Environmental Generalist-on-call
A&E Contract Outreach
District 6 & 10

August 23, 2017
1:30 pm-3:00 pm
District 6 Office
2015 E. Shields Ave., #100
Fresno, CA 93726
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:30 PM</td>
<td>Welcome &amp; Purpose of the Outreach</td>
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<tr>
<td>1:35 PM</td>
<td>Roundtable Introductions</td>
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<tr>
<td>1:50 PM</td>
<td>Scope Overview</td>
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<tr>
<td>2:00 PM</td>
<td>Networking (Prime &amp; Sub Teaming)</td>
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<td>2:30 PM</td>
<td>Question and Answer Session</td>
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<td><em>Official responses to be posted to DPAC Website.</em></td>
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<td>3:00 PM</td>
<td>Adjourn</td>
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Purpose of this Outreach

- Networking & Partnering Opportunity
- Information Sharing
- Question and Answer Session
Roundtable Introduction

- Participant Name (Plan to be a Prime or Sub)
- Firm/Affiliations/Certifications
- Goal for Attending this Event (for Non-Caltrans Participants)
- Role/Title if You are Participating for Caltrans
General Information

• Location: Environmental Generalist various in District 6 and District 10
• Scope: The Consultant shall perform consultation, research, professional and technical services required for General Environmental Resource Services
• Cost: Contract estimated value is $12-19.5 million
• Duration: Contract term is 5 years; 3 years to write Task Orders and 2 years to finish work
• Existing Contract 06A2126
• Current Consultant is HDR Engineering Inc.
• Work Performed: (Examples) Phase I, II and III Studies, Biological Surveys, NES, BA, Staff Augmentation.
Scope of Services

- Types of endeavors include but are not limited to
  - Air Quality Studies, project-level and Conformity Analysis including CO, PM, and other HOT SPOT studies, Health Risk Assessments
  - Paleontological Evaluation Report (PER), Paleontological Identification Report (PIR), Paleontological Mitigation Plan (PMP), Paleontological Mitigation Report (PMR), Paleontological Stewardship Summary (PSS)
  - Water Quality Studies, prepare Storm Water Data Reports (SWDR) and prepare permit applications State Water Resources Control Board/Regional Water Quality Control Board (SWRCB/RWQCBs)
  - Report writing and production of EIR/EIS, Initial Study/Environmental Assessment, and CE/CE
  - Mitigation of adverse effects and substantial adverse changes
Scope of Services cont.

**Generalist Studies include but are not limited to:**

- Preliminary Environmental Assessment Report (PEAR)
- Notice of Preparation (NOP) and Notice of Intent (NOI)
- Categorical Exemptions/Categorical Exclusions
- Initial Study/Negative Declaration/Mitigated Negative Declaration
- Environmental Assessments/Findings of No Significant Impacts
- Environmental Impact Reports/Environmental Impact Statements
- Notice of Determination
- Record of Decision
- Section 4(f) Evaluations
- Community Impact Analysis/Community Impact Assessments
- Cumulative Impact Analysis
- Climate Change Analysis
- Land Use and Growth Studies
- Public Outreach Activities
Scope of Services cont.

Biologist Studies included but are not limited to

- Conducting species surveys and wetland delineations
- Writing Natural Environmental Study and Biological Assessment use of the Annotated Outline in the SER
- Conducting consultation with USFWS for issuance of Letter of Concurrence or Biological Opinion.
- Preparing permit applications for 1600 (CDFW), 404 (USACE), 401 (RWQCB)
- Applying for incidental take permit (2081) from California Department of Fish and Wildlife
- Preparing contract special provisions for construction
- Conduct preconstruction surveys and Environmental Awareness trainings for construction crews
- Prepare mitigation Estimates and conducting PAR analysis
- Mitigation of adverse effects and substantial adverse changes
- Environmental Compliance with issued permits

Excluded work: Cultural and Hazardous Waste Studies
Contract Services: Introduction
Environmental Planners

- The Environmental Planner Series is an interdisciplinary team member who participates in transportation systems planning and project development.
- Prepares environmental analysis of proposed projects and modal and design alternatives.
- Identifies Environmental Impacts of Transportation Projects.
- Formulates measures to mitigate impacts.
- Prepares, reviews and processes environmental clearance documents.
- Reviews Environmental Documents of local, State and Federal Agencies.
- Prepares inventories and analyses of existing and future environmental conditions.
Environmental Planners: Natural Sciences (Biologist)

- Caltrans staff augmentation biologist conduct environmental analysis of proposed project as they relate to relevant Environmental regulations and determining impacts biological resources.
- Prepares and peer reviews biological reports on all types of projects including those with large complex or controversial impacts.
- Prepares and reviews permit applications for Streambed Alteration Agreements, Water Quality Certifications and Clean Water Act Permits.
- Serves as the lead Caltrans representative when coordinating with local State and Federal agencies.
- Reviews plans, specification and special provisions to ensure that environmental commitments will be adhered to during construction.
- Surveys for special status species during initial studies and pre-construction and monitor during construction activities.
Environmental Generalist Personnel Requirements

- The Consultant’s personnel shall be capable, competent, and experienced in performing the types of work in this Contract with minimal instruction. Personnel skill level should match the specific job classifications... and task complexity. The Consultant’s personnel shall be knowledgeable about, and comply with, all applicable Federal, State, and Local laws and regulations.

- **Environmental Generalist**
  - Bachelor Degree in Environmental, Urban Regional Planning or related field and shall have a documented minimum three (3) years of demonstrated experience acceptable to Caltrans, equivalent to a Caltrans Associate Environmental Planner.
Environmental Specialist Personnel Requirements cont.

- **Biology**
  - Bachelor Degree in Natural Sciences field and shall have a documented minimum three (3) years of demonstrated experience acceptable to Caltrans in: (1) biological impact analysis of transportation projects including impacts to species of concern and their habitats, wetlands, or waters of the United State (U.S.); or (2) biological development and monitoring.

- **Air**
  - The Consultant’s personnel who conduct Air Quality Studies shall be knowledgeable and capable of performing Air Quality Studies, including use of common analysis models and methods such as the EMFAC 2007 and CALINE4 models (or most recent models approved), Caltrans’ and FHWA’s CO Protocol and PM10 and PM 2.5, Qualitative Analysis and Quantitative Guidance, and the Local CEQA analysis guidelines.
Environmental Specialist Personnel Requirements cont.

- **Noise and Vibration**
  - Expertise in acoustic and vibration modeling field investigations to transportation noise is required. Some staff development work and research may be required with this Contract. A documented minimum five (5) years of demonstrated experience acceptable to Caltrans analyzing complex transportation noise and vibration is required.

- **Water**
  - A Degree (Bachelors, Masters, or higher) in Water Quality, Hydrology, or related Environmental Engineering field from an ABET accredited institution (College or University) or possession of a valid Engineer-in-Training (EIT) certificate issued or accepted by the California State Board for Professional Engineers, Land Surveyors, and Geologists.
Environmental Specialist Personnel Requirements cont.

- **Paleontological**
  - The Consultant shall provide a professional Geologist 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 for Paleontology work conducted under the contract. The licensed Geologist must also be a qualified paleontologist with a paleontological resource Excavation Permit for the collection of vertebrate fossils issued by the Bureau of Land Management. If a licensed professional Geologist is not available as stated above, the Consultant must provide, in addition to a professional licensed Geologist, a qualified Paleontologist with a paleontological resource excavation permit for the collection of vertebrate fossils issued by the Bureau of Land Management. The professional Paleontologist shall work under the direction of the professional Geologist 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.
Environmental Specialist Personnel Requirements cont.

- **Visual**
  - A Degree (Bachelors, Masters, or higher) in Landscape Architecture from an LAAB accredited institution (College or University). Registered Landscape Architect licensed in the State of California in good standing with the California Architects Board Landscape Architects Technical Committee at all times during the Contract period.

- **Staff Augmentation**
  - In this Contract is a list of proposed staff augmentation personnel classifications for which services are anticipated to be needed by Caltrans during the term of this Contract; however, this list is not exclusive so long as the classification perform Environmental Generalist Services. Caltrans reserves the right to add or delete personnel classifications from this list. Consultant personnel will work under the general direction of a Caltrans Senior.
Environmental Handbook, Volume I: Guidance for Compliance

This section of the SER includes the bulk of the reference materials used during the preparation of environmental documents in the SER. Editors are working on content.

I: Overview

Chapter 1: Federal Requirements introduces the federal laws, Executive Orders, and regulations applicable to transportation projects. There are links to policy, guidance, directives and advisories pertaining to federal environmental laws, and agreements pertaining to National Environmental Policy Act and Department of Transportation Act Section 4(f) compliance. Agreements pertaining to other federal and state requirements are listed in Section III: Topics.

Chapter 2: State Requirements addresses the requirements of California law and regulations, the California Environmental Quality Act (CEQA) and its Guidelines as well as related state environmental statutes and regulations. CEQA compliance is required for all projects for which a public agency has a discretionary action unless the project is exempted by statute in an act of the Legislature. Refer to Section 4(f) CEQA for the preparation and processing of CEQA-only categorical exemptions, initial studies, negative declarations, and environmental impact reports. Section VII: Joint Documents discusses joint CEQA and NEPA environmental documentation.

Chapter 3: Public Participation sets forth the legal requirements for public hearings and notices, describes the public participation process during project development and transportation planning, and discusses government-to-government relations between the federal government and recognized Native American Tribal governments.

II: Project Planning and Development

Chapter 4: Environmental Considerations During Transportation Planning provides a brief overview of the Transportation Planning and Project Initiation processes that occur prior to the Project Approval and Environmental Document phase.

Chapter 5: Preliminary Environmental Scoping discusses the various types of Project Initiation Documents (PIDs) used to program funds for transportation projects. It then addresses the preliminary environmental scoping documents used to identify the efforts needed to conduct the subsequent environmental studies and prepare the environmental document. The types of programming documents and the timing of the preparation of the preliminary environmental scoping documents differ based on whether the project will be on or off the State Highway System.

Chapter 6: Format Scoping Process describes the requirements and process to engage other agencies and parties to formally provide their views on the range and breadth of issues to be addressed in Environmental Impact Statement (EIS) or Environmental Impact report (EIR).

III: Topics

Chapter 7: Geology/Geology/Ground/Soil provides information and requirements for describing geologic, soil and seismic conditions in the vicinity of the project area as well as an analysis of the potential environmental impacts of project alternatives on these conditions and the potential impacts of geotechnical conditions on the transportation facility.

Chapter 8: Paleontology provides guidance on pertinent Federal and State statutes as well as recommended procedures and document formats for conducting paleontological studies in response to Federal, State, and local laws, regulations, and ordinances.

Chapter 9: Hydrology/Water Quality/Stormwater is currently on hold. For more information on these topics, please see the Caltrans Water Quality and Stormwater Program page.

Chapter 10: Hazardous Materials, Hazardous Waste, and Contamination provides an overview of the procedures used to address hazardous materials, hazardous wastes, and contamination during the project planning and design process.

Chapter 11: Air Quality covers the regulatory framework and recommended procedures for performing an air quality analysis for both Caltrans and local agency transportation projects. Preparation of the air quality section of the environmental document and supporting technical report are discussed in detail. There is also discussion of air quality requirements throughout the project delivery process, from transportation conformity determinations at the regional planning stage to project requirements during construction.

Chapter 12: Noise is an overview of Caltrans noise policies and procedures as they relate to transportation project planning and delivery. Information is provided to give the reader a basic understanding of the need to consider noise impacts, evaluate potential abatement measures and documentation requirements.

Chapter 13: Energy discusses the policy and procedures regarding energy analysis, including when an energy analysis is required for a proposed project. This chapter also provides general guidance on how to conduct and write an energy analysis.
CALTRANS
ENVIRONMENTAL HANDBOOK
VOLUME 3
BIOLOGICAL RESOURCES

Chapter 1: General Information
Chapter 2: Natural Environment Study
Chapter 3: Wetlands
Chapter 4: Federal and State Endangered Species Act Procedures
Chapter 5: Mitigation and Monitoring
Survey Protocols

Survey Protocol included but are not limited to:

- USFWS Survey Guidelines for the listed Large Branchiopods
- USFWS Survey Protocol for Determining Presence of San Joaquin Kangaroo Rats
- CDFW Approved Methodology for the Blunt-Nosed Leopard Lizard
- Recommended Timing and Methodology for Swainson’s Hawk Nesting Surveys in California’s Central Valley
- CDFW Approved Survey Methodologies for Sensitives Species, SJKF
- USFWS San Joaquin Kit Fox Survey Protocol for the Northern Range
- CDFW Protocol for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities
Office of Business & Economic Opportunity (OBEO)

- DBE Participation Goal
- Voluntary Use of Small Businesses
Enhanced Selection Process

- Presentation available on DPAC’s website at:

  http://www.dot.ca.gov/hq/dpac/enhancedprocessdocuments.htm
## Tentative Schedule

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<tr>
<td>Advertisement</td>
<td>Week of 9/11/17</td>
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<tr>
<td>SOQ Due</td>
<td>Week of 10/16/17</td>
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<tr>
<td>Interview</td>
<td>Week of 10/30/17</td>
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<tr>
<td>Cost Negotiation</td>
<td>Week of 11/13/17</td>
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<tr>
<td>Award &amp; Execution</td>
<td>Week of 11/20/17</td>
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For information and procedures on Caltrans A&E contracts, visit the Division of Procurements and Contracts (DPAC) website:

http://www.dot.ca.gov/hq/dpac/aeinfo.htm

Outreach information including questions and answers will be posted on DPAC A&E website. http://www.dot.ca.gov/hq/dpac/aeinfo.htm