

HIDALGO COUNTY
Professional Engineering Services
Contract # C-11-042-01-25
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, **Millennium Engineers Group, Inc.**, professional engineers of Edinburg, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide

Construction Materials Engineering Services for South Tower Road (Hall Acres Rd. to Rancho Blanco Rd.)

The scope of services to be provided by the **Owner** is identified in **EXHIBIT "A"** – **Scope of Services to be Provided by the Owner** attached hereto.

The scope of services to be provided by the **Engineer** is identified in **EXHIBIT "B"** – **Scope of Services to be Provided by the Engineer** attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$21,349.00**
This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D"**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with **Article/Part/Section**____ of the Agreement.

PART 4. FUNDING

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

Account No. 1-1339-431-00-122-031-0-731

Requisition Number #207141 (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 scopes 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** _____,
Commissioner Hector Palacios as to content and detail of this **Work**
Authorization No. 4

HIDALGO COUNTY


BY: Commissioner Hector Palacios

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 _____, 2011.

THE ENGINEER:

**THE OWNER:
HIDALGO COUNTY**



By: Raul Palma, President

By: Ramon Garcia, County Judge

ATTEST:

By: Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS

ATTACHMENT "A" - Services to be Provided by the Owner
ATTACHMENT "B" - Services to be Provided by the Engineer
ATTACHMENT "C" - Work Schedule
ATTACHMENT "D" - Cost Proposal

ATTACHMENT “A”

Services To Be Provided By The Owner

EXHIBIT "A"
SERVICES TO BE PROVIDED BY THE OWNER/COUNTY

The following provides an outline of the services to be provided by the **Owner** in the development of **Projects** (as defined and more particularly identified in **EXHIBIT "B"** attached to this Agreement).

General

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

- (1) Provide the authorization to proceed with services through coordination with the project consulting and design Engineer.
- (2) Payment for work performed by the **Engineer** and accepted by the **Owner** in accordance with Article 3 of this Agreement.
- (3) Assistance to the **Engineer**, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies that the **Engineer** cannot easily obtain.
- (4) Provide any available relevant data the **Owner** may have on file concerning the projects.
- (5) Provide timely review and decisions in response to the **Engineer's** request for information and/or required submittals and deliverables, in order for the **Engineer** to maintain the work schedule agreed upon.
- (6) Attend and participate in progress meetings as required and as coordinated and conducted by the **Engineer**.
- (7) Provide the authorization to proceed with services on project by project basis through consulting design and construction engineer.

ATTACHMENT “B”

Services To Be Provided By The Engineer

EXHIBIT "B"
SCOPE OF SERVICES
TO BE PROVIDED BY THE ENGINEER

The services to be provided by the ENGINEER in providing geotechnical engineering services, construction materials testing services, construction inspection services and environmental services for Hidalgo County Projects is as follows:

A. Preliminary Phase:

- (1) Attend preliminary conferences with the OWNER and, if requested, with the funding agency and other government agencies or interested parties regarding the Project.
- (2) Provide for the necessary geotechnical investigation and testing necessary to develop the design.
- (3) Provide environmental studies as may be necessary to complete a project.
- (4) Provide assistance to the OWNER in providing material requirements and specifications for design, construction and maintenance projects.
- (5) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
- (6) Provide assistance to the OWNER in providing pavement rehabilitation recommendations for the design, construction and maintenance projects.
- (7) Provide assistance to the OWNER in providing pavement condition studies.

B. Design Phase:

- (1) Attend the OWNER'S and respective Party's meeting as requested for the purpose of explaining geotechnical investigation report recommendations and preliminary testing results and their impact to proposed design activities.
- (2) Perform any additional geotechnical investigations, testing and environmental studies necessary to collect information required in the design of the Project.
- (3) Provide assistance to the OWNER in providing material requirements and specification for design, construction and maintenance projects.
- (4) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
- (5) Provide assistance to the OWNER in providing pavement rehabilitation recommendations for the design, construction and maintenance projects.
- (6) Provide assistance to the OWNER in providing pavement condition studies.
- (7) Furnish the OWNER all necessary reports for preliminary design, design, construction and maintenance projects.

C. Construction/Maintenance Phase:

- (1) Attend the OWNER'S and respective Party's pre-construction and construction meetings as requested for the purpose of explaining geotechnical investigation report recommendations and preliminary testing results and their impact to proposed construction activities and establish coordination and lines of communication for proposed construction materials testing during construction activities.
- (2) Consult and advise with the OWNER during construction.
- (3) Provide construction materials testing for construction and maintenance projects as required by the project plans and specifications and/or specified by the project design engineer.
- (4) Review all material designs as requested by the OWNER and/or project design engineer.
- (5) Furnish the OWNER all necessary reports for construction and maintenance projects.
- (6) Provide construction inspection services as requested by the OWNER on construction and maintenance projects

ATTACHMENT “C”

Work Schedule

ATTACHMENT "C"

Work Schedule

Millennium Engineers Group, Inc. will go out to site on an as-needed basis to perform testing services. Services will be provided as requested by project personnel. A 24-hour notice will be required from project personnel.

ATTACHMENT “D”

Cost Proposal



Proposal

Date	Proposal No.
12/6/2011	01-11-197M

Millennium Engineers Group, Inc.
 PO Box 4569
 Edinburg, Texas 78540-4569

Name / Address
Hidalgo County Precinct 2 300 West Hall Acres Suite G. Pharr, Texas 78577 Contract No. 11-042-01-25

Project Name
S. Tower Rd - Hall Acres to Rancho Blanco

Description	Qty	Cost	Total
Atterberg Limits (each test)	9	61.00	549.00
Sieve Analysis - Dry through No. 40 (each test)	3	55.00	165.00
Wet Ball Mill (each test)	3	185.00	555.00
Moisture Density Relationship - Standard Proctor (each test)	6	175.00	1,050.00
Nuclear Density Test - Soils (each test)	54	22.00	1,188.00
Air Content of Fresh Concrete (Pressure)	9	20.00	180.00
Concrete Cylinder Compressive Strength Test (each cylinder)	36	16.00	576.00
Extraction and Gradation, Percent Asphalt (per test)	6	225.00	1,350.00
Asphalt Cores (each core)	12	60.00	720.00
Theoretical Maximum Specific Gravity of Mixtures (per test)	6	60.00	360.00
Nuclear Density Test - Asphalt (per test)	6	22.00	132.00
Soils Engineering Technician (per hour)	66	41.00	2,706.00
Concrete Engineering Technician (per hour)	45	44.00	1,980.00
Asphalt Engineering Technician (per hour)	48	44.00	2,112.00
Vehicle Trip Charge (Soils) (per trip)	33	37.00	1,221.00
Vehicle Trip Charge (Concrete) (per trip)	18	37.00	666.00
Vehicle Trip Charge Asphalt (per trip)	12	37.00	444.00
Project Engineer (per hour)	12	105.00	1,260.00
Project Management (per hour)	15	67.00	1,005.00
Clerical/Administrative (per hour)	31	40.00	1,240.00
Test Report (each)	63	30.00	1,890.00
MEG Appreciates The Opportunity to Serve You. Local People Helping To Build The Rio Grande Valley.		Total	\$21,349.00

RECEIVED

DFC 06 2011

Per May