



TEDSI INFRASTRUCTURE GROUP

Consulting Engineers

October 14, 2008

1201 E. Expressway 83 ♦ Mission, Texas 78572

Commissioner Sylvia Handy
Hidalgo County Precinct 1
1902 Joe Stevens
Weslaco, Texas 78596

**RE: *Engineering Services Proposal
Solar Powered Roadway Lighting and Poles for Colonias in Hidalgo County
Precinct No. 1***

Dear Commissioner Handy:

TEDSI Infrastructure Group (TEDSI) is pleased to submit this proposal to Hidalgo County Precinct No. 1 for services relating to the *Solar Powered Roadway Lighting and Poles for Colonias* project.

TEDSI will perform these services as detailed in the attached "Exhibit A" – Scope of Services.

COMPENSATION

TEDSI's best and final offer to complete the tasks mentioned above is a total lump sum fee of \$26,230.00.

I can assure you of our personal service, total commitment and timely response towards you on this Project. Thank you for your consideration.

If you have any questions or require additional information, please do not hesitate to call.

Sincerely,

TEDSI INFRASTRUCTURE GROUP



Eric R. Dietrich, P.E., P.T.O.E.
Project Manager

EXHIBIT "A"

SCOPE OF SERVICES

PROJECT DESCRIPTION

This project is to provide location layout plans, specifications, and construction cost estimates for the installation of 21 solar powered roadway lighting fixtures mounted on wood poles along the internal streets of colonias Agua Dulce, Las Palmas and Mel C. Gray located within Hidalgo County Precinct No. 1. The Engineer will also provide construction support services for this project.

The work to be furnished by the Engineer shall consist of management and general engineering services for **SOLAR POWERED ROADWAY LIGHTING AND POLES FOR COLONIAS IN HIDALGO COUNTY PRECINCT No. 1.** The work shall be developed in accordance with the Owner and applicable design standards and in a format acceptable to the owner, and reviewing agencies.

The Engineer shall render specific management and engineering services for the development of the Project and fulfillment of this Agreement as follows:

- I. DESIGN PHASE – DESIGN AND PLANS, SPECIFICATIONS, AND ESTIMATES (PS&E) FOR SOLAR POWERED ROADWAY LIGHTING AND POLES FOR COLONIAS IN HIDALGO COUNTY PRECINCT No. 1.
- II. CONSTRUCTION PHASE – CONSTRUCTION MANAGEMENT AND SUPPORT

I. DESIGN PHASE SERVICES

Final Design and Plans, Specifications & Estimates

The Engineer will develop the final design and prepare contract drawings, specifications and estimates for construction of the Project or portions of the Project as authorized by the Owner.

All final plan sheets will be developed by the Engineer on reproducible, 4 mil, double-matte, white, opaque film.

The Engineer shall prepare graphic files that can be reviewed and plotted utilizing Microstation/AutoCAD, software. The graphic files submitted must be compatible with Microstation Cad System without conversion or modification and must plot consistent with reproducible plots submitted.

Specifications. The Engineer shall use Hidalgo County Specifications. Other specifications may be developed by the Engineer.

Estimates. The Engineer will prepare detailed cost estimates and proposals of authorized construction, which will include summaries of bid items and quantities based on the unit price system of bidding.

All plots and graphic media provided by the Engineer, as a result of this Agreement, shall be delivered to the Owner. Final payment for plan sheet documents and/or associated, applicable engineering files will not be made until the files furnished by the Engineer have been demonstrated to be useable in the formats described above and herein.

Services for DESIGN AND PLANS, SPECIFICATIONS AND ESTIMATES by the Engineer will include the following:

- 1) The Engineer will prepare a project location map for each colonia and a detail drawing to clarify any construction requirements of the plan drawings with the Engineer's seal, signature and date.

PS&E Supporting Documents

- 1) Specifications List and general Notes. The Engineer will prepare an applicable specification list, as well as any general notes that may be applicable to PS&E submission.
- 2) Estimates. The Engineer will prepare detailed cost estimates and proposals of authorized construction, which will include summaries of bid items and quantities based, insofar as practicable, on the unit price system of bidding.

II. CONSTRUCTION PHASE SERVICES

Construction Management and Support

The Engineer will provide engineering and support services for and during the construction of the Project or portions of the Project approved by the Owner. Specific services for CONSTRUCTION MANAGEMENT AND SUPPORT by the Engineer will include the following:

Construction Bidding

- 1) The Engineer will furnish to the Owner the necessary copies of approved plans, specifications, notices to bidders, and proposals as prepared under PS&E.
- 2) The Engineer will coordinate and conduct a Pre-Bid Conference for prospective bidders.
- 3) The Engineer will assist Owner the tabulation of bids, recommendations to the Owner as to the proper action on all bid proposals received, and the preparation of formal contract documents for the award of each construction contract.

Construction Contract Administration

- 4) In general, the Engineer will provide the management and engineering support/data required for consultation and advisement to the Owner and act as the Owners representative as provided in the General Condition of the Construction Contract.
- 5) The Engineer will coordinate and conduct a pre-construction conference.

- 6) **Defects and Deficiencies.** The Engineer will use his best efforts to protect the Owner against defects and deficiencies in the work of the Contractor. The Engineer will promptly notify the Owner of any such defect or deficiency, and take all steps possible to require the Contractor to correct the defect or deficiency.
- 7) **Contractor Payment.** The Engineer will verify quantities, in accordance with the construction contract specifications, of those items of work accepted and conforming to the construction contract specifications, for the preparation of the monthly and final estimates for payment to the Contractor.
- 8) The Engineer will provide a monthly visit by the Project Engineer or a representative of the Engineer to the site of construction for the purpose of monitoring the Contractor's progress and conformance to the construction contract plans and specifications.

Miscellaneous Technical Activities

- 9) **Shop Drawings.** The Engineer will review and check all shop or working drawings furnished by the Contractor.
- 10) **Change Orders.** When applicable the Engineer will prepare the engineering data, including plan sheet drawings, specifications, and estimates, for the preparation of construction contract change orders, which may be required due to actual field conditions encountered or new requirements directed by the Owner.

Services to be Provided by the Owner

The following provides an outline of the services to be provided by the **Owner** in the development of the **SOLAR POWERED ROADWAY LIGHTING AND POLES FOR COLONIAS IN HIDALGO COUNTY PRECINCT No. 1.**

The **Owner** will provide to the **Engineer** the following:

- 1) Authorization to the Engineer to begin work.
- 2) Payment for work performed by the engineer.
- 3) Assistance to the Engineer, as necessary, to obtain required data and information from other local, regional, and state agencies that the Engineer cannot easily obtain.
- 4) Provide any available relevant data that may on file concerning the Project.
- 5) Provide timely review and decisions in response to the Engineers request for information and/or submittals and deliverables.
- 6) Attend and participate in progress meetings as required and as coordinated and conducted by the Engineer.
- 7) Advertise and award, as assisted and recommended by the Engineer, construction contracts for the PS&E developed by the Engineer.
- 8) Attend pre-bid and pre-construction conferences coordinated and conducted by the Engineer.
- 9) Review and approve monthly and final estimates, developed by the Engineer, for payment to the Contractor. Compensate and pay the Contractor for work performed as identified in the approved monthly and final estimates.
- 10) Provide assistance to Engineer where necessary and possible with Owner information/resources to ensure project is completed within timely/efficient basis.

**ILLUMINATION DESIGN SERVICES
FEE PROPOSAL FOR PHASE I
October 2008**

TASK 1.0 DESIGN	\$23,000.00
TASK 2.0 CONSTRUCTION MANAGEMENT SERVICES	\$3,230.00
TOTAL PROJECT FEE	\$26,230.00