



KASBERG, PATRICK & ASSOCIATES, LP

CONSULTING ENGINEERS

Texas Firm F-510

Temple
19 North Main Street
Temple, Texas 76501
(254) 773-3731

RICK N. KASBERG, P.E.
R. DAVID PATRICK, P.E., CFM
THOMAS D. VALLE, P.E.
GINGER R. TOLBERT, P.E.
ALVIN R. "TRAE" SUTTON, III, P.E., CFM
JOHN A. SIMCIK, P.E., CFM

Georgetown
1008 South Main Street
Georgetown, Texas 78626
(512) 819-9478

April 15, 2021

Kevin Beavers, CPRP
Parks and Recreation Director
1701 N. General Bruce Drive
Temple, Texas 76504

Re: City of Temple
Pepper Creek Trail FM 2305 to Kegley Road Design

Dear Mr. Beavers:

At the request of the City of Temple, we are submitting this proposal for the above referenced project. This project will design the Pepper Creek Trail from FM 2305 to Kegley Road including rehabilitation of the pedestrian bridge on FM 2305. The timeframe for the design for the Pepper Creek Trail FM 2305 to Kegley Road Design Project is eight (8) months from the Notice to Proceed and any associated rights-of-entry required for the project. The opinion of probable construction cost for the Pepper Creek Trail FM 2305 to Kegley Road Project is \$2,750,000.

The work to be performed by KPA under this contract consists of providing design services for the project.

The following services will be performed:

FIELD SURVEYING

- Topographic Surveys for Engineering Design.
- Data collection shall consist of surveying all elements of the project to complete the design requirements. Elements shall include roadways, curb and gutter, topography, vegetation, existing property corners, dry utilities marked from a one call, etc.

PRELIMINARY DESIGN FOR PEPPER CREEK TRAIL - FM 2305 TO KEGLEY ROAD

- Review existing conditions for the trail system;
- Review FM 2305 pedestrian bridge at Pepper Creek;
- Develop alignment of the Pepper Creek Trail design limits including connections to the facilities on Kegley Road;
- Develop preliminary design for Pepper Creek Trail under the FM 2305 Bridge.

- Develop preliminary design for hydraulics at Pepper Creek to allow joint use of low flow drainage and pedestrian passageway;
- Develop preliminary trail design;
- Review existing electric utility and potential locations for service connections;
- Develop preliminary design for light features;
- Develop preliminary design for light spacing based on illumination for the light options;
- Prepare preliminary layout and design for the trail system;
- Prepare preliminary design for rehabilitation of the Pepper Creek Trail Pedestrian Bridge;
- Progress meetings with City Staff for status reports and plan reviews;
- Prepare an opinion of probable total project costs based on the preliminary design.

FINAL DESIGN FOR PEPPER CREEK TRAIL - FM 2305 TO KEGLEY ROAD

- Develop final design for light features based on the reviewed and approved preliminary design;
- Develop final alignment of the Pepper Creek Trail design limits including connections to the facilities on Kegley Road;
- Develop final design for Pepper Creek Trail under the FM 2305 Bridge.
- Develop final design for hydraulics at Pepper Creek to allow joint use of low flow drainage and pedestrian passageway;
- Develop final trail design;
- Finalize electric utility locations for service connections;
- Develop final design for light features;
- Develop final design for light spacing based on illumination for the light options;
- Prepare final layout and design for the trail system;
- Prepare final design for rehabilitation of the Pepper Creek Trail Pedestrian Bridge;
- Develop final design for Pepper Creek including drainage systems to allow pedestrian access during low flow events;
- Develop final layout and design for the trail light system based on the reviewed and approved preliminary design;
- Prepare final design for the Pepper Creek Trail Pedestrian amenities;
- Coordination with Oncor;
- Prepare final design for the electrical panel. This will include location and possible screening;
- Prepare final design for underground conduit, wiring, connections etc.;
- Prepare final design for substructure and superstructure structural foundations and piers for the lighting system;
- Coordinate with TxDOT on the FM 2305 right-of-way including sidewalk design to connect existing sidewalk to the east.

- Progress meetings with City Staff for status reports and plan reviews;
- Prepare a revised opinion of probable total project costs based on the final design;
- Prepare construction drawings and specifications showing the character and extent of the project. The construction plans will be drawn on 11-inch by 17-inch sheets (half-scale). The 11x17 prints will be used for bidding purposes and for field copies. The 11x17 prints will also be used for record drawings;
- Prepare General Notes and Details for the project;
- Prepare erosion control plan for the project;
- Design revegetation for the project;
- Coordinate with the Kegley Road Project;
- Prepare typical details and specifications;
- Basic documents related to construction contracts will be provided by the City. These will include contract agreement forms, general conditions and supplementary conditions, invitations to bid, instructions to bidders, insurance and bonding requirements and other contract-related documents. KPA will provide the technical specifications and bid schedule for the project documents.

The following scope of work for design phase services for the Pepper Creek Trail from FM 2305 to Kegley Road Project can be completed for the lump sum price of \$239,400. Below is a breakdown of project costs. We are pleased to submit this proposal and look forward to the benefit it will bring the City of Temple.

• Field Data / Survey	\$17,600
• Environmental/Archaeological	\$13,800
• Schematic Design	\$62,100
• Drainage Design	\$28,600
• Final Design	\$74,800
• Bridge Rehabilitation Design	\$14,200
• Final Electrical Design	\$18,700
• Final Structural Design	\$9,600

\$239,400

TOTAL

Exhibit A outlines the rates which would be used to charge for special or additional services authorized beyond the scope. We will invoice monthly for our services based on a percent completion basis. We appreciate the opportunity and look forward to working with you on this project.

Sincerely,

A handwritten signature in blue ink, appearing to read 'R. David Patrick', with a long horizontal flourish extending to the right.

R. David Patrick, P.E., CFM

RDP/crc

xc: File

ATTACHMENT "A"

Charges for Additional Services

**City of Temple
Pepper Creek Trail FM 2305 to Kegley Road Design**

<u>POSITION</u>	<u>MULTIPLIER</u>	<u>SALARY COST/RATES</u>
Principal	2.4	\$ 75.00 – 95.00/hour
Project Manager	2.4	60.00 – 75.00/hour
Project Engineer	2.4	50.00 – 60.00/hour
Engineer-in-Training	2.4	40.00 – 50.00/hour
Engineering Technician	2.4	35.00 – 50.00/hour
CAD Technician	2.4	30.00 – 50.00/hour
Clerical	2.4	15.00 – 30.00/hour
Expenses	1.1	actual cost
Computer	1.0	15.00/hour
Survey Crew	1.1	125.00 – 160.00/hour
Registered Public Surveyor	1.0	130.00/hour
On-Site Representative	2.1	30.00 – 40.00/hour