

ARCHITECT-ENGINEER QUALIFICATIONS

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PURPOSE

Federal agencies use this form to obtain information from architect-engineer (A-E) firms about their professional qualifications. Federal agencies select firms for A-E contracts on the basis of professional qualifications as required by 40 U.S.C. chapter 11, Selection of Architects Engineers, and Part 36 of the Federal Acquisition Regulation (FAR).

The Selection of Architects and Engineers statute requires the public announcement of requirements for A-E services (with some exceptions provided by other statutes), and the selection of at least three of the most highly qualified firms based on demonstrated competence and professional qualifications according to specific criteria published in the announcement. The Act then requires the negotiation of a contract at a fair and reasonable price starting first with the most highly qualified firm.

The information used to evaluate firms is from this form and other sources, including performance evaluations, any additional data requested by the agency, and interviews with the most highly qualified firms and their references.

GENERAL INSTRUCTIONS

Part I presents the qualifications for a specific contract.

Part II presents the general qualifications of a firm or a specific branch office of a firm. Part II has two uses:

1. An A-E firm may submit Part II to the appropriate central, regional or local office of each Federal agency to be kept on file. A public announcement is not required for certain contracts, and agencies may use Part II as a basis for selecting at least three of the most highly qualified firms for discussions prior to requesting submission of Part I. Firms are encouraged to update Part II on file with agency offices, as appropriate, according to FAR Part 36. If a firm has branch offices, submit a separate Part II for each branch office seeking work.

2. Prepare a separate Part II for each firm that will be part of the team proposed for a specific contract and submitted with Part I. If a firm has branch offices, submit a separate Part II for each branch office that has a key role on the team.

INDIVIDUAL AGENCY INSTRUCTIONS

Individual agencies may supplement these instructions. For example, they may limit the number of projects or number of

pages submitted in Part I in response to a public announcement for a particular project. Carefully comply with any agency instructions when preparing and submitting this form. Be as concise as possible and provide only the information requested by the agency.

DEFINITIONS

Architect-Engineer Services: Defined in FAR 2.101.

Branch Office: A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

Discipline: Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

Firm: Defined in FAR 36.102.

Key Personnel: Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

SPECIFIC INSTRUCTIONS

Part I - Contract-Specific Qualifications

Section A. Contract Information.

1. Title and Location. Enter the title and location of the contract for which this form is being submitted, exactly as shown in the public announcement or agency request.

2. Public Notice Date. Enter the posted date of the agency's notice on the Federal Business Opportunity website (FedBizOpps), other form of public announcement or agency request for this contract.

3. Solicitation or Project Number. Enter the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request for this contract.

Section B. Architect-Engineer Point of Contact.

4-8. Name, Title, Name of Firm, Telephone Number, Fax (Facsimile) Number and E-mail (Electronic Mail) Address. Provide information for a representative of the prime contractor or joint venture that the agency can contact for additional information.

Section C. Proposed Team.

9-11. Firm Name, Address, and Role in This Contract. Provide the contractual relationship, name, full mailing address, and a brief description of the role of each firm that will be involved in performance of this contract. List the prime contractor or joint venture partners first. If a firm has branch offices, indicate each individual branch office that will have a key role on the team. The named subcontractors and outside associates or consultants must be used, and any change must be approved by the contracting officer. (See FAR Part 52 Clause "Subcontractors and Outside Associates and Consultants (Architect-Engineer Services)".) Attach an additional sheet in the same format as Section C if needed.

Section D. Organizational Chart of Proposed Team.

As an attachment after Section C, present an organizational chart of the proposed team showing the names and roles of all key personnel listed in Section E and the firm they are associated with as listed in Section C.

Section E. Resumes of Key Personnel Proposed for This Contract.

Complete this section for each key person who will participate in this contract. Group by firm, with personnel of the prime contractor or joint venture partner firms first. The following blocks must be completed for each resume:

12. Name. Self-explanatory.

13. Role in This Contract. Self-explanatory.

14. Years Experience. Total years of relevant experience (block 14a), and years of relevant experience with current firm, but not necessarily the same branch office (block 14b).

15. Firm Name and Location. Name, city and state of the firm where the person currently works, which must correspond with one of the firms (or branch office of a firm, if appropriate) listed in Section C.

16. Education. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.

17. Current Professional Registration. Provide information on current relevant professional registration(s) in a State or possession of the United States, Puerto Rico, or the District of Columbia according to FAR Part 36.

18. Other Professional Qualifications. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.

19. Relevant Projects. Provide information on up to five projects in which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section F for the project team if the person was not involved in any of those projects or the person worked on other projects that were more relevant than the team projects in Section F. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role (block (3)).

Section F. Example Projects Which Best Illustrate Proposed Team's Qualifications for This Contract.

Select projects where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section F for each project. Present ten projects, unless otherwise specified by the agency. Complete the following blocks for each project:

20. Example Project Key Number. Start with "1" for the first project and number consecutively.

21. Title and Location. Title and location of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.

22. Year Completed. Enter the year completed of the professional services (such as planning, engineering study, design, or surveying), and/or the year completed of construction, if applicable. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block 24).

23a. Project Owner. Project owner or user, such as a government agency or installation, an institution, a corporation or private individual.

23b. Point of Contact Name. Provide name of a person associated with the project owner or the organization which contracted for the professional services, who is very familiar with the project and the firm's (or firms') performance.

23c. Point of Contact Telephone Number Self-explanatory.

24. Brief Description of Project and Relevance to This Contract. Indicate scope, size, cost, principal elements and special features of the project. Discuss the relevance of the example project to this contract. Enter any other information requested by the agency for each example project.

25. Firms from Section C Involved with This Project. Indicate which firms (or branch offices, if appropriate) on the project team were involved in the example project, and their roles. List in the same order as Section C.

Section G. Key Personnel Participation in Example Projects.

This matrix is intended to graphically depict which key personnel identified in Section E worked on the example projects listed in Section F. Complete the following blocks (see example below).

26. and 27. Names of Key Personnel and Role in This Contract. List the names of the key personnel and their proposed roles in this contract in the same order as they appear in Section E.

28. Example Projects Listed in Section F. In the column under each project key number (see block 29) and for each key person, place an "X" under the project key number for participation in the same or similar role.

29. Example Projects Key. List the key numbers and titles of the example projects in the same order as they appear in Section F.

Section H. Additional Information.

30. Use this section to provide additional information specifically requested by the agency or to address selection criteria that are not covered by the information provided in Sections A-G.

Section I. Authorized Representative.

31. and 32. Signature of Authorized Representative and Date. An authorized representative of a joint venture or the prime contractor must sign and date the completed form. Signing attests that the information provided is current and factual, and that all firms on the proposed team agree to work on the project. Joint ventures selected for negotiations must make available a statement of participation by a principal of each member of the joint venture.

33. Name and Title. Self-explanatory.

SAMPLE ENTRIES FOR SECTION G (MATRIX)

| 26. NAMES OF KEY PERSONNEL (From Section E, Block 12) | 27. ROLE IN THIS CONTRACT (From Section E, Block 13) | 28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below first, before completing table. Place "X" under project key number for participation in same or similar role.) | | | | | | | | | |
|--|---|--|---|---|---|---|---|---|---|---|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Jane A. Smith | Chief Architect | X | | X | | | | | | | |
| Joseph B. Williams | Chief Mech. Engineer | X | X | X | X | | | | | | |
| Tara C. Donovan | Chief Elec. Engineer | X | X | | X | | | | | | |
| | | | | | | | | | | | |

29. EXAMPLE PROJECTS KEY

| NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) | NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) |
|-----|--|-----|---|
| 1 | Federal Courthouse, Denver, CO | 6 | XYZ Corporation Headquarters, Boston, MA |
| 2 | Justin J. Wilson Federal Building, Baton Rouge, LA | 7 | Founder's Museum, Newport RI |

Part II - General Qualifications

See the " **General Instructions** " on page 1 for firms with branch offices. Prepare Part II for the specific branch office seeking work if the firm has branch offices.

1. Solicitation Number. If Part II is submitted for a specific contract, insert the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request.

2a-2e. Firm (or Branch Office) Name and Address. Self-explanatory.

3. Year Established. Enter the year the firm (or branch office, if appropriate) was established under the current name.

4. DUNS Number. Insert the Data Universal Numbering System number issued by Dun and Bradstreet Information Services. Firms must have a DUNS number. See FAR Part 4.6.

5. Ownership.

a. Type. Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).

b. Small Business Status. Refer to the North American Industry Classification System (NAICS) code in the public announcement, and indicate if the firm is a small business according to the current size standard for that NAICS code (for example, Engineering Services (part of NAICS 541330), Architectural Services (NAICS 541310), Surveying and Mapping Services (NAICS 541370)). The small business categories and the internet website for the NAICS codes appear in FAR Part 19. Contact the requesting agency for any questions. Contact your local U.S. Small Business Administration office for any questions regarding Business Status.

6a-6c. Point of Contact. Provide this information for a representative of the firm that the agency can contact for additional information. The representative must be empowered to speak on contractual and policy matters.

7. Name of Firm. Enter the name of the firm if Part II is prepared for a branch office.

8a-8c. Former Firm Names. Indicate any other previous names for the firm (or branch office) during the last six years. Insert the year that this corporate name change was

effective and the associated DUNS Number. This information is used to review past performance on Federal contracts.

9. Employees by Discipline. Use the relevant disciplines and associated function codes shown at the end of these instructions and list in the same numerical order. After the listed disciplines, write in any additional disciplines and leave the function code blank. List no more than 20 disciplines. Group remaining employees under "Other Employees" in column b. Each person can be counted only once according to his/her primary function. If Part II is prepared for a firm (including all branch offices), enter the number of employees by disciplines in column c(1). If Part II is prepared for a branch office, enter the number of employees by discipline in column c(2) and for the firm in column c(1).

10. Profile of Firm's Experience and Annual Average Revenue for Last 5 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the experience categories which most accurately reflect the firm's technical capabilities and project experience. Use the relevant experience categories and associated profile codes shown at the end of these instructions, and list in the same numerical order. After the listed experience categories, write in any unlisted relevant project experience categories and leave the profile codes blank. For each type of experience, enter the appropriate revenue index number to reflect the professional services revenues received annually (averaged over the last 5 years) by the firm or branch office for performing that type of work. A particular project may be identified with one experience category or it may be broken into components, as best reflects the capabilities and types of work performed by the firm. However, do not double count the revenues received on a particular project.

11. Annual Average Professional Services Revenues of Firm for Last 3 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the appropriate revenue index numbers to reflect the professional services revenues received annually (averaged over the last 3 years) by the firm or branch office. Indicate Federal work (performed directly for the Federal Government, either as the prime contractor or subcontractor), non-Federal work (all other domestic and foreign work, including Federally-assisted projects), and the total. If the firm has been in existence for less than 3 years, see the definition for "Annual Receipts" under FAR 19.101.

12. Authorized Representative. An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

List of Disciplines (Function Codes)

| Code | Description | Code | Description |
|-------------|--|-------------|-------------------------------------|
| 01 | Acoustical Engineer | 32 | Hydraulic Engineer |
| 02 | Administrative | 33 | Hydrographic Surveyor |
| 03 | Aerial Photographer | 34 | Hydrologist |
| 04 | Aeronautical Engineer | 35 | Industrial Engineer |
| 05 | Archeologist | 36 | Industrial Hygienist |
| 06 | Architect | 37 | Interior Designer |
| 07 | Biologist | 38 | Land Surveyor |
| 08 | CADD Technician | 39 | Landscape Architect |
| 09 | Cartographer | 40 | Materials Engineer |
| 10 | Chemical Engineer | 41 | Materials Handling Engineer |
| 11 | Chemist | 42 | Mechanical Engineer |
| 12 | Civil Engineer | 43 | Mining Engineer |
| 13 | Communications Engineer | 44 | Oceanographer |
| 14 | Computer Programmer | 45 | Photo Interpreter |
| 15 | Construction Inspector | 46 | Photogrammetrist |
| 16 | Construction Manager | 47 | Planner: Urban/Regional |
| 17 | Corrosion Engineer | 48 | Project Manager |
| 18 | Cost Engineer/Estimator | 49 | Remote Sensing Specialist |
| 19 | Ecologist | 50 | Risk Assessor |
| 20 | Economist | 51 | Safety/Occupational Health Engineer |
| 21 | Electrical Engineer | 52 | Sanitary Engineer |
| 22 | Electronics Engineer | 53 | Scheduler |
| 23 | Environmental Engineer | 54 | Security Specialist |
| 24 | Environmental Scientist | 55 | Soils Engineer |
| 25 | Fire Protection Engineer | 56 | Specifications Writer |
| 26 | Forensic Engineer | 57 | Structural Engineer |
| 27 | Foundation/Geotechnical Engineer | 58 | Technician/Analyst |
| 28 | Geodetic Surveyor | 59 | Toxicologist |
| 29 | Geographic Information System Specialist | 60 | Transportation Engineer |
| 30 | Geologist | 61 | Value Engineer |
| 31 | Health Facility Planner | 62 | Water Resources Engineer |

List of Experience Categories (Profile Codes)

| Code | Description | Code | Description |
|------|---|------|--|
| A01 | Acoustics, Noise Abatement | E01 | Ecological & Archeological Investigations |
| A02 | Aerial Photography; Airborne Data and Imagery Collection and Analysis | E02 | Educational Facilities; Classrooms |
| A03 | Agricultural Development; Grain Storage; Farm Mechanization | E03 | Electrical Studies and Design |
| A04 | Air Pollution Control | E04 | Electronics |
| A05 | Airports; Navaids; Airport Lighting; Aircraft Fueling | E05 | Elevators; Escalators; People-Movers |
| A06 | Airports; Terminals and Hangars; Freight Handling | E06 | Embassies and Chanceries |
| A07 | Arctic Facilities | E07 | Energy Conservation; New Energy Sources |
| A08 | Animal Facilities | E08 | Engineering Economics |
| A09 | Anti-Terrorism/Force Protection | E09 | Environmental Impact Studies, Assessments or Statements |
| A10 | Asbestos Abatement | E10 | Environmental and Natural Resource Mapping |
| A11 | Auditoriums & Theaters | E11 | Environmental Planning |
| A12 | Automation; Controls; Instrumentation | E12 | Environmental Remediation |
| B01 | Barracks; Dormitories | E13 | Environmental Testing and Analysis |
| B02 | Bridges | F01 | Fallout Shelters; Blast-Resistant Design |
| C01 | Cartography | F02 | Field Houses; Gyms; Stadiums |
| C02 | Cemeteries (<i>Planning & Relocation</i>) | F03 | Fire Protection |
| C03 | Charting: Nautical and Aeronautical | F04 | Fisheries; Fish ladders |
| C04 | Chemical Processing & Storage | F05 | Forensic Engineering |
| C05 | Child Care/Development Facilities | F06 | Forestry & Forest products |
| C06 | Churches; Chapels | G01 | Garages; Vehicle Maintenance Facilities; Parking Decks |
| C07 | Coastal Engineering | G02 | Gas Systems (Propane; Natural, Etc.) |
| C08 | Codes; Standards; Ordinances | G03 | Geodetic Surveying: Ground and Air-borne |
| C09 | Cold Storage; Refrigeration and Fast Freeze | G04 | Geographic Information System Services: Development, Analysis, and Data Collection |
| C10 | Commercial Building (<i>low rise</i>) ; Shopping Centers | G05 | Geospatial Data Conversion: Scanning, Digitizing, Compilation, Attributing, Scribing, Drafting |
| C11 | Community Facilities | G06 | Graphic Design |
| C12 | Communications Systems; TV; Microwave | H01 | Harbors; Jetties; Piers, Ship Terminal Facilities |
| C13 | Computer Facilities; Computer Service | H02 | Hazardous Materials Handling and Storage |
| C14 | Conservation and Resource Management | H03 | Hazardous, Toxic, Radioactive Waste Remediation |
| C15 | Construction Management | H04 | Heating; Ventilating; Air Conditioning |
| C16 | Construction Surveying | H05 | Health Systems Planning |
| C17 | Corrosion Control; Cathodic Protection; Electrolysis | H06 | Highrise; Air-Rights-Type Buildings |
| C18 | Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting | H07 | Highways; Streets; Airfield Paving; Parking Lots |
| C19 | Cryogenic Facilities | H08 | Historical Preservation |
| D01 | Dams (<i>Concrete; Arch</i>) | H09 | Hospital & Medical Facilities |
| D02 | Dams (<i>Earth; Rock</i>); Dikes; Levees | H10 | Hotels; Motels |
| D03 | Desalinization (<i>Process & Facilities</i>) | H11 | Housing (<i>Residential, Multi-Family; Apartments; Condominiums</i>) |
| D04 | Design-Build - Preparation of Requests for Proposals | H12 | Hydraulics & Pneumatics |
| D05 | Digital Elevation and Terrain Model Development | H13 | Hydrographic Surveying |
| D06 | Digital Orthophotography | | |
| D07 | Dining Halls; Clubs; Restaurants | | |
| D08 | Dredging Studies and Design | | |

List of Experience Categories (Profile Codes)

| Code | Description | Code | Description |
|------|---|------|--|
| I01 | Industrial Buildings; Manufacturing Plants | P09 | Product, Machine Equipment Design |
| I02 | Industrial Processes; Quality Control | P10 | Pneumatic Structures, Air-Support Buildings |
| I03 | Industrial Waste Treatment | P11 | Postal Facilities |
| I04 | Intelligent Transportation Systems | P12 | Power Generation, Transmission, Distribution |
| I05 | Interior Design; Space Planning | P13 | Public Safety Facilities |
| I06 | Irrigation; Drainage | R01 | Radar; Sonar; Radio & Radar Telescopes |
| J01 | Judicial and Courtroom Facilities | R02 | Radio Frequency Systems & Shieldings |
| L01 | Laboratories; Medical Research Facilities | R03 | Railroad; Rapid Transit |
| L02 | Land Surveying | R04 | Recreation Facilities (Parks, Marinas, Etc.) |
| L03 | Landscape Architecture | R05 | Refrigeration Plants/Systems |
| L04 | Libraries; Museums; Galleries | R06 | Rehabilitation (Buildings; Structures; Facilities) |
| L05 | Lighting (Interior; Display; Theater, Etc.) | R07 | Remote Sensing |
| L06 | Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.) | R08 | Research Facilities |
| M01 | Mapping Location/Addressing Systems | R09 | Resources Recovery; Recycling |
| M02 | Materials Handling Systems; Conveyors; Sorters | R10 | Risk Analysis |
| M03 | Metallurgy | R11 | Rivers; Canals; Waterways; Flood Control |
| M04 | Microclimatology; Tropical Engineering | R12 | Roofing |
| M05 | Military Design Standards | S01 | Safety Engineering; Accident Studies; OSHA Studies |
| M06 | Mining & Mineralogy | S02 | Security Systems; Intruder & Smoke Detection |
| M07 | Missile Facilities (Silos; Fuels; Transport) | S03 | Seismic Designs & Studies |
| M08 | Modular Systems Design; Pre-Fabricated Structures or Components | S04 | Sewage Collection, Treatment and Disposal |
| N01 | Naval Architecture; Off-Shore Platforms | S05 | Soils & Geologic Studies; Foundations |
| N02 | Navigation Structures; Locks | S06 | Solar Energy Utilization |
| N03 | Nuclear Facilities; Nuclear Shielding | S07 | Solid Wastes; Incineration; Landfill |
| O01 | Office Buildings; Industrial Parks | S08 | Special Environments; Clean Rooms, Etc. |
| O02 | Oceanographic Engineering | S09 | Structural Design; Special Structures |
| O03 | Ordnance; Munitions; Special Weapons | S10 | Surveying; Platting; Mapping; Flood Plain Studies |
| P01 | Petroleum Exploration; Refining | S11 | Sustainable Design |
| P02 | Petroleum and Fuel (Storage and Distribution) | S12 | Swimming Pools |
| P03 | Photogrammetry | S13 | Storm Water Handling & Facilities |
| P04 | Pipelines (Cross-Country - Liquid & Gas) | T01 | Telephone Systems (<i>Rural; Mobile; Intercom, Etc.</i>) |
| P05 | Planning (Community, Regional, Areawide and State) | T02 | Testing & Inspection Services |
| P06 | Planning (Site, Installation, and Project) | T03 | Traffic & Transportation Engineering |
| P07 | Plumbing & Piping Design | T04 | Topographic Surveying and Mapping |
| P08 | Prisons & Correctional Facilities | T05 | Towers (<i>Self-Supporting & Guyed Systems</i>) |
| | | T06 | Tunnels & Subways |

List of Experience Categories (Profile Codes)

| Code | Description |
|-------------|--|
| U01 | Unexploded Ordnance Remediation |
| U02 | Urban Renewals; Community Development |
| U03 | Utilities (Gas and Steam) |
| V01 | Value Analysis; Life-Cycle Costing |
| W01 | Warehouses & Depots |
| W02 | Water Resources; Hydrology; Ground Water |
| W03 | Water Supply; Treatment and Distribution |
| W04 | Wind Tunnels; Research/Testing Facilities Design |
| Z01 | Zoning; Land Use Studies |

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Light Industrial Projects, Sacramento District US Army Corps of Engineers

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Leon Carvier, AIA, President

5. NAME OF FIRM

Kellerman Architects and Engineers

6. TELEPHONE NUMBER

(510) 999-1234

7. FAX NUMBER

(510) 888-5678

8. E-MAIL ADDRESS

lcarvier@kellerman.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

| (Check) | | | | 9. FIRM NAME | 10. ADDRESS | 11. ROLE IN THIS CONTRACT |
|---------|-------|-------------|---------------|--|---|--|
| | PRIME | J-V PARTNER | SUBCONTRACTOR | | | |
| a. | ✓ | | | Kellerman Architects and Engineers <input type="checkbox"/> CHECK IF BRANCH OFFICE | 618 21st Street, Suite 222 Oakland, California 94612 | Principal-In-Charge |
| b. | | | ✓ | Firestone Engineers (Small Business) <input type="checkbox"/> CHECK IF BRANCH OFFICE | 777 Arizona Street, Suite 123 San Francisco, CA 94104-1006 | Electrical Engineering Equipment Engineering Civil Engineering |
| c. | | | ✓ | L-M Consultants (Small Business) <input type="checkbox"/> CHECK IF BRANCH OFFICE | 9866 Cartwell Drive, Suite 300 Oakland, CA 94612 | Mechanical Engineering |
| d. | | | ✓ | ACE Environmental Engineers (Small Business) <input type="checkbox"/> CHECK IF BRANCH OFFICE | 420 18th Street Oakland, CA 94612 | Hazardous Materials Abatement |
| e. | | | ✓ | John Northwith (Small Business) <input type="checkbox"/> CHECK IF BRANCH OFFICE | 3187 Bayshore Avenue Oakland, CA 94612 | Landscape Architecture |
| f. | | | ✓ | Marine Engineering Group (Small Business) <input type="checkbox"/> CHECK IF BRANCH OFFICE | 21 Pulley Avenue, 19th Floor San Francisco, CA 94108 | Cost Estimating |

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

5. NAME OF FIRM

6. TELEPHONE NUMBER

7. FAX NUMBER

8. E-MAIL ADDRESS

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

| (Check) | | | | 9. FIRM NAME | 10. ADDRESS | 11. ROLE IN THIS CONTRACT |
|---------|-------|-----|---------|---|--|---------------------------|
| | PRIME | J-V | PARTNER | | | |
| a. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| b. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| c. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| d. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| e. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE | | |
| f. | | | | <input type="checkbox"/> CHECK IF BRANCH OFFICE Dante Design, Inc. (Small Business) | 88 Old Ward Street, Suite 456 San Francisco, CA 94105 | Structural Engineering |

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)

PROJECT ORGANIZATION CHART
938th Engineering Installation Squadron Facility
Beale Air Force Base, California

**US ARMY
SACRAMENTO DISTRICT
CORPS OF ENGINEERS**

Kellerman

Leon Carvier, Principal-In-Charge
Oliver Martin, Project Manager
Henry Hayden, Specifications Writer

**DANTE DESIGN
INC**

Structural Engineers

George Dante
Principal Engineer
Kevin B. Wright
Project Engineer

**FIRESTONE ENGINEERS
INC**

Electrical, Equipment
and Civil Engineers
Grant Lehigh, Electrical
Tony Capriotti, Equipment
George Freiheit, Facilities
Jim Weston, Civil

L-M ENGINEERS

Mechanical Engineers

George Neilson, Principal
Engineer
Jodi Hardt, Project
Engineer

**JOHN NORTHWITH
ASLA**

Landscape Architect

John Northwith, Principal
Landscape Architect

**ACE ENVIRONMENTAL
ENGINEERS**

Hazardous Materials
Consultant
Charles Keith, Certified
Industrial Hygienist
George Byron, Hazardous
Materials Consultant

**MARINE ENGINEERING
GROUP**

Cost Estimating

Ronnie Herst, Project
Estimator

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|--|----------------------|----------------------------|
| 12. NAME Leon Carvier, Vice-President | 13. ROLE IN THIS CONTRACT Principal-In-Charge | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 30 | b. WITH CURRENT FIRM 29 |

15. FIRM NAME AND LOCATION *(City and State)*
Kellerman Architects and Engineers, Oakland, California

| | |
|--|---|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B. Arch/1974, MIT Graduate Studies, Fulbright Grant, 1975 University of Karlsruhe, Germany | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered California Architect/1980 |
|--|---|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Carvier has directed all of the firm's DoD projects, and his familiarity with the needs, standards and management approach particular to DoD projects adds value to the project and the facilitates its success.

19. RELEVANT PROJECTS

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Consolidated Material Processing Facility, Davis-Monthan AFB, Tucson, AZ | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design and performance specifications for an ultimate design/build project including a 13,000 sf administrative building and 30,000 sf warehouse for the US Department of the Air Force Aerospace maintenance and Regeneration Center. The facility is used to process and maintain aircraft and components and supports both the reclamation of parts and the preparation of aircraft for return to service. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Transportation Maintenance Shops, Navy Public Works Center, Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2007 | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A 90,000 sf Maintenance Facility with a separate 16,000 sf Administration Building. The maintenance facility houses heavy duty material handling equipment & automotive, light truck work bays; welding, tire repair, and related storage; cranes; wash and steam; body shops and paint booths; small machine shops; battery charging room; lunch/locker/training rooms; and parts and tools storage. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Coast Guard Loading Facility, Long Beach, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Support facilities for the US Coast Guard ship maintenance team at Terminal Island providing electronics and industrial shops, recreational and multipurpose spaces, offices, a library/reading room, lockers, and toilet/shower facilities. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> N. A. Chaderjian School, Stockton, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This new 350,000 sf project for the California Department of the youth authority included renovations to central support facilities including warehouse, kitchen, gatehouse, vehicle maintenance shops and pump stations. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> •Santa Rita Replacement Facility, Pleasonton, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A self-sufficient 800,000 sf county detention complex including housing units, full support and maintenance facilities, and central core facilities; designed entirely on CADD. | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|--|----------------------|---------------------------|
| 12. NAME Oliver Martin, AIA Architect | 13. ROLE IN THIS CONTRACT Project Manager | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 23 | b. WITH CURRENT FIRM 3 |

15. FIRM NAME AND LOCATION *(City and State)*
Kellerman Architects and Engineers, Oakland, CA

| | |
|--|---|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B. Environmental Design, Architecture/1972 University of California at Berkeley | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered California Architect/1992 |
|--|---|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Prior to joining Kellerman, Mr. Martin served for ten years as Principal in his own firm. He brings to the project a complete working knowledge of the construction field having served as a general building contractor and as a Registered Field Inspector for the US Department of Housing and Urban Development.

19. RELEVANT PROJECTS

| (1) TITLE AND LOCATION <i>(City and State)</i> | (2) YEAR COMPLETED | |
|---|-----------------------|-------------------------------------|
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| <p>a. Mosquito Abatement District Facility, Fairfield, CA</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A 27,000 sf facility involving phased construction. The complex includes administration and research laboratories, a fisheries building, a pesticide storage building, storage and a carport.</p> | 2010 | |
| <p>b. Amtrak Rail Station, Oakland, CA</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A new passenger rail station at Oakland's Embarcadero will bring new vitality to the Jack London Square area. The project includes parking for 122 cars, 12 bay bus berthing facilities and a pedestrian bridge.</p> | 2009 | |
| <p>c. 1035-1045 Market Street, San Francisco, CA</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Renovation of a five store, 80,000 square foot building, plus a two story, 30,000 square foot addition including a new facade and garage.</p> | 2007 | |
| <p>d. Laguna Hills Holiday Inn Addition, Laguna Hills, CA</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm A three story, 96 room addition including a parking structure for 225 cars, entry lobby, and extensive landscaped courts and gardens.</p> | 2007 | |
| <p>e. Condominiums and Retail, 1700 Van Ness Avenue, San Francisco, CA</p> <p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm 51 units in a 8 story building with two levels of below grade parking.</p> | 2006 | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|--|----------------------|--------------------------------|
| 12. NAME Henry Hayden, CSS, CSI | 13. ROLE IN THIS CONTRACT Specifications Writer | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 41 | b. WITH CURRENT FIRM 16 |

15. FIRM NAME AND LOCATION *(City and State)*
Kellerman Architects and Engineers, Oakland, California

| | |
|--|--|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> AB Architecture/1971 University of California at Berkeley | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered California Architect/1979 Certified Construction Specified/1988 |
|--|--|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Hayden is a past president of the East Bay Chapter of the Construction Specifications Institute and remains an active member.

19. RELEVANT PROJECTS

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Chevron Corporate Aircraft Hangar, Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This new, state of the art 40,000 sf maintenance hangar and office and shop building of approximately 10,000 sf houses up to five corporate jets and is supported by a fully equipped maintenance department and complete administrative functions. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Alaska Airlines Hangar Renovations/Alterations, Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2008 | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This design/build project involved the alteration and upgrade of a 35 year old aircraft hangar to meet current aircraft maintenance requirements and standards. Includes parts and equipment maintenance shops, administrative offices, building shell, and electrical and mechanical systems. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> AC Transit Administrative Building & Maintenance Facility Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2007 | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 100,000 square feet on 12 acres including an 18,000 square foot administration building, a 73,000 square foot vehicle and equipment maintenance building, two bus washing facilities and extensive site work. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> N.A. Chaderjian School, Stockton, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This new 350,000 sf project for the California Department of the youth authority included renovations to central support facilities including warehouse, kitchen, gatehouse, vehicle maintenance shops and pump stations. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> •Consolidated Support Center, Travis AFB, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2012 | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Alteration of a 1940's hospital to administrative headquarters and communications center for the 22nd Air Force, including seismic and code upgrades and hazardous materials abatement. | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|------------------------------|---|----------------------|---------------------------|
| 12. NAME Grant Lehigh | 13. ROLE IN THIS CONTRACT Senior Electrical Engineer/Program Mgr | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 20 | b. WITH CURRENT FIRM 3 |

15. FIRM NAME AND LOCATION *(City and State)*
Firestone Engineers, San Francisco, CA

| | |
|--|--|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S./ University of California/1989/ Electrical Engineering B.S./Cal State University/1980/Management Science | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1989/Professional Engineer (Electrical), CA |
|--|--|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Worked for the Corps of Engineers Sacramento District CA as an Electrical Engineer

19. RELEVANT PROJECTS

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Utilities Engineering Bureau, San Francisco, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Lead a team of geotechnical, structural and corrosion engineers to evaluate the condition of a portal structure consisting of soldier piles and wood lagging. Made recommendations to prolong useful life including capital and maintenance considerations.

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Essex Maintenance, Essex, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Provided electrical design and construction engineering for this Caltrans Maintenance facility including shops, fueling island, maintenance bays, and high security areas.

| | | |
|--|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Bay Area Rapid Transit District, Pittsburg, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Provided a complete electrical procurement package including plans, specifications, and estimates for this new 100,000 sq. ft. passenger facility. The package included power, lighting, grounding, fire, SCADA, telephone, PA, CCTV and control schematics. Coordinating with community groups, conforming to local codes and close tracking with Caltrans were a few of the requirements of this phased construction project.

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> AC Transit Transportation & Maintenance Facility, Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2007 | CONSTRUCTION <i>(If applicable)</i> |

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Responsible for designing the power, lighting, communications and fire alarm/detection systems plans, specifications and cost estimates for a new bus maintenance facility and training center.

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Consolidated Material Processing Facility at Davis-Monthan AFB Tucson, AZ | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
This 43,000 sq. ft. facility included a 13,000 sq. ft. administration building, a 30,000 sq. ft. warehouse and 50 surface parking spaces for use by US Department of the Air Force Aerospace Maintenance and Regeneration Center (AMARC).

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|---|---|--------------------------------|
| 12. NAME Tony Capriotti | 13. ROLE IN THIS CONTRACT Equipment Design | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 15 | b. WITH CURRENT FIRM 13 |
| 15. FIRM NAME AND LOCATION <i>(City and State)</i> Firestone Engineers, San Francisco, CA | | | |
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> California State University, Long Beach/Engineering | | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> | | | |

19. RELEVANT PROJECTS

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> North County Transit District's West Division Expansion Oceanside, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2012 | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Responsibilities included equipment layouts of the maintenance building including a bush wash area, undercarriage cleaning area, and a cyclone vacuum cleaning system, and specifications and cost estimates for all maintenance equipment on site. Facility was designed to maintain 185 buses. Responsibilities also included construction management and shop drawings. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Orange County Transportation Authority's Irvine Division Rebuilt, Irvine, CA. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Equipment designer responsible for the layout of an engine and transmission rebuilt assembly lines for the OCTA. Renovation of this existing facility provided OCTA with a state of the art power train rebuilt shop with dynamometer testing. Responsibilities included equipment layouts, specifications and cost estimates. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Southern California Rapid Transit District's Central Maintenance Facility, Los Angeles, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Equipment designer for the 5,000 bus central maintenance facility which included a Unit Shops building, a Telecommunications building, Bus Repair building and a Stores building, and a Paint Shop which included an automated storage and retrieval system and paint robotics system. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Air National Guard's Composite Vehicle Maintenance/AGE Facility, Van Nuys, CA. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Responsibilities included facility and equipment layouts, specifications and cost estimates for all maintenance and servicing equipment including a fuel island and overhead exhaust system. Drawings were created using CADD. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Marine Corps Logistics Base's Industrial Engineering Study, Barstow, CA. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assisted in analyzing maintenance operations performed at the Yermo Base and recommended improvements to the facility's functional layout, operations and material handling in order to increase operation efficiency. Equipment layouts were created for all departments and chops to show existing and proposed conditions. Drawings were created using CADD. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|--|---|---------------------------|
| 12. NAME George Freiheit | 13. ROLE IN THIS CONTRACT Program manager - Facilities Engineer | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 20 | b. WITH CURRENT FIRM 0 |
| 15. FIRM NAME AND LOCATION <i>(City and State)</i> Firestone Engineers, San Francisco, CA | | | |
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S.C.E., Lafayette College, 1979 | | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1983/Civil | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Experienced in all phases of project implementation including conceptual layouts, schematic designs, final design and detailing, cost estimating, and construction support services. | | | |

19. RELEVANT PROJECTS

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|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Santa Cruz Facilities Consolidation Study, Santa Cruz, CA. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager responsible for the consolidation of the existing facilities for the Santa Cruz metropolitan Transit District (SCMTD). Responsibilities included the involvement in analyzing various sites and verify the potential use for the consolidation of the existing facilities. The study consisted of five issues; Facility Needs Assessment, Real State Evaluation, Identification of Alternatives, Capital Cost Estimates, Staffing and Economic Analyses. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Consolidated Material Processing Facility Davis-Monthan AFB, Tucson, AZ. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This 43,000 sq ft facility included a 13,000 sq ft administration building, a 30,000 sq ft warehouse and 50 surface parking spaces for use by US Department of the Air Force Aerospace Maintenance and Regeneration Center k (AMARC), | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Alternative Fuels Study, VIA Metropolitan Transit, San Antonio, TX | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager responsible for the development of facility modifications required to accommodate the maintenance, fueling, and servicing of an alternatively fueled fleet of heavy duty buses, vans and non revenue vehicles. This work for VIA Metropolitan Transit included development of modifications, costs, phasing, and impacts on operations. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Valhalla Campus Bus Facility, White Plains, NY. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2008 | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for the planning, design, and construction support services for a new 116,000 sf, 100 bus operating garage for the County of Westchester, NY. Services provided and tasks performed included: Program analysis, Schematic design including conceptual layouts, cost estimates, a construction schedule, and an equipment manual. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> MUNI, San Francisco, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2007 | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Deputy Project Manager overseeing the design and PS&E for the demolition of existing buildings and the removal of hazardous materials for the MUNI maintenance facility in San Francisco. | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|---|---|-------------------------------|
| 12. NAME Jim Weston, P.E. | 13. ROLE IN THIS CONTRACT Project-Civil Engineer | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 12 | b. WITH CURRENT FIRM 8 |
| 15. FIRM NAME AND LOCATION <i>(City and State)</i> Firestone Engineers, San Fransico, CA | | | |
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B..S./Drexel University/1984/Civil Engineering | | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1987/Professional Engineer (Civil), CA | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> | | | |

19. RELEVANT PROJECTS

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> BART/PAX Section 4 Extension, San Francisco, CA. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer overseeing the entire contract for the Bay Area Rapid Transit System. Project consisted of providing final design for a station and a two mile rail alignment with various utilities and development of drainage facilities including pipe culvert, detention basin, trackway drainage, and stormwater permitting. Responsibilities included coordination between design team and BART & Caltrans, preparation of contract documents for both station & alignment. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> AT & SF TOFC Railyard rehabilitation, San Diego, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Tasks included drainage Design, Pavement Design, Environmental Remediation and Utility Coordination. In addition, Mr. Weston was on site Construction Manager overseeing the contractor's operation and performing coordination with the City of San Diego Permitting Authorities Essex maintenance, Essex, CA. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Park and Ride Facilities, Los Angeles, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for the coordination and supervision of Civil, Electrical and Mechanical engineering design for five Light Rail Stations and two Park and Ride Facilities. Design for stations include station platforms, lighting, plumbing and drainage. Park and Ride facilities include grading and drainage for parking lots, curbs, gutter and street improvements in the surrounding area. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Transportation Corridor Agencies of Orange County, Costa Mesa, CA. | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Preliminary engineering for East Orange Interchange. Project includes extensive drainage, bridge, cut and cover R.C. tunnels, utility plans/coordination and quantity estimates. | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> I-83 Widening | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2008 | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Designer involved with the preparation of Staged Construction Plans for the 2.2 mile widening project. Tasks involved staged construction schedule, temporary roadway detours and maintaining 2 through lanes of traffic in each direction throughout the construction. | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|--|--|---------------------------|
| 12. NAME George Dante, Principal | 13. ROLE IN THIS CONTRACT Principal Structural Engineer | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 15 | b. WITH CURRENT FIRM 8 |
| 15. FIRM NAME AND LOCATION <i>(City and State)</i> Dante Design, San Francisco, CA | | | |
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Princeton University, 1980, Civil Engineering M.S., Stanford University, 1984, Structural Engineering | | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Civil, 1982, California; Structural, 1988, California | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> | | | |

19. RELEVANT PROJECTS

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Maintenance/Repair Shops and Storage Facility, Oakland Naval Supply Center, Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE 80,000 sf high bay steel frame maintenance facility with exterior tilt up concrete panels housing public works department, shops, offices plus a seismic retrofit of an existing 100,000 sf warehouse. \$10.5M construction cost | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Corporate Headquarters, Failure Analysis Associates Menlo Park, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE 3 story 150,000 sf steel frame structure with high bay labs, bridge cranes, foundations for electron microscope and similar equipment. \$12M construction cost. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Light Manufacturing Facility, Hewlett Packard Company Roseville, California | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE 190,000 sf single story high bay facility with shipping/receiving docks, and covered links to adjacent buildings. Tilt-up concrete panel enclosure with metal deck over open web steel joist and girder long span roof framing supported on steel columns. \$13M construction cost. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> CALTRANS Vehicle Maintenance Facility Coalinga, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Complex of three single story buildings totaling 15,000 sf housing administrative offices, paint and equipment maintenance shops, vehicle maintenance bays, material storage bins, and fuel storage tanks. \$1M construction cost. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Bus Maintenance Facility, City of Simi Valley Simi Valley, California | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2012 | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Two single story wood framed buildings of 12,000 sf including an office wing and a high bay maintenance shop. \$1.8M construction cost. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|--|--|-------------------------------|
| 12. NAME Kevin B. Wright | 13. ROLE IN THIS CONTRACT Project Structural Engineer | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 16 | b. WITH CURRENT FIRM 6 |
| 15. FIRM NAME AND LOCATION <i>(City and State)</i> Dante Design, San Francisco, CA | | | |
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., University of California, Berkeley, 1976, Civil M.S., University of California, Berkeley, 1980, Structural | | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Civil, 1979, California; Structural, 1992, California | |
| 18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> | | | |

19. RELEVANT PROJECTS

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Bridge and Culvert Study, Naval Weapons Center Concord, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural evaluations of 57 separate bridge and culvert structures for 1) state of repair, 2) seismic safety and 3) vertical load capacity. Preparation of engineering report including cost estimates for military repair project funding and recommendations for Milcon projects. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> US Embassy Manama, Britain | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2005 | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural design of embassy facility, including seismic and blast load analysis and design of security requirements. \$20M estimated construction cost. | | |
| <input type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Irvington Streetscape Fremont, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Structural design of landscape features located on 5 street corners at the major city center intersection including monuments, colonnades, space frames mounted on concrete columns, plus seating, curb walls, flagpoles, and other landscaping features. \$1.5 M construction cost. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Various County Fairground Sites throughout California | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Under direct contract to the California Fairs Financing Authority, DANTE provided structural engineering for single story steel frame structures housing lounges, public betting areas, satellite communication centers, and support areas. These included prototypical designs for 20,000 sf, 30,000, sf, and 52,000 sf buildings which were adapted to sites in Santa Rosa, Pleasanton, Stockton, and San Bernardino. \$14M construction cost. | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Wood Waste Loading Facility, Davis St. Station Oakland Scavenger Co. San Leandro, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE 16,000 sf loading facility consisting of concrete slab storage and bulk loading platform. solidier beam/lagging perimeter bulkhead and steel framed retaining walls. framed retaining walls. Services included preparation of construction documents and construction administrative services. \$800,000 construction cost | | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|---|----------------------|----------------------------|
| 12. NAME George Neilson, Principal | 13. ROLE IN THIS CONTRACT Plumbing and Fire Protection | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 21 | b. WITH CURRENT FIRM 11 |

15. FIRM NAME AND LOCATION *(City and State)*
L-M Consultants, Oakland, CA

| | |
|---|--|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BSME/1977 - Plumbing and Fire Protection De La Salle University, Philippines | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1982/Mechanical Engineering, State of California 1983/Fire Protection, State of California 1973 Certified in Plumbing Engineering |
|---|--|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Familiar with naval design requirements on projects such as the Wholesale Repairs to 112 Units Oakland Army Base for the Western Division Naval Facilities Engineer Command, Repair and Alterations to Buildings 487, 488 and 489 Oakland Naval Supply Center for the Navy Public Works Center, Conference/Training Building 533 Oakland Naval Supply Center.

19. RELEVANT PROJECTS

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Municipal Service Center #5, Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Project Engineer Check if project performed with current firm

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> San Francisco International Airport Central Terminal USO Lounge and Boarding Area "D", San Francisco, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
 Check if project performed with current firm

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Jack London Square Amtrack Rail Station, Oakland, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Jack London Square Amtrack Rail Station in Oakland, which involved design and specification of fuel system, vehicle wash facilities, compressed air and lubrication systems. Check if project performed with current firm

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Project Engineer for various Renovation | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Various renovation projects such as the Oakland City Hall Seismic Retrofit, USPS Renovation Projects, 15 renovation projects for the Navy at Oakland Naval Supply Center, and the War Memorial Opera House Seismic Retrofit in San Francisco. Check if project performed with current firm

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> North Concord Martinez BART Station, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Project engineer Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|---|---|----------------------|----------------------------|
| 12. NAME Kevin Sorrentino, Principal | 13. ROLE IN THIS CONTRACT Mechanical | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 22 | b. WITH CURRENT FIRM 11 |

15. FIRM NAME AND LOCATION *(City and State)*
L-M Consultants, Oakland, CA

| | |
|--|---|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BSME/1977 - HVAC University of California, Berkeley | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1982/Mechanical Engineering, State of California |
|--|---|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Familiar with naval design requirements on projects such as the Wholesale Repairs to 112 Units Oakland Army Base for the Western Division Naval Facilities Engineer Command, Repair and Alterations to Buildings 487, 488 and 489 Oakland Naval Supply Center for the Navy Public Works Center, Conference/Training Building 533 Oakland Naval Supply Center.

19. RELEVANT PROJECTS

| (1) TITLE AND LOCATION <i>(City and State)</i> | (2) YEAR COMPLETED | |
|---|-----------------------|-------------------------------------|
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| a. Municipal Service Center #5, Oakland, CA (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer | 2010 | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| b. San Francisco International Airport Central Terminal USO Lounge and Boarding Area "D", San Francisco, CA (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE | 2011 | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| c. Jack London Square Amtrack Rail Station, Oakland, CA (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Jack London Square Amtrack Rail Station in Oakland, which involved design and specification of fuel system, vehicle wash facilities, compressed air and lubrication systems. | 2011 | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| d. Project Engineer for various Renovation (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Various renovation projects such as the Oakland City Hall Seismic Retrofit, USPS Renovation Projects, 15 renovation projects for the Navy at Oakland Naval Supply Center, and the War Memorial Opera House Seismic Retrofit in San Francisco. | 2010 | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |
| e. North Concord Martinez BART Station, CA (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer | 2009 | |
| <input checked="" type="checkbox"/> Check if project performed with current firm | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|--|--|----------------------|----------------------------|
| 12. NAME John Northwith, ASLA Owner | 13. ROLE IN THIS CONTRACT Project Landscape Architect | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 25 | b. WITH CURRENT FIRM 20 |

15. FIRM NAME AND LOCATION *(City and State)*
John Northwith, ASLA, Oakland, CA

| | |
|---|---|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> MLA 1977, Harvard University, Landscape Architecture BLA, 1971, Univ of California at Berkeley, Landscape Arch | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1978, California, Landscape Architecture |
|---|---|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
John Northwith has worked with Kellerman on more than 20 projects, including very large public funded and military projects such as child development centers and more than 10 kindergarten, elementary and intermediate schools.
1984 American Society of Landscape Architects national award, received 1986 AIA/NAVFAC Architectural Design

19. RELEVANT PROJECTS

| (1) TITLE AND LOCATION <i>(City and State)</i> | (2) YEAR COMPLETED | |
|--|-----------------------|-------------------------------------|
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| Office Building Conversion/Alteration, Travis AFB, Fairfield, CA | 2010 | |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Re-established the main entry and related surrounding landscape development for the 190,000 sf conversion of a 1940's hospital into a headquarters and computer facility; with Kellerman. | | |
| Chaderjian School, Northern California Youth Authority, Stockton, CA | 2010 | |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Site and landscape development of an 80 acre site within a larger 400 acre complex, with Kellerman | | |
| Santa Rita Replacement Facility, Pleasanton, CA | 2009 | |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Site and landscape development for a 100 acre County of Alameda facility with Kellerman | | |
| Oakland Airport, Terminal No. 1, Oakland, CA | | |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Interior landscape design for terminal expansion and renovation. 60,000g. Other Experience and Qualifications relevant to the proposed project: Mr Northwith 1978, California, Landscape Architecture square foot project with Kellerman | | |
| Street Tree Plan for Oakland, Oakland, CA | 2012 | |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Development of the master street tree plan and implementation strategies for the City of Oakland, CA. Project was recipient of 1984 American Society of Landscape Architects national award. | | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|-------------------------------|---|----------------------|---------------------------|
| 12. NAME Charles Keith | 13. ROLE IN THIS CONTRACT Industrial Hygienist | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 20 | b. WITH CURRENT FIRM 6 |

15. FIRM NAME AND LOCATION *(City and State)*
ACE Environmental Engineers, Oakland, CA

| | |
|---|--|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> MS/1974/Analytical Chemistry BS/1973Chemistry Annual update coursework for registration and certification | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> American Board of Industrial Hygiene, Cert Indust Hygienist EPA/AHERA Asbestos Contractor Supervisor EPA/AHERA Project Designer |
|---|--|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Co-authored "An Evaluation of Statistical Schemes for Air Sampling" published in Chemical Hazards in the Workplace, Management and Control - Co-authored "Air Sampling in the Assessment of Continuous Exposure to Acutely Toxic Chemicals" published in American Industrial Hygiene.

19. RELEVANT PROJECTS

| | | |
|---|--|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> •Areas of Professional Expertise | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Industrial Hygienist (11 years) Asbestos Abatement (8 years) Health & safety mgmt (11 years) Air monitoring (11 years) Remedial installation (9 years) Remedial investigation (9 years) Project management (10 years) Emergency response design (9 years) Site audits (10 years) Regulatory compliance (9 years) Hazardous materials management (10 years) | <input type="checkbox"/> Check if project performed with current firm | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Industrial Hygiene - Asbestos Abatement Projects | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Keith developed the air monitoring program and provided health and safety oversight during a four month asbestos removal project conducted at the United States Mint located in San Francisco, CA. Prior to his association with ACE, Mr. Keith was the Director for Health and Safety at ERM West. His primary responsibilities included management of the industrial hygiene and asbestos training programs and designing air monitoring programs. | <input checked="" type="checkbox"/> Check if project performed with current firm | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Industrial Hygiene Hazardous Materials | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Keith has provided industrial hygiene services for many public and private sector entities including environmental air monitoring for pesticides, PCBs and dust during hazardous waste site remediation activities at the Port of Oakland and environmental air monitoring for heavy metals and dust during construction activities for the San Francisco Public Works Department. | <input checked="" type="checkbox"/> Check if project performed with current firm | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Health and Safety Manager | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Keith spent over 11 years with the US Navy as an industrial hygienist and health and safety manager. Mr. Keith assisted with the development of Navy wide industrial hygiene policies and regulations. He organized, led and supervised industrial hygiene surveys of Navy commands ashore and afloat throughout the US and abroad. From 1996-1998 he developed and managed an effective industrial hygiene program for the Navy Marine Corps. | <input type="checkbox"/> Check if project performed with current firm | |
| (1) TITLE AND LOCATION <i>(City and State)</i> Memberships | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE American Conference of Governmental Industrial Hygienists American Industrial Hygiene Association - Northern California Chapter American Academy of Industrial Hygienists | <input type="checkbox"/> Check if project performed with current firm | |

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|------------------------------|---|----------------------|---------------------------|
| 12. NAME George Byron | 13. ROLE IN THIS CONTRACT Hazardous Materials Consultant | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 12 | b. WITH CURRENT FIRM 2 |

15. FIRM NAME AND LOCATION *(City and State)*
ACE Environmental Engineers, Oakland, CA

| | |
|--|---|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Certificate in Hazardous Materials Management, UC Berkeley Continuing Education coursework in industrial hygiene, leadbased paint management and abatement and other associated studies | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> 1994/California Certified Lead Inspector/Assessor 1986/EPA Project Designer 1987/EPA Building Inspection & Management Planning |
|--|---|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
- Faculty Posts and Presentations: Instructor, UC Berkeley Extension, Programs for Environmental Management
- Serve as Pro bono counsel on asbestos and insulation matters to residential building owners

19. RELEVANT PROJECTS

| | | |
|---|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Areas of Professional Expertise | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Occupational health/safety (10 yrs) Training/educational instruction (7 yrs) Surveys/hazard assessments (7 yrs)
Research/development (5 yrs) Regulatory compliance (7 yrs) Air monitoring (7 yrs) Project management (6 yrs) Contract
negotiations (5 yrs) Labor/management interface (10 yrs) Sampling protocols (7 yrs) Emergency response planning/
management (8 yrs) Management/abatement of lead-based paint (4 yrs) Drafting (10 yrs)

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Utah Street, San Francisco Muni Maintenance Facility San Francisco, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Utah Street, San Francisco Muni Maintenance Facility - hazardous materials remediation project (metal containing dust
and asbestos)

| | | |
|---|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> County of San Francisco General Hospital San Francisco, CA | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
County of San Francisco General Hospital - asbestos abatement project oversight

| | | |
|---|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Insulation and Asbestos Abatement | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
United States Navy, Alameda Naval Air Station, Pacific Gas & Electric (multiple power plants) - Foreman,
Sacramento Community College District

| | | |
|--|-------------------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> San Francisco Department of Public Works | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
lead and asbestos survey, design and management.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

| | | | |
|----------------------------------|--|----------------------|-------------------------------|
| 12. NAME Foster J. Marine | 13. ROLE IN THIS CONTRACT Project Estimator | 14. YEARS EXPERIENCE | |
| | | a. TOTAL 25 | b. WITH CURRENT FIRM 1 |

15. FIRM NAME AND LOCATION *(City and State)*
Marine Engineering Group, San Francisco, CA

| | |
|--|--|
| 16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. Finance, UC Berkeley 1979 Class A & B California Licensed General Contractor #777123 | 17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> A.A.C.E. A.S.P.E., Certified N.S.C.C.C. A.G.C. S.A.V.E. W.I.P.E. |
|--|--|

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr Saylor Project Director of Marine Engineering, has 25 years experience in the construction industry, including all types of military projects. Involved in more than 3,000 construction projects such as office buildings, warehouses, hangars, housing, educational facilities, wastewater plants, manufact. plants, institutional facilities, & numerous commercial & transit projects.

19. RELEVANT PROJECTS

| | | |
|--|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Previously spent 14 years doing the following: | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
With Bechtel Corporation and Lee Saylor, Inc., estimating, budget control, forecasting, and project management.

| | | |
|---|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Developed the LSI Uniform CCost Management System | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Developed an advanced system called the LSI Uniform Cost Management System, which incorporates estimating, scheduling, value engineering, life cycle costing, material selection, and specification research within a balanced management information system

| | | |
|---|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Lectured in estimating and cost control | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Lectured at Leland Stanford University and the University of California in estimating and cost control, as well as other professional organizations. Also the founding author of four yearly manuals, including " Current Construction Costs, " & Residential Construction Costs" compendiums of construction unit cost information with distribution throughout the United States. He is currently the project director for the Division of the State Architect's cost estimating contract for 2012

| | | |
|--|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> Current Project Experience | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
current projects include a flight instruction building, TACTS building, BOQ, and BEQ at LeMoore Naval Air Station

| | | |
|---|-----------------------|-------------------------------------|
| (1) TITLE AND LOCATION <i>(City and State)</i> PROJECT EXPERIENCE: | (2) YEAR COMPLETED | |
| | PROFESSIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
•Enlisted Personnel Housing, Mare Island •New Family Housing, Moffett Field •Bachelor Enlisted Qrters, Bremerton, WA
•Unaccompanied Enlisted Personnel Housing, Port Hueneme •Unaccompanied Enlisted Personnel Housing, Hill AFB, UT
•Cold Storage Warehouse, Pearl Harbor, HI •Navy Regional Data Automation Center, San Diego •Consolidated Subsistence Facility, Corps of Engineers Depot •Warehouse Modernization, Naval Supply Center, Oakland

| | | |
|---|-------------------------------|--|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 1 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Santa Rita Replacement Facility, Pleasanton, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2011 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|--|---|--|
| a. PROJECT OWNER County of Alameda, Oakland, CA | b. POINT OF CONTACT NAME Steven Krandall | c. POINT OF CONTACT TELEPHONE NUMBER (510) 551-0987 |
|--|---|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kellerman was the prime architect for this award-winning, 800,000 sf self sufficient county jail facility. Included in the project were housing units, a support services complex, and central core complex that provide the following:

- full maintenance facilities for all site related functions, including vehicular and equipment servicing facilities
- woodworking, metalworking and electronics shops
- boiler plant and central warehouse
- full kitchen and laundry facilities for campus and county wide services
- housing for 3,2,00 maximum to minimum security inmates
- state of the art security management systems
- 30,000 sf of administrative offices
- fire station
- medical clinic and infirmary
- recreational facilities including a gymnasium; and
- utility rooms

The overall project contains 17 buildings -- primarily of concrete construction (the project recently received an award from the American Concrete Institute for its varied and creative use of concrete). All housing modules, the Central Core Building, and most of the Support Service Building are air conditioned. The project was designed entirely on Kellerman's CAD system and construction documents assembled for seven "fast track" construction bid packages.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|-----------------------------|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE prime architect |
| b. | (1) FIRM NAME John Northwith | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Oakland, CA |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

| | | |
|---|-------------------------------|--|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 2 |
| 21. TITLE AND LOCATION <i>(City and State)</i> N.A. Chaderjian School, Stockton, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|--------------------------------------|---|--|
| a. PROJECT OWNER CA Dept of Youth | b. POINT OF CONTACT NAME Roy Levin Facilities Planning | c. POINT OF CONTACT TELEPHONE NUMBER (916) 555-1111 |
|--------------------------------------|---|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This 800 capacity, 350,000 square foot juvenile detention complex is the first to be built in California since the 1960s. New construction included on-site housing units (150,000 sf), administration (23,000 sf), security post, classrooms, vocational training facilities, library, gymnasium, chapel, and extensive site work, including staff and visitor parking, athletic fields and service yard.

In addition to the new facilities, Kellerman completed renovations to adjacent central facilities which support the entire Northern California Youth Authority Complex. This included expansion/renovation of the hospital, administration building, warehouse, kitchen, gatehouse, vehicle maintenance shops, and pump stations. Construction was carefully phased so as not to disrupt ongoing operations.

Design and construction documents for the project were produced entirely on CADD.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|---------------------------------|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE prime architect |
| b. | (1) FIRM NAME John Northwith | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Landscape Architect |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

| | | |
|---|-------------------------------|--|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 3 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Coast Guard Loading Facility Multi-Purpose/Recreational Building Long Beach, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|--|---|--|
| a. PROJECT OWNER US Coast Guard Facilities Design | b. POINT OF CONTACT NAME Reggie Prishter | c. POINT OF CONTACT TELEPHONE NUMBER (516) 783-2232 |
|--|---|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kellerman provided architectural and project coordination services as a consultant to a structural engineering firm to design a Ship Support Building which houses recreational and multi-purpose spaces. Included in the 3,600 square foot building are a card room, television room, vending room, electronics shop and a "storage and seabags" room. Kellerman also designed a Maintenance Augmentation Team Building containing offices, a library/reading room, lockers, and toilet/shower facilities with separate industrial shops as a part of the project.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|-----------|---|--|-----------------------------|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Prime Architect |
| b. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

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|---|-------------------------------|-------------------------------------|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 4 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Chevron Corporate Aircraft Hangar, Oakland, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|--|--|--|
| a. PROJECT OWNER Chevron Real Estate Management Co. | b. POINT OF CONTACT NAME Bob Testor, Proj Mgr | c. POINT OF CONTACT TELEPHONE NUMBER (415) 555-6754 |
|--|--|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kellerman is providing complete architectural services for a corporate client's new 40,000 square foot maintenance hangar at the Metropolitan Oakland International Airport. This state of the art aircraft service facility includes a 200 foot by 200 foot Group 1 type hangar that houses up to five corporate jets.

In addition to the hangar, Kellerman is designing a 10,000 square foot office and shop building with administrative office space and a fully equipped maintenance department.

The design of the hangar demonstrates a cost conscious approach to meeting rigorous spatial needs. Materials were selected for economy and long term durability. The efficient structural system spans large spaces and offers the greatest degree of design flexibility.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|-----------------------------|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Prime Architect |
| b. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

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| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 5 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Alaska Airlines Hanger Alteration, Oakland International Airport Oakland, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2008 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|-------------------------------------|--------------------------|--------------------------------------|
| a. PROJECT OWNER | b. POINT OF CONTACT NAME | c. POINT OF CONTACT TELEPHONE NUMBER |
| Alaska Airlines/Turner Construction | Jon Ventura, Proj Mgr | (206) 555 8402 |

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This project involved the renovation and upgrading of a 35 year old hangar to meet current aircraft maintenance requirements and standards. The facility houses administrative offices, parts and equipment maintenance shops, a warehouse, and a hangar that can accommodate three (3) MO-80 jet aircraft.

Careful phasing of the construction work allowed ongoing operations of the facility. Through early negotiations with regulatory officials, Kellerman was able to reach design solutions quickly that achieved code compliance and could be completed within the original budget and schedule.

Value \$2,250,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|---------------------------------|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE prime architect |
| b. | (1) FIRM NAME John Northwith | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Landscape Architect |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

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|---|--------------------------------------|--|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 6 |
| 21. TITLE AND LOCATION <i>(City and State)</i> AC Transit Transportation and Maintenance Facility Oakland, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2007 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|---|---|--|
| a. PROJECT OWNER Alameda-Contra Costa Transit District | b. POINT OF CONTACT NAME Jack A, Slausen | c. POINT OF CONTACT TELEPHONE NUMBER (707) 555-9462 |
|---|---|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This new complex replaces an outmoded facility on the same site and encompasses 100,000 sf of construction on 12 acres. Included are an Administration Building, Maintenance Building, bus washing facilities and extensive site work.

The Maintenance Building, a steel framed structure, consists of 55,000 square feet of service area and an additional 18,000 sf housing lunch room, lounge, locker/shower facilities, special repair shops and administrative space. The 18,000 sf Administration Building includes administrative offices, dispatch room, shower/locker facilities and driver's recreation room.

Site work involved resurfacing the entire site with a completely new drainage system including oil/water separators, underground fuel storage, a 10 foot high sound wall and parking for 250 buses.

In order to maintain continuous operations, the Maintenance Building was designed to be built in two phases. Upon completion of Phase I, the existing building was demolished and construction on Phase II began.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|---|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Prime Architect |
| b. | (1) FIRM NAME Firestone Engineers | (2) FIRM LOCATION <i>(City and State)</i> San Francisco, CA | (3) ROLE Electrical Engineering - Civil Engineering Equipment Engineering |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

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|---|-------------------------------|--|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 7 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Navy Vehicle Maintenance and Administration Building Oakland, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|---------------------------------|---|--|
| a. PROJECT OWNER NAVFAC West | b. POINT OF CONTACT NAME George Austin | c. POINT OF CONTACT TELEPHONE NUMBER (415) 555-0088 |
|---------------------------------|---|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This project is a 90,000 sf Transportation Maintenance Facility which also includes a separate 16,000 sf office building. The maintenance facility houses heavy duty material handling equipment and automotive, light truck work bays; welding, tire repair, and related storage; cranes; wash and steam; body shops and paint booths; small machine shops; battery charging room; lunch/locker/training rooms; and parts and tools storage.

The Administration Building houses offices, conference rooms, dispatch/communication offices, and a central computer system networking all workstations. The project involved demolition of a major warehouse and asbestos containing buildings, and was designed entirely on CADD.

Value \$11,400,00

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|------------------------------------|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Prime Architect |
| b. | (1) FIRM NAME L-M Consultants | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Mechanical Engineers |
| c. | (1) FIRM NAME Dante Desing Inc | (2) FIRM LOCATION <i>(City and State)</i> San Francisco, CA | (3) ROLE Structural Engineering |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

| | | |
|---|-------------------------------|--|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 8 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Consolidated Material Processing Facility Davis-Monthan AFB, Tucson, AZ | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2009 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|---|---|--|
| a. PROJECT OWNER Corps of Engineers, Sacramento District | b. POINT OF CONTACT NAME J. A. Masters | c. POINT OF CONTACT TELEPHONE NUMBER (916) 555-7332 |
|---|---|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This 43,000 sf facility includes a 13,000 sf administration building, a 30,000 sf warehouse and 50 surface parking spaces for use by the US Air Force Aerospace Maintenance and Regeneration Center (AMARC). The facility is used to process and maintain aircraft and components in extended storage for all branches of the armed forces and supports both the reclamation of parts and the preparation of aircraft for return to service. The warehouse has a 27 foot clear height inside and a 30 foot wide loading dock with levellers and electrically operated overhead coiling doors. The administrative area contains a computer room with an access floor, training and break room with extensive audio-visual capabilities and an acoustically rated operable wall, conference rooms and open office workstations around the perimeter.

Value \$5,900,00

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|---|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Prime Architect |
| b. | (1) FIRM NAME Firestone Engineers | (2) FIRM LOCATION <i>(City and State)</i> San Francisco, CA | (3) ROLE Electrical Engineering - Civil Engineering Equipment Engineering |
| c. | (1) FIRM NAME Marine Engineering Group | (2) FIRM LOCATION <i>(City and State)</i> San Francisco, CA | (3) ROLE Cost Estimating |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

| | | |
|---|--------------------------------------|--|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 9 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Mosquito Abatement District Facility Fairfield, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2010 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|--|---|---|
| a. PROJECT OWNER Solano County Mosquito Abatement Dist | b. POINT OF CONTACT NAME Dennis Busby | c. POINT OF CONTACT TELEPHONE NUMBER (707) 555-0088 |
|--|---|---|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The complex consists of a 10,000 square foot Administration/Laboratory building, an 8,000 square foot Shop/Service building, a 1,000 square foot Pesticide Storage building, a 230 square foot general storage building and a 1,300 square foot carport on a 10 acre site. The 2nd phase will include an 8,000 square foot fisheries building.

The primary function of the facility is for the experimentation and implementation of the latest procedures in mosquito population control. It is envisioned that in the future, bee population control will also be explored at the complex.

The insect laboratory, housed in the Administration/Laboratory building, features a controlled environment for the growth of larvae. Once the mosquitoes are hatched, they are transferred to the main laboratory room for chemical experimentation. The results of these experiments are disseminated to the public and are field tested and verified by the staff.

The facility also houses a Board Room which will serve as a multi-purpose room for community activities.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|-----------|--|---|--|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE prime architect |
| b. | (1) FIRM NAME John Northwith | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE Landscape Architect |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

| | | |
|---|--------------------------------------|---|
| F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i> | | 20. EXAMPLE PROJECT KEY NUMBER 10 |
| 21. TITLE AND LOCATION <i>(City and State)</i> Yolo County Maintenance/Administration Facility Woodland, CA | 22. YEAR COMPLETED | |
| | PROFESSIONAL SERVICES 2008 | CONSTRUCTION <i>(If applicable)</i> |

23. PROJECT OWNER'S INFORMATION

| | | |
|---|---|--|
| a. PROJECT OWNER Yolo County Transit Authority | b. POINT OF CONTACT NAME Tony Beagle | c. POINT OF CONTACT TELEPHONE NUMBER (916) 555-8484 |
|---|---|--|

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Kellerman is architectural consultant for the design of a bus maintenance and operations facility for the Yolo County Transit Authority (YCTA). Our work includes remodel of a 10,500 sf prefabricated metal building being converted to use as a maintenance facility for compressed natural gas buses and an addition to and remodeling of a 3,100 sf woodframe building for use as administrative headquarters for the Transit Authority. Total site area is seven acres & total project area 15,100 sf.

The project is being constructed in two phases. Phase I consists of remodeling 2,300 sf of the office building. Phase II consists of completing the remodel and adding a 1,500 sf addition for ATE/Ryder, the bus operations and maintenance entity who leases the space from YCTA. Also included in Phase II is the remodel of a 900 sf existing structure inside the metal building plus seismic and life safety upgrades including new sprinkler and CNG venting systems.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

| | | | |
|----|---|--|-----------------------------|
| a. | (1) FIRM NAME Kellerman Architects and Engineers | (2) FIRM LOCATION <i>(City and State)</i> Oakland, CA | (3) ROLE prime architect |
| b. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| c. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| d. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| e. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |
| f. | (1) FIRM NAME | (2) FIRM LOCATION <i>(City and State)</i> | (3) ROLE |

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

| 26. NAMES OF KEY PERSONNEL (From Section E, Block 12) | 27. ROLE IN THIS CONTRACT (From Section E, Block 13) | 28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.) | | | | | | | | | |
|--|---|--|---|---|---|---|---|---|---|---|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Leon Carvier | Principal-In-Charge | X | X | X | | | X | X | X | | X |
| Oliver Martin | Project Manger | | | | | | X | | | X | |
| Henry Hayden | Specification Writer | X | X | | X | X | X | X | X | X | |
| Grant Lehigh | Senior Electrical Engineer | | | | | | X | | X | | |
| Tony Capriotti | Equipment Engineer | | | | | | | | | | |
| George Freiheit | Project Manager - Facilities Engineer | | | | | | | | X | | |
| Jim Weston, P.E. | Project-Civil Engineer | | | | | | | | | | |
| George Dante | Principal Structural Engineer | | | | | | | X | | | |
| Kevin B. Wright | Project Structural Engineer | | | | | | | | | | |
| George Neilson, Principal | Plumbing and Fire Protection | | | | | | | X | | | |
| Kevin Sorrentino, Principal | Mechanical Engineer | | | | | | | X | | | |
| John Northwith, ASLA Owner | Project Landscape Architect | X | X | | | X | | | | X | |
| Charles Keith | Industrial Hygienist | | | | | | | | | | |
| George Byron | Hazardous Materials Consultant | | | | | | | | | | |
| Foster J. Marine | Project Estimator | | | | | | | | X | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

29. EXAMPLE PROJECTS KEY

| NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) | NO. | TITLE OF EXAMPLE PROJECT (FROM SECTION F) |
|-----|---|-----|--|
| 1 | Santa Rita Replacement Facility | 6 | AC Transit Transportation and Maintenance Facility |
| 2 | N.A. Chaderjian School | 7 | Navy Vehicle Maintenance and Administration Building |
| 3 | Coast Guard Loading Facility | 8 | Consolidated Material Processing Facility |
| 4 | Chevron Corporate Hanger | 9 | Mosquito Abatement District Facility |
| 5 | Alaska Airline Hanger Alterations | 10 | Yolo County Maintenance/Administration Facility |

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

QUALITY CONTROL PLAN

PART I PURPOSE OF DESIGN QUALITY CONTROL PLAN

1. Goals

•A. The purpose of the A-E Design Quality Control Plan (DQCP) is to verify that the Contract Documents accurately describe the project design. Individual discipline checklists and field investigation checklists shall be reviewed by a Quality Control Principal and validated prior to submittal to the Government. The intent is to:

- 1. Confirm the correct scope is used in each phase of the contract documents.
- 2. Review the Drawings and Specifications to minimize ambiguities in design intent. Verify that materials, dimensions and other information conveying design intent are clearly, concisely and accurately documented with the Drawings and Specifications.
- 3. Coordinate the work between all disciplines of the A-E Team to minimize conflicts between their work.
- 4. Verify that Details and Specifications follow standard industry recommendations and practices.
- 5. Discourage the use of "exotic" or complicated construction assemblies.
- 6. Cross-check work for coordination, completeness and accuracy between the various disciplines and between the plans and specifications.

PART II METHODOLOGY

1. Architectural Design Quality Control Plan

•A. A Licensed Professional Architect is assigned as the Project Architect during the entire length of the project's contract, providing the continuity to make sure the Government's Design Program is implemented. His responsibilities shall include:

- 1. Scheduling and Chairing Project Staff Meetings; keeping the "Current Status" contract updated; developing and implementing "Work Plans: for coordination with the project staff's work; and delegating responsibilities to the project staff.
- 2. Acting as the "Hub"; directive information is relayed to the project staff who research, formulate and funnel back the information to the project architect for review and coordination with consultants.
- 3. Perform a general check on Cost Estimate scope, quantities and unit costs of materials.

•B. Office Production Manual guidelines are implemented to insure the document formats are consistent.

•C. Work scheduling shall be implemented after the client's scope of work is established.

- 1. Qualified staff shall be assigned to the project.
- 2. Proper sequence of work development shall be established.
- 3. Proper time allocation to each part of work shall be established to allow for proper design and coordination.

D. An experienced licensed architect with an extensive background in construction documents preparation and construction administration and who is not involved in the project, shall do the quality control review at least twice. This reviewer will have a clearer vision to spot ambiguities, incorrect and incomplete work, not being directly involved in the project's daily work. He will prepare a checklist covering all items which require correction and distribute to the Project Manager. The Project Manager will return the list to the Quality Control Architect with each item annotated either "accomplished" or with other explanation.

2. Structural Design Quality Control Program

A. The Principal in Charge will review design concepts, plans and details periodically during the design process. The following will be reviewed:

- 1. Do plans and details meet program requirements?
- 2. Are details economical?
- 3. Are details constructable?
- 4. Is design compatible with architectural layout?
- 5. Is the scope of work covered?

•B. The Quality Control reviewed (a Structural Engineer within the firm not directly involved with the project) will check the following:

- 1. Do plans and specifications agree?
- 2. Are plans and details correctly and adequately cross-referenced?

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

33. NAME AND TITLE

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Continued:

- 3. Are sizes and quantities (beams, rebar # and sizes, etc.) which are specified in the calculations reflected in the plans and specifications?
- 4. Check accuracy of calculations.
- 5. Check plans for dimensioning, notes and legends, drawing appearance lettering, conformance with drawing standards).
- 6. Review openings in structural walls for ducts, pipes, cable trays, door and window openings.
- 7. Review openings in floors and roof for duct and elevator shafts, pipes, ducts, etc.
- 8. Review loading on structure from new or moved mechanical equipment, heavy piping, etc.
- 9. Advise the appropriate disciplines when conflicts are discovered and to work out a mutually agreeable solution.

3. Mechanical/Electrical/Plumbing Design Quality Control Plan

- A. The purpose of the M/E/P Design quality control plan is to verify that the contract documents produced by the M/E/P design team accurately describes the project design.

- B. Each of the design disciplines will be given, periodically, a set of M/E/P drawing prints for review and coordination purposes. A set of M/E/P specification sections will be reviewed by the project coordinator for compliance with the COE guide, and that all the sections have been included. Thereafter, the specification set will be routed to each design discipline for review for their contents and response/compliance to the project coordinator comments.

- C. The Project Coordinator shall collect the drawings and specifications, check sets and 60% and 100% checklists, and verify that all the items listed for quality control have been performed and complied with.

4. Civil Design Quality Control Plan

- A. The Architect will provide overall project cross check between various discipline's plans.

- B. The Civil Design Engineer will coordinate his work and cross check plans and specifications with the Landscape Architect and Structural Engineer. Preliminary plans will be sent to the Architect and Structural Engineer for their review three (3) weeks prior to 100% submittal to insure documents are to the completeness and accuracy of government standards. The project manager will review all in-house comments to insure they have been addressed prior to signing the plans.
- C. Field investigations will be performed to examine existing conditions. Photographs will be taken for reference.

5. Landscape Design Quality Control Plan

- A. The site work will be coordinated with the Architect who provides overall design direction and coordination.
- B. The Landscape Architect will work closely with the project Civil Engineers to describe the planter walls, stairs, paving and drainage systems. In addition to ongoing coordination, their work will be closely reviewed prior to the 60% and 100% review sets to be submitted to the architect.

I. AUTHORIZED REPRESENTATIVE

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31. SIGNATURE

32. DATE

33. NAME AND TITLE

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

| | | | | |
|--|-----------------|--|--|-----------------|
| 2a. FIRM (OR BRANCH OFFICE) NAME Kellerman Architects and Engineers | | | 3. YEAR ESTABLISHED 1982 | 4. DUNS NUMBER |
| 2b. STREET 618 21st Street, Suite 222 | | | 5. OWNERSHIP | |
| 2c. CITY Oakland | 2d. STATE CA | 2e. ZIP CODE 94612 | a. TYPE LLC | |
| 6a. POINT OF CONTACT NAME AND TITLE Leon Carvier, AIA, President | | | b. SMALL BUSINESS STATUS Small Business | |
| 6b. TELEPHONE NUMBER (510) 999-1234 | | 6c. E-MAIL ADDRESS lcarvier@kellerman.com | | |
| 8a. FORMER FIRM NAME(S) <i>(If any)</i> | | | 8b. YR. ESTABLISHED | 8c. DUNS NUMBER |

| 9. EMPLOYEES BY DISCIPLINE | | | | 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS | | |
|----------------------------|--------------------------------|---------------------|------------|---|---------------|---|
| a. Function Code | b. Discipline | c. No. of Employees | | a. Profile Code | b. Experience | c. Revenue Index Number <i>(see below)</i> |
| | | (1) FIRM | (2) BRANCH | | | |
| 01 | Administrative | 2 | 8 | | | |
| 06 | Architects | 3 | | | | |
| 12 | Civil Engineers | | 2 | | | |
| 15 | Construction Inspectors | 1 | | | | |
| 08 | Draftsmen | 2 | 4 | | | |
| 21 | Electrical Engineers | | 3 | | | |
| 18 | Estimators | | 2 | | | |
| 37 | Interior Designers | 2 | | | | |
| 39 | Landscape Architects | | 2 | | | |
| 42 | Mechanical Engineers | | 3 | | | |
| 57 | Structural Engineers | 1 | 2 | | | |
| 38 | Surveyors | | 3 | | | |
| 60 | Transportation Engineers | | 1 | | | |
| 08 | CADD Expert | 1 | | | | |
| 08 | CADD Operator | 3 | 5 | | | |
| 40 | Equipment Engineer | | 8 | | | |
| 36 | Industrial Hygienist | | 2 | | | |
| | c* employees from teams' firms | | | | | |
| | | | | | | |
| | | | | | | |
| | Other Employees | | 1 | | | |
| Total | | 15 | 46 | | | |

| | | | | | |
|---|----------|--|---|--|---|
| 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i> | | PROFESSIONAL SERVICES REVENUE INDEX NUMBER | | | |
| a. Federal Work | 4 | 1. Less than \$100,000 | 6. \$2 million to less than \$5 million | 7. \$5 million to less than \$10 million | 8. \$10 million to less than \$25 million |
| b. Non-Federal Work | 5 | 2. \$100,00 to less than \$250,000 | 9. \$25 million to less than \$50 million | 10. \$50 million or greater | |
| c. Total Work | 6 | 3. \$250,000 to less than \$500,000 | | | |
| | | 4. \$500,000 to less than \$1 million | | | |
| | | 5. \$1 million to less than \$2 million | | | |

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

| | |
|-------------------|---------|
| a. SIGNATURE | b. DATE |
| c. NAME AND TITLE | |