

**Structural Engineering Design Services**

Scope Description: The Jet Propulsion Laboratory (JPL) is reviewing options to find **Small Businesses and/or Small Business Joint Ventures or Teams led by a Small Business** that can provide professional services in the discipline of structural engineering design.

The Subcontractor shall have the capability to provide support for JPL projects in various development phases in the below areas:

* Structural Engineering
* Building code analysis
* Construction Cost Estimating
* Scheduling
* Value engineering
* Construction Administration
* Sustainable design

JPL is a Federally Funded Research and Development Center (FFRDC) managed by Caltech University in support of the National Aeronautics and Space Administration (NASA).

NAICS Code: **541330 – Engineering Services**

SBA Size Standard: **$25.5 Million**

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| **Company Information** |
| **Company Name** |  |
| **Address** |  |
| **Point of Contact** |  |
| **Email** |  |
| **CAGE/UEI** |  |
| **Socioeconomic Classifications (Check all that apply)** | [ ]  SB [ ]  SDB [ ]  WOSB [ ]  VOSB  | [ ]  SBA Certified SDVOSB [ ]  SBA Certified HUBZone [ ]  HBCU/MSI  |

In the chart below, type an “X” for the how your company identifies against the applicable NAICS Code.

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|  | **Certifications** | **Yes** | **No** |
| 1. | Are you a small business under the 541330 NAICS Code Size Standard? |  |  |

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| **Professional Qualifications and Experience** |
| Professional qualifications of key personnel necessary for satisfactory performance of required services. Please include but not limit to addressing total number of employees with corresponding labor category. Key areas of expertise include:* Structural Engineering
* Construction Cost Estimating
* Construction Administration

Evaluation will consider key personnel of the firm and consultants to be used in this contract:* Professional CA registration
* Education, training, relevant experience
* Years with the company
* Awards, professional activities, and longevity with the firm
* Other relevant certifications
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| **Provide Answer to Above Question in this box** |

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| **Specialized Experience and Technical Competence** |
| Work will include structural analysis, design, peer review, and evaluation of new construction and remodeling of existing building. Projects may include all phases of the project development and include, but not limited to, the following: * Design and analyze structural components and systems for buildings, bridges, and other structures.
* Conduct structural inspections and assessments to ensure structural integrity and compliance with codes.
* Risk assessments and propose solutions to mitigate potential structural failures.
* Seismic retrofit and rehabilitation.
* Structural modeling and analysis.
* Equipment and component anchorage.
* Cost estimating.
* Construction administration, including review of Request for Information (RFI), submittals, shop drawings, inspection reports, and change order requests.
* Technical reports and documentation.
* Prepare specifications using the CSI MasterFormat system.
* Demonstrate strength in sustainable design.
* Autodesk Revit for Building Information Modeling (BIM).
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| **Provide Answer to Above Question in this box** |

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| **Capacity**  |
| Demonstrate how the firm will manage, coordinate and administer multiple task orders simultaneously. JPL will consider available capacity of key personnel to perform work in the required time. |
| **Provide Answer to Above Question in this box** |

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| **Past Performance** |
| Past performance on cost control, quality of work, responsiveness to issues and changes, and compliance with performance schedules (capacity to accomplish the work in the required time), will be evaluated with emphasis on RECENT AND RELEVANT projects. Projects constitute as recent and relevant are those that have been successfully completed in the past five (5) years.The quality assessment may result in positive or adverse findings. For adverse information identified, the evaluation will consider the number and severity of the problem(s), mitigating circumstances, and the effectiveness of correction actions that have resulted in sustained improvements.* Past and current customer satisfaction, e.g., overall customer satisfaction, rapport with customer, information sharing, reporting procedures and technology used, meeting design, cost, and schedule goals;
* Performance records, e.g., quality of work as measured over a number of projects completed within/or under budget and within/under schedule:
	+ Relationship and history of work with proposed consultants,
	+ Quality, cost, and schedule and control procedures and technology used.
	+ Any Contractor client reference or letter of appreciation will also be accepted.

Please give us 5 recent examples of medium to large projects that are to the procurement scope in the format below. Feel free to use Microsoft Word, PowerPoint, or PDF format, as separate attachments. |

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| **Past Performance # 1** |
| **Contract Name:**  |
| **Issuing Agency:**  | **Contract #:** |  |
| **Contract $ Value:** | **Period of Perf:** |  |
| **Tier 1 (Prime) /Tier 2/ Tier 3?:** |
| **Point of Contact Name:** | **Point of Contact Phone Number:** |
| **Point of Contact Email:**  |
| **Summarized Scope of Work – Provide Technical Details Here** |
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| **Past Performance # 2** |
| **Contract Name:**  |
| **Issuing Agency:**  | **Contract #:** |  |
| **Contract $ Value:** | **Period of Perf:** |  |
| **Tier 1 (Prime) /Tier 2/ Tier 3?:** |
| **Point of Contact Name:** | **Point of Contact Phone Number:** |
| **Point of Contact Email:**  |
| **Summarized Scope of Work – Provide Technical Details Here** |
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| **Past Performance # 3** |
| **Contract Name:**  |
| **Issuing Agency:**  | **Contract #:** |  |
| **Contract $ Value:** | **Period of Perf:** |  |
| **Tier 1 (Prime) /Tier 2/ Tier 3?:** |
| **Point of Contact Name:** | **Point of Contact Phone Number:** |
| **Point of Contact Email:**  |
| **Summarized Scope of Work – Provide Technical Details Here** |
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| **Past Performance # 4** |
| **Contract Name:**  |
| **Issuing Agency:**  | **Contract #:** |  |
| **Contract $ Value:** | **Period of Perf:** |  |
| **Tier 1 (Prime) /Tier 2/ Tier 3?:** |
| **Point of Contact Name:** | **Point of Contact Phone Number:** |
| **Point of Contact Email:**  |
| **Summarized Scope of Work – Provide Technical Details Here** |
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| **Past Performance # 5** |
| **Contract Name:**  |
| **Issuing Agency:**  | **Contract #:** |  |
| **Contract $ Value:** | **Period of Perf:** |  |
| **Tier 1 (Prime) /Tier 2/ Tier 3?:** |
| **Point of Contact Name:** | **Point of Contact Phone Number:** |
| **Point of Contact Email:**  |
| **Summarized Scope of Work – Provide Technical Details Here** |
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| **Location:** |
| **Does your company currently have facility in Southern California?** **If yes, please specify the city (if multiple, please specify all locations.**(The current physical address for the company main office will be considered for this criterion. Firms will receive a rating based on their location proximity to JPL (4800 Oak Grove Drive, Pasadena, CA 91109). Firms located at incrementally farther distances will be evaluated less favorably than firms located within closer ranges) |
| **Provide Answer to Above Question in this box** |

Please include **“Structural Engineering Design Services”** in the subject line of your email to smallbusiness.programsoffice@jpl.nasa.gov. The Small Business Programs Office may contact you to ask questions or request further information.

**DISCLAIMER: There is no commitment or guarantee on the part of JPL to move forward with a Request for Information (RFI) or Request for Proposal (RFP) at this time.**