

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-12-122-06-12**  
**Work Authorization Form**

**WORK AUTHORIZATION NO. 2**

**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 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 FM 1017 Rd. Expansion Project 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 \$ 5,647.67. 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. 2 shall be funded through funding source:  
Account No. 3-1342-431-00-124-122-0-841  
Requisition Number 233758 (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).

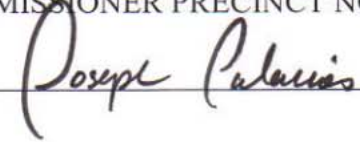
**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

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 Joseph Palacios as to content and detail of this Work Authorization No. #2.

HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 4:

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 \_\_\_\_\_, 2013.

THE ENGINEER:  
L&G ENGINEERING LABORATORY, LLC

THE OWNER:  
HIDALGO COUNTY

  
By: Jacinto Garza, P.E.

\_\_\_\_\_  
Hon. Ramon Garcia, County Judge

ATTEST:

\_\_\_\_\_  
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: "FM 1017 Rd. Expansion" Project 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 ***"FM 1017 Rd. Expansion" Project In Hidalgo County Precinct No. Four (4)***

ATTACHMENT "B"  
Scope of Services (Engineer)

**PROJECT: "FM 1017 Rd. Expansion" Project 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 **"FM 1017 Rd. Expansion" Project 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: "FM 1017 Rd. Expansion" Project 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-12-122-06-12.**

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

***PROJECT: "FM 1017 Rd. Expansion" Project In Hidalgo County Precinct No. Four (4)***

**See Attached**

**Attachment "D"**  
**FM 1017 Rd. Expansion Project (Approx. 8000 I.f.)**  
**Prepared for Hidalgo County Pct No. 4**

<i>Salvaged Base Material Testing - Laboratory Testing</i>					
Tech Time	3	Hrs.	\$46.44	\$139.32	
Trip Charge	40	Mi.	\$0.51	\$20.40	1
Atterberg	1	Ea.	\$77.32	\$77.32	Site Visits
Moisture-Density Determ	1	Ea.	\$199.78	\$199.78	for
Sieve Analysis	1	Ea.	\$57.98	\$57.98	
Reports	1	Ea.	\$22.90	\$22.90	Sample
Eng. Spec.	0.25	Hrs.	\$116.01	\$29.00	Pickup
Engineer	0.25	Hrs.	\$154.76	\$38.69	
			<b>Sub.</b>	<b>\$585.39</b>	
<i>Salvaged Base Material - Field Density Testing</i>					
Tech Time	30	Hrs.	\$46.44	\$1,393.20	
Trip Charge	500	Mi.	\$0.51	\$255.00	10 site visits
Comp. Test	30	Ea.	\$23.21	\$696.30	to perform
Reports	30	Ea.	\$22.90	\$687.00	testing
Eng. Spec.	7.5	Hrs.	\$116.01	\$870.08	
Engineer	7.5	Hrs.	\$154.76	\$1,160.70	
			<b>Sub.</b>	<b>\$5,062.28</b>	

**Estimated Field and Laboratory Testing Fees \$5,647.67**