

January 5, 2010

Mr. Bill Burke, Building Projects Manager
Collin County
4600 Community Avenue
McKinney, Texas 75071

Re: Proposed Hike & Bike Trail
Justice Center Complex
McKinney, Texas



Dear Mr. Burke:

Spurgin & Associates Architects is pleased to submit this proposal to provide Professional Design Services for the proposed lighted, concrete hike & bike trail at the Justice Center Complex, located at the northeast corner of Community Avenue and Bloomdale Road in McKinney, Texas.

Scope: Provide geotechnical study, surveying services, preliminary alignment staking, civil/electrical engineering and bidding/construction documents for the lighted hike & bike trail, structural design and bidding/construction documents for the abutments necessary to support/secure the steel bridge across the Honey Creek tributary together with refurbishing the bridge, and construction phase observation.

Fee: Our fee for the above enumerated services shall be Eighty Thousand Dollars (\$80,000.00) lump sum fee which shall not be exceeded without prior approval from Collin County.

Extra Services: Additional services requested by Collin County will be performed at an hourly rate per the schedule shown below.

Reimbursable Expenses: Reimbursable items shall include lodging, airfare, rental car, meals, delivery charges, long distance telephone charges, postage, mileage, film, film processing, CADD plots and printing charges not included in above services provided. These charges will be used for the expedience of the project and be at the sole discretion of the consultants. Reimbursable expenses shall be invoiced at consultant's direct cost incurred plus 10% with a maximum not-to-exceed Eight Thousand Dollars (\$8,000.00).

Schedule of Direct Labor Rates:

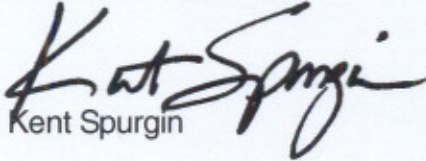
Discipline	Staff Designation	Hourly Billing Rate
Architect	Principal Architect	\$120
Architect	Technician	\$55
Civil	Principal Engineer	\$150
Civil	Registered Engineer	\$115
Civil	Engineer-in-Training	\$90
Civil	Senior Designer	\$100
Civil	Technician	\$85
Civil	Clerical	\$60
Electrical	Director	\$195

Electrical	Senior Engineer, Manager	\$165
Electrical	Project Engineer, Manager	\$135
Electrical	Engineer, Specialist	\$105
Electrical	Graduate Engineer, Designer, Admin. Secretary	\$85
Electrical	Technician, Secretary, Intern, Clerical	\$60

Please refer to revised civil consultant's proposal to Spurgin & Associates Architects (copy attached) for additional information.

Please do not hesitate to contact our office if you have any questions or comments. We look forward to working with Collin County once again.

Respectfully submitted,


Kent Spurgin

CROSS ENGINEERING CONSULTANTS

I N C O R P O R A T E D

December 30, 2009

Spurgin & Associates Architects
103 W. Louisiana Street
McKinney, Texas 75069

Attn: Kent Spurgin

Re: Collin County Hike and Bike Trail

Dear Mr. Spurgin:

We are pleased to present the following proposal and fee schedule to provide engineering services for a Hike and Bike Trail from the Collin County Courthouse north through the Justice Center in McKinney, Texas. The Hike and Bike Trail will be 10' wide and approximately 3,625 feet in length. The connector sidewalks will be 6' wide and approximately 1,340 feet in length. Both will be constructed of reinforced concrete. The Hike and Bike trail will begin at the south side of the administration building at the northeast corner of Bloomdale and Community Avenue. The trail route will generally be along the west side of a tributary of Honey Creek north to a drive just south of the minimum security bldg. Please see attached exhibit, showing the general alignment that we have anticipated. This fee proposal is based upon the general alignment shown on the attached exhibit. Substantial variations to this alignment may require additional services. We propose to provide the following professional services:

I. Surveying Services

1. Topographic Survey

- Field tie area required for final design.
- Field tie above ground visible improvements.
- Prepare a topographic survey drawing.
- This drawing will show ground surface contours at an interval of one (1) foot supplemented by appropriate spot elevations accurate to 0.1 foot elevation in areas where new facilities are proposed.
- This task includes performing a topographic survey for approximately 3,625 l.f. of trail along with approximately 1,340 feet of sidewalk, including adjacent right-of-way.
- Research and show any easements for utilities in the project area.

2. Preliminary Alignment Staking

- Field tie preliminary alignment by County Engineer and/or County Staff.

- Set field stakes (lathes) for preliminary centerline alignment for inspection by Collin County Engineer and County Staff.

II. Preliminary Engineering

- This task item includes one meeting with the Collin County to obtain information necessary to complete design of the project and define project parameters.
- Perform on-site visit to review existing conditions and analyze potential trail alignments.
- A Preliminary alignment plan will be prepared for review by the Collin County. This plan will indicate pavement width, spot elevations, and general horizontal alignment.

III. Civil Engineering Services – Construction Documents

1. Coordination

- This task item includes two (2) meetings with the Collin County to obtain information necessary to complete design of the project and define project parameters. Additional meetings will be billed as additional services.
- Perform on-site visit to review existing conditions.

2. Paving & Dimension Control

- Once the Preliminary alignment plans are approved we will prepare a detailed Paving and Dimension Control Plan for construction. This item includes all necessary paving details, and location of pavement joints.

3. Grading Plan

- A final grading plan will be prepared upon approval of the preliminary grading plan. This grading plan will be suitable for construction. This plan will show existing and proposed ground contour lines, and spot elevations needed to grade the Hike and Bike Trail and affected areas.
- The grading plan will also show retaining wall locations, if necessary, and elevations.
- The scope of this proposal does not include structural design of retaining walls. We have assumed that the structural design will be provided by the wall manufacturer or the wall contractor. Should structural design become necessary, we can provide a separate proposal or change order for this work.

4. Erosion Control Plan

- Prepare erosion control plan in conjunction with the grading designs. This task is for the preparation of design drawings and associated details only. The Erosion Control Plan shall

serve as information to the contractor in his/her preparation of the Stormwater Pollution Prevention Plan.

IV. Structural Engineering Services (To be performed by Parkin Perkins Olsen)

1. Structural Engineering Services

- Review local codes and ordinances.
- Review of the project scope to determine existing site and construction considerations.
- Perform one site visit to observe, assess, and measure existing bridge end conditions and evaluate the existing steel bridge structure.
- Evaluation of geotechnical report to confirm foundation systems.
- Preparation of Abutment Plan(s) and Details.
- Preparation of bearing pad, stringer, and decking plans and details.
- Assist the Client in evaluation of Contractor bids.
- Coordinate bid documents with Client and Contractor.
- Review of Structural Shop Drawings and Product Submittals.
- Review of Structural Material Test Reports.
- Perform one site observation visit during construction.

2. Retaining wall sections

- If requested, up to three retaining walls sections shall be provided.

Structural Engineering Service Exclusions

- Material testing, Special Inspections, and acting as an Owner or Client Agent.
- Design of bracing or shoring for construction, demolition or bridge relocation.

V. Geotechnical Report (To be performed by Alpha Testing)

The purpose of the geotechnical study will be to provide information for use in design of typical foundations for the proposed project. This study will include the following evaluations:

- Subsurface soil, rock and groundwater conditions on the site to depths that would be significantly affected by foundations.
- Engineering characterization of the subsurface materials encountered.
- Typical foundations suitable for support of the proposed project.
- Data required for design of typical foundation systems for the project.

- Recommendations regarding earthwork, including grading and excavation, backfilling and compaction, the treatment of in-place soils for the support of foundations, trails and walks, and possible construction problems reasonably to be expected.

We propose to explore the subsurface soil and/or rock conditions at the site by drilling a total of eight (8) test borings. Two (2) borings will be drilled for the pedestrian bridge (one at each abutment) to a depth of 30 ft. Four (4) borings will be drilled for the hike and bike trail to a depth of 10 ft, and two (2) borings will be drilled for the pedestrian walk to a depth of 5 ft. However, the number and depth of the test borings required to obtain the necessary field data may vary depending on the actual soil and/or rock conditions encountered. If unusual subsurface conditions are encountered and alternate field work is indicated, we will consult with the client prior to demobilization from the site. Please note, regardless of the number of borings performed subsurface conditions between borings may vary.

The study will also include laboratory tests to evaluate the classification, gradation and other physical characteristics of the subsurface soils.

VI. Construction Phase Services

1. Limited Construction Administration

- Visit site once a week to review progress of work.
- Provide clarifications and assistance to the owner and contractor.
- Review shop drawings and Submittals.
- Assist owner in making final inspection and punch list.
- Respond to contractor's requests for information.
- Supply As-Built drawings of the project, on Mylar film. Provide the County with AutoCAD files, and Tiff images of As-Built drawings.
- Bid advertisement, we will prepare and distribute them to potential contractors.
- Attend the pre-construction meeting.
- We will be available to review any field changes that may occur during construction.

VII. Additional Services

1. Stormwater Pollution Prevention Plan (SWPPP)

- Preparation of the Stormwater Pollution Prevention Plan. This shall be used by the contractor, and his erosion control inspector, to maintain compliance with City of McKinney, EPA, and TCEQ requirements.
- This item includes preparation of the Stormwater Pollution Prevention Plan Documents, and the preparation of the Notice of Intent, and the Preparation of the Notice of Termination, as required by TCEQ. This item does not include erosion control inspection, maintenance, enforcement, or any field related activities.

FEE SUMMARY

We propose to provide the herein-described services for the following lump sum fees:

I. Surveying Services

- | | |
|----------------------------------|---------|
| 1. Topographic Survey | \$7,000 |
| 2. Preliminary Alignment Staking | \$1,500 |

II. Preliminary Engineering \$8,000

III. Construction Documents \$25,000

IV. Structural Engineering Services

- | | |
|-----------------------------|----------|
| 1. Structural Engineering | \$10,200 |
| 2. Retaining wall sections. | \$1,800 |

V. Geotechnical Report \$4,560

VI. Construction Phase Services \$6,000

VII. Additional Services

- | | |
|---|----------|
| 1. Stormwater Pollution Prevention Plan | \$ 1,000 |
|---|----------|

TOTAL	\$65,060
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The fees established above, shall be considered lump sum fees, and will not be exceeded without prior approval from Owner. This professional services proposal is based upon the receipt of an owner-approved Architectural Site Plan and a Geotechnical Report as a basis for design. Major revisions by the Owner and/or Architect (after receipt of an owner-approved site plan), dictating construction document revisions will be considered as extra services to this contract. Prior to proceeding with extra services, Owner approval shall be obtained.

Reimbursable expenditures (printing, deliveries, CADD plots, travel, etc...) will be invoiced at 1.10 times the direct cost incurred. Invoices shall be submitted monthly for work completed to date and shall be due within 30 days of submittal.

Attachment "A" includes items which are not included in this proposal, but can be provided by Cross Engineering Consultants, if needed. The fees quoted in this proposal will be honored for up to 45 days from the date of this proposal.

Construction Staking and Lighting Plan are excluded from this proposal but can be provided by Cross Engineering Consultants, if needed,

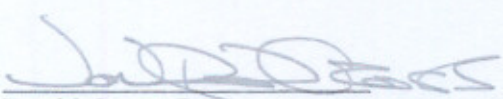
Construction Phase Services are not included in the scope of this proposal. Construction Phase Services, if necessary will be provided as an additional service, as requested, and will be billed on an hourly basis. A schedule of hourly rates is provided below.

SCHEDULE OF HOURLY RATES

STAFF	HOURLY RATE
PRINCIPAL ENGINEER	\$150
REGISTERED ENGINEER	\$115
ENGINEER-IN-TRAINING	\$90
SENIOR DESIGNER	\$100
TECHNICIAN	\$85
CLERICAL	\$60
DIRECT COSTS	ACTUAL COST + 10%

Cross Engineering Consultants, Inc. appreciates the opportunity to submit this proposal. The return of an executed copy of this agreement will serve as your acceptance and our authorization to commence work. Please feel free to call if you have any questions or comments concerning this matter.

Sincerely,
CROSS ENGINEERING CONSULTANTS, INC.

By: 
Jon David Cross, P.E.
President

Accepted: _____
Printed Name: _____
Title: _____
Name of Company: _____
Date: _____

ATTACHMENT A

1. Inspection and material testing services during construction.
2. Landscape Architecture and related details.
3. Fire protection, gas, telephone, cable and/or electric design.
4. Surveys not specifically included in the above proposal.
5. Filing fees, permit fees and sales tax on Final Plat or surveys.
6. Environmental impact statements and assessments, Wetland Determination or Delineation.
7. Traffic Impact Analysis, traffic engineering report or studies.
8. Construction staking.
9. Custom (site specific) Traffic Control Plans.
10. Flood plain studies, or reclamation plans.
11. Design of any facilities within the limits of the building.
12. Design of any off-site improvements required to serve the property is not included.