

**L & G Engineering Laboratory**

**Construction Material Testing  
Geotechnical Engineering**

February 22, 2007

Mr. Rumaldo Munoz Jr.  
County of Hidalgo, Precinct No. 4  
1102 N. Doolittle Road  
Edinburg, Texas 78541

RECEIVED  
FEB 23 2007

BY: 

**RE: Work Authorization No. 6 / Skinner, Sunflower, & Mile 20 Road Construction Projects**

Dear Mr. Munoz:

L&G Engineering Laboratory, L.L.C. (L&G), is thankful for providing you two (2) signed original work authorization forms for Construction Materials Testing Services for the referenced project as per your request. We are attaching the following in duplicate:

- Work Authorization No. 6
- The Scope of Services (Owner) (Attachment A)
- The Scope of Services (Engineer) (Attachment B).
- Work Schedule (Attachment C)
- Project Cost Proposal (Attachment D)

L & G Engineering Laboratory, L.L.C. appreciates the opportunity to submit Work Authorization No. 6 and look forward to working with Hidalgo County Pct. 4. If I may be of any additional assistance or any additional information is required, please feel free to contact me at 956-565-0760 or 956-463-2008.

Sincerely,  
L&G ENGINEERING LABORATORY, L.L.C.

  
Ricardo A. Gil  
Laboratory Manager

Attachments

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-05-253-07-19**  
**Work Authorization Form**

**RECEIVED**  
FEB 23 2007

BY: \_\_\_\_\_  
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**WORK AUTHORIZATION NO. 06**

**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, L&G Engineering Laboratory, LLC, professional engineers of Mercedes, Texas, hereinafter called "**Engineer**".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the **Engineer** to provide Construction Materials Testing Services for the Skinner, Sunflower, and Mile 20 Road Construction Projects in Hidalgo County Precinct No. Four (4).

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 \$ 3231.03. 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 5.1 of the Agreement.

**PART 4. FUNDING**

This Work Authorization No. 06 shall be funded through funding source: Account No. 7-1204-431-00-124-007-0-731.  
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 or (DATE).

**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. 4 Commissioner Oscar L. Garza Jr. as to content and detail of this Work Authorization No. # 06.

HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 4:

BY Oscar L. Garza Jr.

**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 \_\_\_\_\_, 2006.

THE ENGINEER:  
L&G ENGINEERING LABORATORY, LLC

THE OWNER:  
HIDALGO COUNTY

Jacinto Garza  
By: Jacinto Garza

Juan D. Salinas III  
By: Juan D. Salinas III, Count Judge

ATTEST:

Arturo Guajardo Jr.  
by: Arturo Guajardo Jr., County Clerk

**LIST OF ATTACHMENTS**

- ATTACHMENT "A" - Service 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"**  
**Scope of Services (Owner)**

***PROJECT:*** Skinner, Sunflower, and Mile 20 Road Construction Projects in Hidalgo County Precinct No. Four (4)

***SERVICES TO BE PROVIDED BY OWNER***

The County of Hidalgo will provide **L&G Engineering Laboratory, LLC** with **Construction Documents, Plans and Specifications** for the **Skinner, Sunflower, and Mile 20 Road Construction Projects in Hidalgo County Precinct No. Four (4)**.

**ATTACHMENT "B"**  
**Scope of Services (Engineer)**

**PROJECT: Skinner, Sunflower, and Mile 20 Road, Edinburg, Texas in Hidalgo County Precinct No. Four (4)**

***GENERAL SCOPE OF WORK***

The Scope of Work will entail providing **The County of Hidalgo** with **Construction Materials Testing Services**.

The Scope of Work is identified as follows:

- **Construction Materials Testing Services**

L&G Engineering Laboratory will furnish all equipment, materials, supplies, and incidentals as needed to perform the services required by this Contract: The work is as follows:

**Construction Materials Testing Services**

L&G Engineering Laboratory, L.L.C. will provide **The County of Hidalgo** with **Construction Materials Testing Services** for the **Skinner, Sunflower, and Mile 20 Road Construction Projects in Hidalgo County Precinct No. Four (4)**.

The services to be provided are as follows:

- Sampling and laboratory testing of soils and base materials proposed for use in the construction of Roads and Bridges to determine compliance of these materials with project plans and specifications.
- Field density testing of soils and base materials to ensure proper compaction as required by project plans and specifications.
- Field sampling and testing of fresh concrete, and Laboratory testing of hardened concrete to determine compliance with project plans and specifications.
- Field Compaction testing of Asphalt to ensure proper compaction during lay down operations.
- Field inspection, sampling and laboratory testing of Asphalt materials to determine their materials properties and their compliance with project plans and specifications.

- Any additional laboratory testing as required/requested by **The County of Hidalgo and the project plans and specifications.**
- Provide accurate and timely reports to **The County of Hidalgo** and all/other recipients as designated by the County.

### **Engineering Services**

L&G Engineering Laboratory, L.L.C. will provide an engineer's review of all test results to determine compliance with all project plans and specifications.

### **Scheduling of Services**

L & G Engineering Laboratory is prepared to make a commitment to **The County of Hidalgo's** materials testing needs. L & G Engineering Laboratory makes every effort to respond to its clients as requests are received, and every effort will be made to keep scheduling conflicts to a minimum. As any other firm or business providing a service, L & G Engineering Laboratory prefers to schedule field and laboratory work with as much advance notice as possible. L & G Engineering Laboratory understands; however, that certain situations may occur when the Client may have a need for Materials Testing Services with as little or no advance notice. During these instances, L & G Engineering Laboratory will make every effort to dispatch personnel to the project within one (1) hour of the Client's request for services.

**ATTACHMENT "C"**  
**Work Schedule**

***PROJECT:*** Skinner, Sunflower, and Mile 20 Road Construction Projects in Hidalgo County Precinct No. Four (4)

***Work Schedule***

**L&G Engineering Laboratory will provide Hidalgo County Pct. # 4 with Construction Materials Testing Services as outlined in Contract Agreement C-05-253-07-19.**

**ATTACHMENT "D"**  
**Cost Proposal**

***PROJECT:*** Skinner, Sunflower, and Mile 20 Road Construction Projects in Hidalgo County Precinct No. Four (4).

**See Attached**

**L & G Engineering Laboratory**

**Construction Material Testing  
Geotechnical Engineering**

**Attachment I**

**Skinner, Sunflower and Mile 20 (total 7,920 LF of Roadway)  
Prepared For Hidalgo County Pct. No. 4**

Tech Time	3	Hrs.	\$40.55	\$121.65	
Trip Charge	50	Mi.	\$0.42	\$21.00	
Sieve Analysis	1	Ea.	\$50.60	\$50.60	based on
Texas Wet Ball Mill	1	Ea.	\$197.00	\$197.00	1 trips
Moisture-Density Determ	1	Ea.	\$174.45	\$174.45	to pick up
Engineering SPC.	0.5	Hr.	\$101.25	\$50.63	one base mtl
Reports	2	Ea.	\$18.00	\$36.00	sample
			Sub.	<u>\$651.33</u>	
Tech Time	24	Hrs.	\$40.55	\$973.20	based on
Trip Charge	500	Mi.	\$0.42	\$210.00	10 trips
Comp. Test	30	Ea.	\$13.55	\$406.50	to perform
Engineering Spc.	8	Ea.	\$101.25	\$810.00	field density
Reports	10	Ea.	\$18.00	\$180.00	testing on Caliche
			Sub.	<u>\$2,579.70</u>	(1 eight inch layer)

**Total Estimated Materials Testing Fees**

**\$3,231.03**