

"This is only the scope of work for the project. For more information, interested parties should contact Procurement at [purchasing@stp.gov.org](mailto:purchasing@stp.gov) to ensure receipt of a full project package, to be listed as a plan holder and to ensure any addenda to the project package are received."

The Provider shall be required to perform the tasks listed below for the extension of Emerald Forest Blvd. to LA 59. The tasks include:

A. Feasibility Study

- 1. Survey:** Provider shall conduct research using parcel maps, right-of-way drawings, utility as-builts, LIDAR and any other reasonable methods to acquire enough information about the property in the proposed alignments to determine accurate cost estimates.
- 2. Potential Alignments:** Provider shall examine two (2) potential alignments for the connector roadway. Provider shall provide a recommendation to the Parish for the selection of a potential alignment and required right-of-way. Based on that selection, Provider shall develop typical cross sections for the preferred alignment. Each potential alignment shall have a drainage routing plan that will not inhibit drainage of adjacent properties. Roadside drainage shall be designed for the 10 year storm. Main trunk lines and laterals shall be designed for the 100 year storm.
- 3. Section 404 Clean Water Act Pre-Application Meeting:** Provider shall facilitate and coordinate a pre-application meeting with the Corps of Engineers to provide a preview of the proposed project and define any concerns and requirements for an application for permit under Section 404 of the Clean Water Act.
- 4. Environmental Documentation:** The Provider shall research all potential environmental "show stopping" constraints or issues that influence early determinations of the project's feasibility, timing, and cost to both the natural and human environment. The Provider shall identify any major community issues impacted by the project during construction and operational phases of the project. The Provider shall assess any potential mitigation cost that could possibly be incurred in future stages of the development of the project for each project concept studied in the report.
- 5. Produce Conceptual Engineering Designs:** Provider shall develop a conceptual plan of the new, Emerald Forest Blvd to LA 59 Connector Road. Included in the plans will be proposed typical cross sections for the roadway and drainage. Provider shall identify potential conflicts and suggest possible solutions. This will include coordinating with the LA DOTD to determine the type of intersection required where Emerald Forest Blvd. Connector Road meets LA 59, as well as, a study of the existing intersection of Emerald Forest Blvd. and Falconer Dr. to determine if any improvements are necessary. The plans will be based on the site survey and GIS information existing along the proposed route. Utility placement shall be coordinated with the potential alignment. Provider shall provide recommendation for provisions of utilities within the planned right of way including parallel alignment and crossings. Planned crossing of the proposed road shall also be provided and include size and

location of conduit. Utilities to be considered include but shall not be limited to, sewer, water, phone, electric, gas, fiber optic and cable television. The Provider shall also identify the need for relocation of existing utilities where conflicts occur. The Provider shall coordinate with the Parish to ensure that any drainage improvement projects connecting to the drainage of this project are incorporated into the design.

6. **Engineer's Opinion of Construction Cost:** Based on Parish approval of the conceptual plan, Provider shall provide a preliminary engineer's opinion of construction cost for budgeting purposes. Construction costs shall be provided for an asphalt roadway and include drainage. The project costs will include an estimate for right-of-way for all land and improvements situated within the proposed right-of-way (all alignments considered). Utility relocations costs, construction costs, environmental (i.e. document, mitigation, etc) costs and design engineering costs are also part of the preliminary cost estimate.
7. **Project Status Reports:** Provider shall provide project status report with each invoice submitted to the Parish.
8. **Meetings:** Provider shall attend any and all meetings regarding the status of the project.

B. Design Engineering (Optional)

1. **Survey:** Provider shall procure and coordinate all necessary topographic surveys. In addition, the Surveyor will be required to identify all existing State and/or Parish rights-of-way and to prepare all necessary land survey for the acquisition of all additional rights of way. Survey shall include the location and owners of all existing utilities located within the existing and required right of way. Property corners shall be clearly marked for the existing and required right of way.
2. **Soil Analysis:** Provider shall procure and coordinate all necessary soil exploration and analysis needed to determine road design requirements from the existing soil. Provider shall submit the geotechnical report with recommendations to the Parish upon completion.
3. **Preliminary Design, Project Phasing and Engineer's Opinion of Construction Cost:** Based on Parish approval of the conceptual plan, Provider shall develop design submittals for Parish review and approval. Provider shall develop a preliminary recommendation for phasing of the project. Provider shall submit estimated costs for utility relocations, construction, and mitigation costs. Provider shall submit the required number of plan copies for each submittal.
4. **Land Acquisition Services:** Provider shall procure and coordinate all services necessary for the purchase of any right-of-way required for the approved project design.
5. **Final Construction Plans and Specifications:** Based on final approval of the plans by the Parish, Provider shall prepare construction plans and specifications for bidding

purposes based on results of the above information. Final plans shall also include a recommended construction phasing plan. Plans and Specifications shall be stamped and signed by a Licensed Civil Engineer in the State of Louisiana. Provider shall submit to the Parish the required number of plan copies for each submittal, required electronic formats, and one set of reproducible final plans. A final engineer's estimate of probable costs shall be included with this delivery.

- 6. Permitting:** Provider shall perform wetland assessment within the proposed right-of-way. This assessment will include preliminary meetings and coordination with Corps of Engineers (USACE) to obtain an agreement on the methods and scope of a final wetland delineation to be used as a jurisdictional determination. Provider shall facilitate the issuance of the jurisdictional determination by USACE. Upon completion of the wetlands determination, the Provider shall prepare and submit a 404 Corps Permit application. Provider shall submit any and all additional information required until the permit process is complete. Provider shall prepare and submit LA DOTD Permits as required. This includes preparation of any plans and specifications as dictated by LA DOTD. Provider shall prepare and submit for any other required information such as Cultural Resource Surveys, Endangered Species Surveys, etc.
- 7. Project Status Reports:** Provider shall submit Project Status Report with each invoice submitted to the Parish.
- 8. Meetings:** Provider shall attend any and all meetings with the Parish regarding the status of the Project including, but not limited to, the pre-bid meeting and preconstruction meetings.
- 9. Design Schedule:** Provider shall submit a design schedule including target completion dates or timelines for milestone design activities.
- 10. Construction Administration & Inspection Services:** Provider shall provide Construction Administration and Inspection Services if the Parish chooses not to provide the services in-house. The compensation for the service will be separate from the above tasks and accepted at the option of the Parish.