



Epsilon Engineering, Inc.

February 13, 2004

Mr. Mark Smith, P.E.
Director of Public Works
City of College Station Public Works Department
P.O. Box 9960
College Station, TX 77842

RE: Forest Ridge Elementary Access Improvements Project

Dear Mr. Smith:

Enclosed are the proposed scope of services (Exhibit "A"), fee proposal (Attachment "A"), and preliminary construction cost estimate for the Forest Ridge Elementary Access Improvements Project. This project is a westerly extension of the Greens Prairie Road and Arrington Road Realignment Project (Project No. ST-0304), currently in design. We understand, however, that this will be an extension of our current contract with the City for the Greens Prairie Road Widening Project (Project No. ST-0214).

We will develop and/or revise the Plans, Specifications, and Estimates (PS&E) package for the proposed route that extends the Greens Prairie Road and Arrington Road Realignment Project approximately 1,000 feet west. The proposed roadway design agreed upon at our February 11, 2004 meeting includes a pavement widening of the existing Greens Prairie Road from two lanes to four lanes approximately from Station 102+00 to Station 118+60. The existing westbound lane will be provided with an asphalt "level-up" to convert the roadway crown from a normal "rooftop" crown to a single slope crown to develop an eastbound turn lane and through travel lane. This eastbound left turn lane will allow for a 300 foot turn lane storage in advance of a turn into the staff parking lot and bus loop and a 500 foot turn lane storage in advance of a turn into the visitor parking lot and drop off area.

The roadway centerline alignment for the Greens Prairie Road Realignment Project will be shifted 12' to the north to tie into the new alignment of this extension. The westbound travelway west of the visitor parking lot and drop off area driveway will be a rural section with a single 12' lane, 4' shoulder, and ditch drainage. East of this driveway will be a right turn lane into the school site and a westbound through lane developed by widening the existing roadway with pavement, curb and gutter, underground drainage, and sidewalk from approximate Station 115+10 to Station 118+60. This section ties into the proposed full width urban section of the realigned four lane Greens Prairie Road. Illumination within the westward extension of the curbed section is also included, and the same design of the pavement layers for the realignment of Greens Prairie Road will be used for the widening section.

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Additional topographic survey is necessary for the extension of the new alignment and the fee proposal includes \$2,700 for Strong Surveying to perform topographic surveys, deed research, and utility locates for the cross section extensions. No additional water line or gas line relocations are expected with this project extension and no additional right of way will be required to the south. However, a construction easement may be needed on the school property west of the visitors parking lot entrance.

We have developed a preliminary construction cost estimate of \$361,400 for the above-described improvements and have attached a summary of these costs. We are also requesting a 60 day extension of the contract time for the Greens Prairie Road and Arrington Road Realignment Project to incorporate these revisions into a 60% completion submittal.

We have organized the format of the proposal to the general categories of Site Condition Determination and Contract Document Preparation, similar to Project No. ST0214 and have estimated the engineering design fee to be \$46,900 to develop the Plans, Specifications, and Estimates for this project extension. We would like to continue the invoicing structure as established on Project No. ST0214, which is on a lump sum fee by phase with progress payments by percent phase complete.

We are excited to have this opportunity to work with you on this very important project for access to the new elementary school and will be available to meet with you to discuss this project in more detail at your convenience. If you have any questions, please contact me anytime.

Sincerely,

Epsilon Engineering, Inc.



By Michael A. Martin, P.E.
Office Director

cc: Gary R. Myers, P.E.

Attachments: Scope of Services, Fee Proposal, and Preliminary Construction Cost Estimate

EXHIBIT "A"
Green Prairie Road and Arrington Road Realignment Project
Forest Ridge Elementary Access Improvements
Engineering Services Change Order #2 to Greens Prairie Road Widening Project

SCOPE OF SERVICES

The following engineering tasks will be performed by the Consultant:

Site Condition Determination

- Meet with the City of College Station staff to discuss project goals, schedule, budget, and deliverables. Continue coordination to ensure the staff is well-informed on the progress and issues of the project.
- Gather and review available information, including drainage studies, right of way maps, utility layouts, future development plans, and other available information.
- Topographic survey at 50 foot intervals from within and 25 feet north of the existing Greens Prairie Road right of way to the western end of the previously surveyed Greens Prairie Road and Arrington Road Realignment project cross sections.
- Utility location research, coordination, and field survey.
- Analysis of the above items.

Contract Document Preparation

- Based on the approved 12' northerly shift of the Greens Prairie Road and Arrington Road Realignment Project alignment, develop and/or revise 11"x17" construction plans, specifications, estimates, and other contract documents for the roadway widening at a scale of 1"=40' or other approved scale, including:
 - Cover Sheet and Index Sheet
 - Horizontal and Vertical Alignments
 - Typical Sections
 - Design Cross Sections
 - Traffic Control Plans and SW3P
 - Roadway Plan & Profile Sheets
 - Signs / Pavement Markings
 - Miscellaneous Roadway and Driveway Details
 - Hydrology and Hydraulic Analysis and Drainage Area Maps
 - Storm Drain System P&P Sheets and Culvert Layouts
 - Illumination Layouts
 - Standards, General Notes, Specifications, and Quantity Sheets
- Review the design plans with the City at the 60% and 90% milestones.
- Incorporate the additional sheets in the final design plans, specifications, estimates, bidding, and contract documents of the Greens Prairie Road and Arrington Road Realignment Project.

Attachment "A"
City of College Station, Texas
Greens Prairie Road and Arrington Road Realignment Project
Forest Ridge Elementary Access Improvements

Engineering Services Change Order #2 to Greens Prairie Road Widening Project
Contract No. ST-0214 Project No. ST-0304 Purchase Order No. 020924

SUMMARY OF FEES

Site Condition Determination Phase	
1.	Topographic Survey and Research
	\$2,700.00
P,S,&E Preparation Phase	
1.	Development of Plans, Specifications, Estimates and Bidding Documents
	\$46,900.00
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	TOTAL ESTIMATED FEE
	\$49,600.00