



**KASBERG, PATRICK & ASSOCIATES, LP**  
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February 26, 2021

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

Re: City of Temple  
Pepper Creek Trail Lighting Design

Dear Mr. Beavers:

At the request of the City of Temple Reinvestment Zone #1 (TRZ), we are submitting this proposal for the above referenced project. This project will design the trail lighting for Pepper Creek Trail from FM 2305 to the Outer Loop including lighting for both pedestrian bridges on the trail and the pedestrian bridge on FM 2305. The timeframe for the design for the Pepper Creek Trail Lighting Design Project is six (6) months from the Notice to Proceed. The opinion of probable construction cost for the Pepper Creek Trail Lighting Project is \$2,800,000. Please note the design for lighting the FM 2305 Pedestrian Bridge is included in the design, but not part of the OPC.

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.

SCHEMATIC DESIGN FOR PEPPER CREEK TRAIL LIGHTING

- Review existing conditions for the trail system;
- Review two (2) pedestrian bridges on Pepper Creek Trail;
- Review FM 2305 pedestrian bridge at Pepper Creek;
- Review tree inventory withing the Pepper Creek Trail design limits;
- Review existing electric utility and potential locations for service connections;

- Develop schematic design for light features;
- Develop schematic design for light spacing based on illumination for the light options;
- Prepare preliminary layout and design for the trail light system;
- Prepare preliminary design for the Pepper Creek Trail Pedestrian Bridge light system;
- Prepare preliminary design for the FM 2305 Trail Pedestrian Bridge light system;
- Develop renderings / sketches for:
  - FM 2305 Pedestrian Bridge Lighting
  - Pepper Creek Pedestrian Bridge Lighting
  - Pepper Creek Trail Lighting
- Progress meetings with City Staff for status reports and plan reviews;
- Prepare a revised opinion of probable total project costs based on the preliminary design.

#### FINAL DESIGN FOR PEPPER CREEK TRAIL LIGHTING

- Develop final design for light features based on the reviewed and approved preliminary design;
- Develop final design for light spacing based on illumination for the light options based on the reviewed and approved preliminary design;
- 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 Bridge light system based on the reviewed and approved preliminary design;
- Prepare final design for the FM 2305 Trail Pedestrian Bridge light system based on the reviewed and approved preliminary design;
- Prepare final design for electrical service connections for the project. This will include 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;
- 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 Outer Loop (Wendland Road to McLane Parkway) Project;
- Prepare erosion control sheets;
- Prepare revegetation for the 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;
- Progress meetings with City Staff for status reports and plan reviews;
- Prepare a revised opinion of probable total project costs based on the final drawings and specifications

The following scope of work for design phase services for the Pepper Creek Trail Lighting Design Project can be completed for the lump sum price of \$279,200. 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 / Trail Review	\$13,600
• Schematic Design	\$52,800
• Project Renderings / Sketches	\$18,600
• Final Trail Lighting Design	\$112,000
• Final Bridge Lighting Design (Pepper Creek Trail)	\$18,600
• Final Bridge Lighting Design (FM 2305 Trail)	\$22,400
• Final Electrical Design	\$26,300
• Final Structural Design	\$14,900

**\$279,200**

**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 stylized flourish at the end.

R. David Patrick, P.E., CFM

RDP/crc

xc: File

**ATTACHMENT "A"**

**Charges for Additional Services**

**City of Temple  
Pepper Creek Trail Lighting 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