

HIDALGO COUNTY

General Engineering Services

Contract # C-06-313-09-05

Work Authorization Form

WORK AUTHORIZATION NO. 4

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "Owner," and, TEDSI Infrastructure Group professional engineers of Mission, Texas, hereinafter called "Engineer".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide Design of Jose E. Pulido in Wesmer Colonia, Lucille Ave. and Alma Ave. in Mid Valley Estates Colonia under Precinct No. 1 - Road and Bridge funded projects, Hidalgo County, Texas .

PART 2. ESTIMATED COST

The Lump Sum cost for services under this Work Authorization is \$7,187.04.

PART 3. PAYMENT

Compensation and lump sum payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Article 5 & 6 of the Agreement.

PART 4. FUNDING

This Work Authorization No.4 shall be funded through funding source:

Account No. 7-1201-431-00-121-005-0-734

Requisition Number 00116071 (MUST BE INCLUDED AFTER CC APPROVAL)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scope of the work authorization.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by Hidalgo County Precinct No. 1 Commissioner Sylvia Handy as to content and detail of this Work Authorization No. # 4.

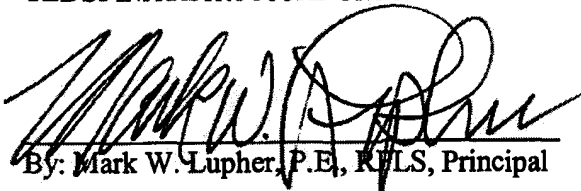
HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: _____

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below and effective as of _____ day of _____, 2007.

THE ENGINEER:
TEDSI INFRASTRUCTURE GROUP


By: Mark W. Luper, P.E., R/LS, Principal

THE OWNER:
HIDALGO COUNTY

By: Juan D. Salinas, County Judge

ATTEST:

By: Arturo Guajardo, Jr., County Clerk

EXHIBIT "A"

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 **Project**.

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.
- 11) Provide Engineer with Geotechnical Data of existing pavement thickness.

EXHIBIT "B"

Services to be Provided by the Engineer

The work to be furnished by the Engineer shall consist of management and engineering services for street improvements in Hidalgo County. 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 - FINAL DESIGN AND PLANS, SPECIFICATIONS, AND ESTIMATES (PS&E) FOR COLONIA ACCESS
- II. CONSTRUCTION PHASE - CONSTRUCTION MANAGEMENT, & SUPPORT & INSPECTIONS

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. These documents will be submitted to the applicable city, county, state, and/or federal agencies for approval.

All final plan sheets will be developed by the Engineer on 11" X 17" reproducible, 4 mil, double-matte, white, opaque film.

Recognizing that there will be several team members participating in the development of the overall Project, and taking into consideration that the Owner has a significant investment in the development of the Project, there is need for consistency in document development for the purpose of review and production to help facilitate an economically efficient product. All computer document files furnished to the Owner by the Engineer shall be furnished on a CD-ROM created utilizing DOS software. Retrieval documentation relating to file storage on the designated delivery media shall be prepared by the Engineer and provided to the Owner. It is the intent of the Engineer and this Agreement to secure computer files from all Project Team members that are composed of elements of the same precision, integrity, singularity, attributes.

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.

Plan Sheets. Plan sheets developed by the Engineer will include, but not limited to, title sheet, typical sections, sequence of construction, estimates and quantity, plan-profile, channel details, roadway details, bridge and culvert details, hydraulic details, and standards.

Specifications

The Engineer shall use the 1993 Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges. Other specifications may be developed by the Engineer, but must incorporate, references to standard TXDOT requirements of design & testing procedures and Hidalgo County Subdivision Required Standards.

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

Roadway Design Controls

The Engineer will prepare the roadway design for the Project or portions of the Project as authorized by the Owner. The roadway design will be submitted to the applicable city, county, state, and/or federal agencies for approval.

Roadway design controls will include:

- 1) Geometric design – horizontal and vertical alignments, intersection geometrics; to be incorporated onto plan and profile sheets.
- 2) Geometric and grading design – development of typical roadway sections through horizontal and vertical alignment determination and roadway cross sections.
- 3) Grading design – existing and design cross sections, cut/fill quantities, slope stability analysis, embankment foundation stability and settlement analysis.
- 4) Earthwork Quantities – obtained from grading design.
- 5) Miscellaneous supplemental plan details.

Drainage

The Engineer will provide for positive drainage design for the proposed improvements of the Project or portions of the Project as authorized by the Owner.

Signing

The Engineer will determine location and type of warning, regulatory and guide signs as required by the Hidalgo County Subdivision Standards or local Municipal standards as applicable. All signing design will be based on the final proposed roadway design.

Permanent Pavement Markings

The Engineer with the Owner will evaluate the need for pavement markings and design all permanent pavement markings in accordance with the Hidalgo County Subdivision Standard or Local Municipal Standards as applicable. All such design will be based on the final proposed roadway design.

Miscellaneous

If required for the Project or portion of the Project approved by the Owner, the Engineer will provide the following miscellaneous roadway items:

Miscellaneous Drafting, Standards, and Details

- 1) The Engineer will prepare a title sheet indicating, at a minimum, project limits, project location map, name of owner and owner acknowledgement/acceptance, facility identification, specification reference, Engineer's seal, signature and date.
- 2) The Engineer will determine appropriate standard drawings to be incorporated into the plans, and sign/seal any modifications to any agency or industry-approved standards.
- 3) The Engineer will develop any details to clarify any construction requirements of the plan drawings.

PS&E Supporting Documents

- 4) Specifications List and general Notes. The Engineer will prepare an applicable specification list, in TXDOT format, as well as any general notes that may be applicable to each PS&E submission.
- 5) 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.
- 6) Contract Time Determination Statement. The Engineer will determine the time required for construction of the project, outlining phases of construction and appropriate rates of production and construction for bid items determined to be in the critical path for construction of the PS&E submittal.

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 field verify quantities installed, 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) Shop Drawings. The Engineer will review and check all shop or working drawings furnished by the Contractor.
- 9) 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.
- 10) As Built Drawings. The Engineer will develop as built drawings to depict the work as actually constructed. The Owner will be furnished one (1) set of prints.

EXHIBIT "D"

Fee Breakdown

For and in consideration of the **Services** attached to this Agreement and to be rendered by the **Engineer**, the **Owner** shall pay the **Engineer** the **Fee** as defined in Article 5.1 of this Agreement, and as more particularly identified as follows:

Lump Basic Services Fee	=	\$7,187.04
PHASE I	=	\$6,588.12
PHASE II	=	\$598.92



Print - Close Window

From: "Mark Lupher" <MLupher@tedsi.com>
To: "Lettysaenz (lettysaenz@yahoo.com)" <lettysaenz@yahoo.com>
Date: Tue, 18 Dec 2007 08:15:08 -0600
Subject: FW: Emailing: Part Exec WA#4.PDF

From: Mark Lupher
Sent: Monday, December 17, 2007 8:51 PM
To: Noe Montez (noe.montez@co.hidalgo.tx.us)
Subject: FW: Emailing: Part Exec WA#4.PDF

Attachments

Files:

 Part_Exec_WA_4.PDF (139k)
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