



**OKLAHOMA DEPARTMENT OF TRANSPORTATION**

**Project Management Division**

**200 N.E. 21<sup>st</sup> Street**

**Oklahoma City, OK 73105-3204**

**Division Phone: (405) 522-7601**

**Division FAX: (405) 522-7612**

**DATE: December 30, 2010**

**TO: Consulting Engineering Companies**

**FROM: Ray Sanders, Project Management Division**

**SUBJECT: Solicitation of Interest**

At this time, the Department is soliciting the services of consulting engineering companies to provide Project Reconnaissance Data Collection, Construction Management Services, Bridge Paint Inspection, Aerial Survey Mapping, On-System Truss & Fracture Critical Bridge Inspections, Fiber Optic Installation and State Bridge Rehabilitation for projects identified by the ODOT within limits of the State of Oklahoma. These services require qualifications, expertise, experience and/or equipment that are of a highly specialized nature.

**Contact Person: David Streb (405) 521-6916**

<b>RESPONSE PACKET 1</b>		
<b>Services Description: Project Reconnaissance Data Collection</b>		
<b>Contract No.</b>	<b>1338</b>	The successful Consulting Firms will be responsible for providing preliminary project data to assist the Department in accelerating pre-construction activities for projects in the 8 Year Construction Work Plan. It is anticipated each of the successful firms will be assigned to one of the eight ODOT Field Divisions.  The required information will be in accordance with the data collection items listed below and as requested by the Department.
<b>Expected Contracts</b>	<b>8</b>	
<b>ODOT Division</b>	<b>Multiple</b>	
<b>County</b>	<b>Statewide</b>	
<b>DBE Goal</b>	<b>6%</b>	
<b>Job Piece No.</b>	<b>Task Order</b>	

*Project Reconnaissance Data Collection List*

1. Aerials/Maps
  - a. County/City Maps
  - b. USGS Map
  - c. Aerials/Satellite Imagery
2. Cultural Resources
  - a. Historic Properties/Structures
  - b. Archeological Sites
  - c. Cemeteries
3. Hazardous Waste/Lust Sites
4. Natural Resources
  - a. Scenic and Protected Aquifers
  - b. Streams (USGS)
  - c. Watersheds (HUCs)
  - d. County Soil Surveys (NRCS)
  - e. Land use and land cover/untilled landscapes (USGS/The Nature Conservancy)
  - f. Endangered Species and their designated critical habitat (Nature Serve, ODWS, USFWS)
5. Section 4(f) - resources, parks, recreational areas, wildlife refuges
6. As Built Plans, Title, Typicals, P&P's and General Plan & Elevations
7. Property owners (Names, Addresses & Phone Numbers)
  - a. Property ownerships
  - b. Tribal ownerships
  - c. Billboard ownerships
  - d. County Assessors list
  - e. Potential business and residential relocations
  - f. Replacement housing availability
  - g. Replacement business locations
8. Bridge Info
  - a. S I & A (Structure Inventory & Appraisal) form
  - b. Total Drainage Area
  - c. Drainage Area Controlled by NRCS Structures
  - d. Effective Drainage Areas
  - e. FEMA Firmette
9. Traffic Data
  - a. Truck Traffic
  - b. Design Hour Volume (DHV)
  - c. Design Traffic Data (30 Year) Design Volume
10. Accident Data
11. Pavement Condition
12. Functional Classification
13. NHS
14. STRAHNET
15. Railroad Impacts
  - a. Crossings
  - b. Line Characteristics
  - c. Train Schedule
16. Information for 4-Lane/5-Lane Justification Policy
17. Information for the Parallel Lane Policy
18. Current Zoning & Code Issues
19. Utility identifications; owner names, addresses & phone numbers. (Permit Search)

- 20. Potential for Asbestos abatement needs
- 21. Metropolitan Planning Organizations
  - a. ACOG (Association of Central Oklahoma Governments)
  - b. INCOG (Indian Nation Council of Governments)
  - c. LMAPC (Lawton Metropolitan Area Planning Commission)
  - d. Sub-state Planning District
  - e. Ft Smith
- 22. Airports
- 23. Military Facilities
- 24. Oklahoma Turnpike Authority
- 25. Existing Information on the Project Initiation Report to be filled out.

Contact Person: **Casey Shell (405)521-4675**

<b>RESPONSE PACKET 2</b>		
<b>Services Description: Construction Management Services</b>		
<b>Contract No.</b>	<b>1339</b>	<p>The successful firms will perform a level of service which may include construction survey, construction inspection, construction management, construction materials acceptance testing, and project audit and clerical services. These services may be requested individually or packaged to provide a complete Resident Engineer's Office. The consultant will provide all necessary equipment, vehicles, office space, engineering, managerial, clerical and sampling/testing personnel as required to adequately staff a residency office. The selected consultant engineering firms will provide technically competent and appropriately qualified personnel to perform these services. Key consultant personnel shall have prior construction experience in their assigned areas of responsibility.</p> <p>The selected consultant firm will be required to manage assigned construction contracts in accordance with the plans, specifications, standards, construction control directives and associated manuals. Duties of the consultants will include, but not be limited to, the following items:</p> <ul style="list-style-type: none"> <li>• Hold all meetings and conferences. Develop and circulate copies of minutes for each meeting.</li> <li>• Review the contractors' work progress and make recommendations to ODOT as required for contract compliance.</li> <li>• Monitor and document daily construction progress (on-site inspection).</li> <li>• Maintain construction files to ODOT standards.</li> <li>• Initiate and approve progressive estimate payments to the contractor.</li> <li>• Perform material sampling/testing as required for contract</li> </ul>
<b>Expected Contracts</b>	<b>7</b>	
<b>ODOT Division</b>	<b>Multiple</b>	
<b>County</b>	<b>Statewide</b>	
<b>DBE Goal</b>	<b>5%</b>	
<b>Construction Project Job Piece No.</b>	<b>Task Order</b>	

		<p>compliance.</p> <ul style="list-style-type: none"><li>• Conduct construction surveys.</li><li>• Verify the correct placement of relocated utilities.</li><li>• Review and evaluate contractors' modification requests and make recommendations to ODOT.</li><li>• Monitor construction for compliance with specifications and regulations.</li></ul> <p>It is the intent that the selected consultant firm will limit the involvement of ODOT to the absolute minimum during the construction phase. All management and inspection services conducted by the consultant firm will be used to verify compliance with the plans and specifications and will be performed in accordance with ODOT and Federal Highway Administration policies and procedures as required in the construction documents. The selected consultant firm will be required to obtain a license and utilize Site Manager.</p>
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Contact Person: **Casey Shell (405)521-4675**

<b>RESPONSE PACKET 3</b>		
<b>Services Description: Bridge Paint Inspection</b>		
<b>Contract No.</b>	<b>1343</b>	<p>The successful Consulting Firms will perform a level of service which may include construction survey, construction inspection, construction management, construction materials acceptance testing, and project audit and clerical services. These services may be requested individually or packaged to provide a complete Resident Engineer's Office. The consultant will provide all necessary equipment, vehicles, office space, engineering, managerial, clerical and sampling/testing personnel as required to adequately staff a residency office. The selected consultant engineering firms will provide technically competent and appropriately qualified personnel to perform these services. Key consultant personnel shall have prior construction experience in their assigned areas of responsibility.</p> <p>Paint Inspectors must be qualified in accordance with NACE CIP Level 1 or approved equal.</p> <p>The selected consultant firm will be required to manage assigned construction contracts in accordance with the plans, specifications, standards, construction control directives and associated manuals. Duties of the consultants will include, but not be limited to, the following items:</p> <ul style="list-style-type: none"> <li>• Hold all meetings and conferences. Develop and circulate copies of minutes for each meeting.</li> <li>• Review the contractors' work progress and make recommendations to ODOT as required for contract compliance.</li> <li>• Monitor and document daily construction progress (on-site inspection).</li> <li>• Maintain construction files to ODOT standards.</li> <li>• Initiate and approve progressive estimate payments to the contractor.</li> <li>• Perform material sampling/testing as required for contract compliance.</li> <li>• Conduct construction surveys.</li> <li>• Verify the correct placement of relocated utilities.</li> <li>• Review and evaluate contractors' modification requests and make recommendations to ODOT.</li> <li>• Monitor construction for compliance with specifications and regulations including checking of approved containment systems.</li> </ul>
<b>Expected Contracts</b>	<b>2</b>	
<b>ODOT Division</b>	<b>Multiple</b>	
<b>County</b>	<b>Statewide</b>	
<b>DBE Goal</b>	<b>5%</b>	
<b>Construction Project Job Piece No.</b>	<b>Task Order</b>	

- Review all required testing prior to work beginning and verify proper paint preparation methods.
- Reviewing contractor's post painting procedures and required testing and permits.

In addition the consulting firms should meet the following requirements:

- Have a minimum of three years of previous experience in providing bridge painting inspection services with surface preparation and coating application including experience with environmental and worker monitoring on industrial lead paint removal projects.
- The lead inspector will be trained in lead-based paint removal and have at least one year experience in performing environmental and/or worker exposure monitoring on industrial de-leading projects.
- Professional Engineer licensed to practice in the State of Oklahoma.
- Familiar with SSPC (Society for Protective Coatings) Guide 6.
- Familiar with Oklahoma Dept. of Environmental Quality (ODEQ) regulations for paint coatings and Lead paint removal/disposal.
- Familiar with EPA regulations for paint coatings and Lead paint removal/disposal.
- Personnel Trained in Hazardous Waste Disposal (capable of entering containment areas).
- Oklahoma Highway Construction Materials Technician Certification Board (for the non-paint related features).
  - o Cert. Lab Technician
  - o Cert. Sampling Technician

It is the intent that the selected consultant firm will limit the involvement of ODOT to the absolute minimum during the construction phase. All management and inspection services conducted by the consultant firm will be used to verify compliance with the plans and specifications and will be performed in accordance with ODOT and Federal Highway Administration policies and procedures as required in the construction documents. The selected consultant firm will be required to obtain a license and utilize and utilize SiteManager Support Software.

Contact Person: **Larry Reser** (405) 521-2621

RESPONSE PACKET 4		
Services Description: Statewide Aerial Mapping		
Contract No.	1344	The successful Consulting Firms will be required to provide aerial mapping services at select locations statewide to assist in the preparation and delivery of the 8 Year Construction Work Plan. These services may include, but are not limited to, digital scanning, analytical aerotriangulation, analytical stereo compilation (collect digital terrain model (DTM) data and topographic/planimetric data), as required by the Department. These services require qualifications, expertise, experience and/or equipment that are of highly specialized nature. All deliverables will be per applicable ODOT "Specifications for Surveys for Primary and Secondary Highways" and/or site-specific Survey Special Provisions, "Aerial Mapping Specifications", and shall meet, or exceed, National Map Accuracy Standards.
Expected Contracts	2	
ODOT Division	Multiple	
County	Statewide	
DBE Goal	0%	
Job Piece No.	Task Order	

Contact Person: **Walt Peters** (405) 521-2606

RESPONSE PACKET 5		
Services Description: On-System Truss & Fracture Critical Bridge Inspections		
Contract No.	1345	An in-depth hands-on inspection of approximately <b>48</b> (see attached list - subject to change) <b>truss bridges</b> on the State Highway System and approximately <b>57</b> (see attached list - subject to change) <b>fracture critical bridges</b> on the State Highway System. The selected consultant(s) will be responsible for providing all the necessary equipment to complete the bridge inspections. This may include, but is not limited to climbers, track vehicles, a snooper or polecat truck along with a two or three person inspection teams. Oversight of the inspection team must be performed by a Professional Engineer (P.E.) knowledgeable about bridge structures. The team leader is required to be a Professional Engineer (P.E.) The work will include locating and documenting fatigue cracks on bridges included in this contract. In some cases, the inspection company may be required to drill holes at the ends of the cracks. The inspection company should be prepared to do nondestructive testing such as dye penetrant testing. Consultants will need to discuss their ability to inspect the bridges in the scheduled time frame and the amount of time that they will need for submitting the paper work once the field inspections are completed.  Special Qualifications: The team leader must have completed NHI Course No. 13055 - Safety Inspection of In-Service Bridges and NHI Course No. 13078 - Fracture Critical Inspection Techniques for Steel Bridges. Companies applying for this contract should include a team of climbers.
Expected Contracts	5	
ODOT Division	Multiple	
County	Statewide	
DBE Goal	0%	
Job Piece No.	TBD	

Contact Person: **Alan Stevenson** (405) 521-6460

<b>RESPONSE PACKET 6</b>		
<b>Services Description: Fiber Optic Installation</b>		
<b>Contract No.</b>	<b>1346</b>	<p>Project Description: ODOT, on the behalf of the State of Oklahoma is soliciting the services of consulting engineering companies to provide field and location survey, preliminary engineering, preparation of construction plans and construction inspection duties for a new 1,050 miles of fiber optic route and communication infrastructure to connect 32 anchor institutions across the state. The fiber route will touch 35 of Oklahoma's 77 counties, on state highway and interstate right-of-ways.</p> <p>Design Services: The successful Consulting Firms will be responsible for producing and delivering final PS&amp;E for new fiber optic installation along highway corridors statewide as determined by ODOT. Services will include but will not be limited to collecting GIS grade field survey information, utility coordination, and design services associated with the production of fiber optic installation plans and specifications in accordance with current ODOT practices. ODOT will require that the design and plan development be completed in such a manner that the information can be incorporated into ODOT's GIS database upon completion of design. Any person, company, or entity that desires to submit a proposal must possess the necessary qualifications and educational experience related to the use of CAD programs for the development of transportation or utility plan.</p> <p>Geographic Information Systems Data Processing and Conversion: The successful firm will be responsible for providing ESRI ArcGIS compatible data in a custom ODOT telecommunications data model from design plans and specifications. Anticipated services include AutoCAD data conversion, data population through ArcEditor, and scripting. Processed data will be delivered in ESRI geo-database/shape-files as appropriate for the data model. Additionally, the firm selected should have experience with modeling telecommunication networks inside of a GIS environment so as to guarantee data connectivity for use with signal path tracing of the geo-database.</p> <p>Management Services: One successful firm will be responsible for providing oversight and management of the above consulting firms and responsible for verifying the CADD and ESRI ArcGIS files and compatible and can be integrated into the ODOT ITS GIS system.</p>
<b>Expected Contracts</b>	<b>6</b>	
<b>ODOT Division</b>	<b>Multiple</b>	
<b>County</b>	<b>Multiple</b>	
<b>DBE Goal</b>	<b>6%</b>	
<b>Construction Project Job Piece No.</b>	<b>TBD</b>	

Contact Person: **Greg Allen** (405) 521-2606

RESPONSE PACKET 7		
<b>Services Description: On-Demand Preliminary Engineering, Preparation of Construction Plans (State Bridge Rehabilitation)</b>		
<b>Contract No.</b>	<b>1347</b>	MULTIPLE LOCATIONS WITHIN EACH OF THE EIGHT FIELD DIVISIONS  The anticipated services will include a Visual Inspection, Photo Documentation, Development of Rehabilitation Alternatives, Preliminary and Final Design and will culminate in the submittal of Plans, Specifications and Estimates, (PS&E).
<b>Expected Contracts</b>	<b>8</b>	
<b>ODOT Division</b>	<b>Multiple</b>	
<b>County</b>	<b>Statewide</b>	
<b>DBE Goal</b>	<b>6%</b>	
<b>Construction Project Job Piece No.</b>	<b>Task Order</b>	

The Department Solicitation of Interest response mechanism is intended to reduce the reproduction requirements on work of a similar scope and/or specific to ODOT Field Divisions that will be reviewed by a common selection committee. Therefore, your response **for the Professional Services Contract that you are interested in being considered for** will include a total of one (1) response packet (one (1) unbound original) per common selection committee as described as follows:

**RESPONSE PACKET 1**

One (1) combined packet for **EC No. 1338** including the following:

- A Letter of Interest referencing the Engineering Contract Number (**EC No. 1338**)
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)
- **A statement that identifies your firm's strategy in meeting the proposed DBE goal.**
- **2009 FAR Audit**

**RESPONSE PACKET 2**

One (1) combined packet for **EC No. 1339** including the following:

- A Letter of Interest referencing the Engineering Contract Number (**EC No. 1339**)
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)
- **A statement that identifies your firm's strategy in meeting the proposed DBE goal.**
- **2009 FAR Audit**

**RESPONSE PACKET 3**

One (1) combined packet for **EC No. 1343** including the following:

- A Letter of Interest referencing the Engineering Contract Number (**EC No. 1343**)
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)
- **A statement that identifies your firm's strategy in meeting the proposed DBE goal.**
- **2009 FAR Audit**

#### **RESPONSE PACKET 4**

One (1) combined packet for **EC No. 1344** including the following:

- A Letter of Interest referencing the Engineering Contract Number **(EC No.1344)**
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)
- **2009 FAR Audit**

#### **RESPONSE PACKET 5**

One (1) combined packet for **EC No. 1345** including the following:

- A Letter of Interest referencing the Engineering Contract Number **(EC No.1345)**
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)
- **2009 FAR Audit**

#### **RESPONSE PACKET 6**

One (1) combined packet for **EC No. 1346** including the following:

- A Letter of Interest referencing the Engineering Contract Number **(EC No.1346)**
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)
- **A statement that identifies your firm's strategy in meeting the proposed DBE goal.**
- **2009 FAR Audit**

#### **RESPONSE PACKET 7**

One (1) combined packet for **EC No. 1347** including the following:

- A Letter of Interest referencing the Engineering Contract Number **(EC No.1347)**
- A Table of Organization depicting the proposed project team
- Any additional information you believe appropriate for the Department's use in determining your capabilities and qualifications to perform the type of work encompassed by that particular contract.
- A statement of your qualifications (CAP 255 Form preferred)
- **A statement that identifies your firm's strategy in meeting the proposed DBE goal.**
- **2009 FAR Audit**

**Please remember that this is a SOLICITATION OF INTEREST and not a Request for Proposal. As such, you are only requested to provide information related to your qualifications to perform the work described. Any additional information you choose to provide related to proposed solutions for the solicited projects or any other prepared Contract/Project specific media is NOT required and is unnecessary for the Department's processes. Proposals will be requested upon entering the interview phase of the Consultant Selection Process.**

The following factors will be considered primary for determining the firms that will be extended an invitation to interview and/or provide a proposal for Response Packet(s):

1. Experience and/or familiarity of the proposed Consultant Team with Department procedures.
2. Ability of the Consultant Team to perform the type of work contemplated.
3. Specialized qualifications of the Consultant Team applicable to the type of work contemplated.
4. Capacity of the Consultant Team to accomplish the work in accordance with the anticipated schedule considering current workloads.
5. Past performance of the Consultant Team (references may be requested if not provided).

**The deadline for the submittal of Response Packets 1 through 7 will be 4:30 p.m., January 24, 2011.**

The Department anticipates the selection process to be complete and the contracts negotiated as soon as possible and no later than April 2011 for response packets 1 through 7. As all these contracts are anticipated to be financed with Federal Fiscal Year 2011 funding, the Notice to Proceed is expected as soon as possible and no later than July 2011 for response packets 1 through 7.

**PLEASE NOTE: Response packets can now be submitted electronically in a .pdf format to Ms. Lisa Massey at: [Imassey@odot.org](mailto:Imassey@odot.org).**

**LETTER OF INTEREST PACKET SUBMITTAL:**

**If not sending electronically, please submit all packets to the following address:**

**Project Management Division  
Attn: Lisa Massey, Room 1C-4A  
Oklahoma Department of Transportation  
200 NE 21<sup>st</sup> Street  
Oklahoma City, OK 73105-3204**

As always, your assistance, cooperation and patience are greatly appreciated. Please do not hesitate to make us aware of any questions, comments or concerns that you may have or to offer suggestions for process improvement.