

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-08-472-03-24**  
**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 Testing for the following projects located in Precinct # 4:**

- 1) Sunflower Road
- 2) Sandy Ridge Road
- 3) Trenton Road

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 **\$12,850.00.** 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. \_\_\_\_\_

Requisition Number \_\_\_\_\_ (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 Precinct # 4**, Commissioner Oscar Garza as to content and detail of this **Work Authorization No. 4**

**HIDALGO COUNTY  
COMMISSINER PRECINCT NO. 4 – Oscar Garza**

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 \_\_\_\_\_, 2010.

**THE ENGINEER:**

**THE OWNER:  
HIDALGO COUNTY**

  
\_\_\_\_\_  
By: Raul Palma

\_\_\_\_\_  
By: Rene Ramirez  
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

**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**

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"**

"Proposal"

HIDALGO COUNTY PRECINCT 4

Contract # **C-08-472-03-24**

WORK AUTHORIZATION NO 4 -- TOTAL AMOUNT BREAKDOWN

Proposal No.	Project Description	Estimated Amount
01-10-108	Sunflower Road	\$ 5,760.00
01-10-109	Sandy Ridge Road	\$ 2,600.00
01-10-110	Trenton Road	\$ 4,490.00
	<i>Total Amount</i>	<i>\$ 12,850.00</i>



Consultants - Geotechnical - Testing

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

# Proposal

Date	Proposal No.
2/5/2010	01-10-108

Name / Address
Hidalgo County Precinct 4 Commissioner Oscar Garza 1102 N. Doolittle Rd Edinburg, Texas 785418

Project Name
Sunflower Road

Description	Qty	Cost	Total
Atterberg Limits	2	59.00	118.00
Gradation (Dry)	1	50.00	50.00
Passing No. 200 Sieve	1	42.00	42.00
Standard Proctor	1	175.00	175.00
Modified Proctor	1	185.00	185.00
Field Density (Soils)	33	22.00	726.00
Wet Ball Mill	1	175.00	175.00
Extraction, Grad. and % Asphalt	1	225.00	225.00
Asphalt Cores	10	55.00	550.00
Vehicle Trip Charge	13	35.00	455.00
Engr. Technician	36	40.00	1,440.00
Engr. Technician (Asphalt)	8	43.00	344.00
Principal Engineer	2	125.00	250.00
Test Report	10	30.00	300.00
Clerical/Administrative	10	40.00	400.00
Project Management & Coordination	5	65.00	325.00
Helping to Build the Rio Grande Valley		<b>Total</b>	<b>\$5,760.00</b>



Consultants - Geotechnical - Testing

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

# Proposal

Date	Proposal No.
2/5/2010	01-10-109

Name / Address
Hidalgo County Precinct 4 Commissioner Oscar Garza 1102 N. Doolittle Rd Edinburg, Texas 785418

Project Name
Sandy Ridge Road

Description	Qty	Cost	Total
Atterberg Limits	2	59.00	118.00
Gradation (Dry)	1	50.00	50.00
Passing No. 200 Sieve	1	42.00	42.00
Standard Proctor	1	175.00	175.00
Modified Proctor	1	185.00	185.00
Field Density (Soils)	4	22.00	88.00
Wet Ball Mill	1	175.00	175.00
Extraction, Grad. and % Asphalt	1	225.00	225.00
Asphalt Cores	2	55.00	110.00
Vehicle Trip Charge	5	35.00	175.00
Engr. Technician	12	40.00	480.00
Engr. Technician (Asphalt)	4	43.00	172.00
Principal Engineer	1	125.00	125.00
Test Report	5	30.00	150.00
Clerical/Administrative	5	40.00	200.00
Project Management & Coordination	2	65.00	130.00
Helping to Build the Rio Grande Valley		<b>Total</b>	\$2,600.00



# Proposal

Date	Proposal No.
2/5/2010	01-10-110

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

<b>Name / Address</b>
Hidalgo County Precinct 4 Commissioner Oscar Garza 1102 N. Doolittle Rd Edinburg, Texas 785418

<b>Project Name</b>
Trenton Road

Description	Qty	Cost	Total
Atterberg Limits	2	59.00	118.00
Gradation (Dry)	1	50.00	50.00
Passing No. 200 Sieve	1	42.00	42.00
Standard Proctor	1	175.00	175.00
Modified Proctor	1	185.00	185.00
Field Density (Soils)	18	22.00	396.00
Wet Ball Mill	1	175.00	175.00
Extraction, Grad. and % Asphalt	1	225.00	225.00
Asphalt Cores	6	55.00	330.00
Vehicle Trip Charge	10	35.00	350.00
Engr. Technician	27	40.00	1,080.00
Engr. Technician (Asphalt)	8	43.00	344.00
Principal Engineer	1	125.00	125.00
Test Report	10	30.00	300.00
Clerical/Administrative	10	40.00	400.00
Project Management & Coordination	3	65.00	195.00
Helping to Build the Rio Grande Valley		<b>Total</b>	\$4,490.00