-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)

Annual Caltrans Small Business Goals

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

25%

Disabled Veterans Business Enterprise (DVBE)

5%

Disadvantaged Business Enterprise (DBE)

22.2%

METS A&E On-Call Engineering & Technical Services Contract Goal

Disadvantaged Business Enterprise (DBE)

22%

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 \$30.72M

DBE Certification

For more information, visit:

<https://dot.ca.gov/programs/civil-rights/dbe>

Caltrans – Office of Civil Rights

Small Business Advocate

SmallBusinessAdvocate@dot.ca.gov

(916) 324-1700

Outreach & Certification Branches

<https://dot.ca.gov/programs/civil-rights/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 an average annual gross receipts of \$18M 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 an average annual gross receipts of \$43M 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

Caltrans North Region Small Business Liaisons

Aaron Morgan

District 1

aaron.morgan@dot.ca.gov

Amanda Andersen

District 2

d2smallbusiness@dot.ca.gov

Stacie Gandy- Acting

District 3

d3.small.business@dot.ca.gov

Traci Adams

District 10

d10.small.business@dot.ca.gov

Find the DSBL nearest you at:

<https://dot.ca.gov/programs/civil-rights/dsbl-contact-list>

Caltrans Bay Area Small Business Liaisons

Ayanna Nobles

District 4

d4smallbusiness@dot.ca.gov

Richard Myerscough

District 5

d5smallbusiness@dot.ca.gov

Chloe Doyle

District 6

d6.small.business@dot.ca.gov

Find the DSBL nearest you at:

<https://dot.ca.gov/programs/civil-rights/dsbl-contact-list>

Caltrans South Region Small Business Liaisons

Maria Raptis- Acting

District 7

d7.small.business@dot.ca.gov

Shanae Pharaoh

District 8

d8.smallbusiness@dot.ca.gov

Carma Roper

District 9

d9.small.business@dot.ca.gov

Michaela Howard/Rebecca Villarino

District 11

d11.small.business@dot.ca.gov

Lori Karaguezian

District 12

d12.small.business@dot.ca.gov

Dalia Demian

HQ OCR

smallbusinessadvocate@dot.ca.gov

Find the DSBL nearest you at:

<https://dot.ca.gov/programs/civil-rights/dsbl-contact-list>

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 Central Region.

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

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 point 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 firms to obtain certification from appropriate agencies

Increase the pool of small businesses

Calmentor program

Participants

Participants of the Program are Mentors, Protégés, 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.

Protégés are small 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

Contact Information for Central Region

Public Sector Members

Camillo Prandini – Consultant Services, Caltrans CR

camillo.prandini@dot.ca.gov

Private Sector Members

Lori Goodwin, Chairperson

lori.goodwin@nv5.com

Stacey Kauinana, Evaluations/Pairing Committee Chair

stacey.kauinana@icf.com

Central Region Calmentor Program

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

Networking & Partnering Opportunity

A list of all of today's attendees will be posted on the DPAC Website with Prime-Consultants and Sub-Consultants for your reference.

Utilize the list to form your potential team partners.

Are you planning to be a:
Prime or sub-consultant and
Primes to possibly host teaming WebEx?