



# **TEXAS GENERAL LAND OFFICE**

## **ENGINEERING**

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## **SCOPE OF SERVICES REQUESTED**

Providers will help the GLO fulfill State and Federal Community Development Block Grant Disaster Recovery (“CDBG-DR”) statutory responsibilities related to disaster recovery for presidentially declared disasters in Texas. Providers will assist the GLO and grant recipients in the completion of CDBG qualified housing or non-housing projects. Respondents may be qualified to provide Engineering services for housing projects, non-housing projects, or both. Engineering services must be performed in compliance with the U.S. Department of Housing and Urban Development (“HUD”) and guidelines issued by the GLO. Providers will be bound to specific terms and conditions found in the sample general terms and conditions.

## **DESCRIPTION OF SERVICES AND SPECIAL CONDITIONS**

Respondents will be required to show the ability to provide all the Engineering services described below. Respondent shall then provide a detailed description of how they meet the requirement, describing their knowledge and experience, as well as providing discrete examples of previous work where applicable.

### **General Requirements**

- (a) Coordinate, as necessary, between subrecipient and its service providers (i.e., Engineer, Environmental, Contracted Construction Company, Grant Administrator, etc.) and GLO. regarding project design services.
- (b) Provide monthly project status updates.
- (c) Funding release will be based on deliverables identified in the contract.

### **Initial Engineering and Design Support**

Respondents will be required to show the ability to provide all the Engineering services described below:

- (a) Assist with the development of grant applications, as necessary.
- (b) Provide all project information necessary to ensure timely execution of the environmental review.
- (c) Provide preliminary engineering, investigations, and drawings sufficient to achieve the preliminary design milestone, including at a minimum:
  - i. Cross sections/elevations
  - ii. Project layout/staging areas

- iii. General notes
  - iv. Special notes
  - v. Design details
  - vi. Specifications
  - vii. Utility relocation designs
  - viii. Construction limits, including environmentally sensitive areas that should be avoided during construction
  - ix. Required permits
  - x. Quantities
  - xi. Estimate of construction costs to within +/- 25%
  - xii. Schedules for design, permitting, acquisition and construction
- (d) Design surveying, topographic and utility mapping.
  - (e) Perform subsurface explorations for project sites, as necessary.
  - (f) Prepare horizontal alignments/layouts for all proposed project alternatives necessary to fully describe the project scope, anticipated limitations, and potential project impacts.
  - (g) Recommend value engineering options (alternative design, construction methods, procurement, etc.) that may improve efficiency, expedite the schedule, or reduce project costs for the subrecipient.
  - (h) Identify, acquire and submit all necessary permits and approvals required for design approval and construction.
  - (i) Submit all necessary deliverables to the appropriate entity for review and comment. Adjust project and/or design to satisfactorily address any comments, as necessary.
  - (j) Prepare plans and profiles, including vertical design information for the selected alternative.
  - (k) Identify and address potential obstacles to project implementation (i.e., pipelines, easements, permitting, environmental, etc.) prior to moving forward with the final design.
  - (l) Support subrecipient with acquisition or property/servitudes/right-of-way documentation as required by the City to facilitate the project, preparing right of way surveys and/or property boundary maps and legal
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descriptions of parcels to be acquired.

- (m) Provide project schedules from cradle to grave in MS Project format or equal as approved by the subrecipient based on GLO guidance.

### **Engineering and Final Design Support**

Respondents will be required to show the ability to provide all the Engineering services described below as they relate to final design support:

- (a) Prepare plans and profiles, including necessary design information for the selected alternative sufficient to achieve all detailed design milestones. Examples include, but are not limited to:
    - i. Cross sections/elevations
    - ii. Project layout/staging areas
    - iii. General notes
    - iv. Special notes
    - v. Design details
    - vi. Specifications
    - vii. Utility relocation designs
    - viii. Construction limits, including environmentally sensitive areas that should be avoided during construction
    - ix. Required permits
    - x. Quantities
    - xi. Estimate of construction costs to within +/- 20%
    - xii. Schedules for design, permitting, acquisition and construction
  - (b) Provide information to appropriate individuals for the development of environmental fund release reports and floodplain maps.
  - (c) Identify, acquire and submit all necessary permits and approvals required for design approval and construction.
  - (d) Provide hard copy, if necessary, reproducible plan drawings and bid documents, in addition to electronic copies to the subrecipient, upon design completion, and as requested during design. Electronic copies should be in the native format (AutoCAD DWG) along with PDF packages and should contain all corresponding references, databases, or
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files associated with the completed design documents.

- (e) Assist the subrecipient and any service provider related to the project with all necessary documentation to ensure compliance with all Program requirements and regulations.

### **Bid and Award Support**

Respondents will be required to show the ability to provide all the Engineering services described below as they relate to bid and award support.

- (a) Submit appropriate items and support subrecipient in the development of complete bid package.
- (b) Prepare and assist subrecipient in the advertisements for bid solicitation.
- (c) Support development and issuance of bid-related documents necessary to complete bid process (e.g., bid proposal form, bid addenda and supporting documentation).
- (d) Attend and support subrecipient at pre-bid conference and bid opening.
- (e) Support subrecipient with ongoing communication during bid process.
- (f) Support subrecipient to complete bid tabulation and evaluation of responses and provide recommendation for award.
- (g) Support subrecipient to negotiate and finalize contract documents, including issuance of the Notice to Proceed, in accordance with program and subrecipient requirements.
- (h) Support subrecipient in the conducting of a preconstruction conference.

### **Contract Management and Construction Oversight**

Respondents will be required to show the ability to provide all the Engineering services described below as they relate to contract management and construction oversight.

- (a) Ensure delivery of subrecipient project in accordance with contract.
- (b) Provide ongoing Construction Oversight Reports detailing the status of construction for subrecipient project.
- (c) Review all service provider submittals to ensure compliance with construction contract documents and provide recommendations to subrecipient.
- (d) Provide periodic and final inspections and tests reports, as required for the project.
- (e) Provide on-site supervision and oversight of construction activities at a minimum on a bi-weekly basis or as directed by the GLO or subrecipient.

- (f) Review Construction Change Orders and provide recommendation to subrecipient as to appropriate action.
- (g) Review invoice/draw requests and provide recommendation to subrecipient as to appropriate action, in compliance with the construction contract documents.
- (h) Obtain independent cost estimates for validation purposes, as required.
- (i) Review and respond to requests for information/clarification.
- (j) Support subrecipient with issue identification and claims resolutions.
- (k) Enter all requisite information into the GLO system of record in accordance with established policies and procedures.
- (l) Develop a final “as built” report of quantities, drawings, and specifications.
- (m) Issue to the subrecipient, for execution, a Certificate of Construction Completion within 30 days of final inspection approval.
- (n) Deliver “as-built” drawings to the subrecipient within 30 days of project completion.
- (o) Host and/or attend project coordination meetings in person, by phone, or by video conference, which may or may not fall during normal business hours.
- (p) Perform other contract management and construction oversight duties as required to ensure success of the subrecipient project.
- (q) Provide necessary certifications to regulatory agencies of project completion and compliance (ex. TCEQ).
- (r) Submit all final invoices within 60 days after contract or work order expiration.

### **Specialized Services**

Respondents will be required to show the ability to provide all the Engineering services described below as they relate to specialized services.

- (a) Provide Geotechnical Investigations as may be required for a project.
- (b) Provide Detailed Surveying as may be required for a project.
- (c) Provide Site Specific Testing as may be required for a project.
- (d) Provide Archeological Studies as may be required for a project.
- (e) Provide Planning Studies as may be required for a project.

- (f) Provide Feasibility Studies as may be required for a project.
- (g) Provide Legal documentation for property and/or easements to be acquired (i.e., field notes, etc.).
- (h) Provide Phase I and Phase II environmental site assessments as requested.