

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-13-220-08-13**  
**Work Authorization Form**

**WORK AUTHORIZATION NO. 3**

**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 "San Carlos Community Resource Center" 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 **\$14,963.32**. 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. **3** shall be funded through funding source: Account No. **4-1303-419-40-124-123-0-720**  
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 Joseph Palacios as to content and detail of this Work Authorization No. #3.

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 \_\_\_\_\_, 2014.

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: "San Carlos Community Resource Center" 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 ***San Carlos Community Resource Center Project In Hidalgo County Precinct No. Four (4)***

**ATTACHMENT “B”  
Scope of Services (Engineer)**

**PROJECT: “San Carlos Community Resource Center” 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 **“San Carlos Community Resource Center” 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: "San Carlos Community Resource Center" 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-13-220-08-13.**

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

***PROJECT: "San Carlos Community Resource Center" Project In Hidalgo County Precinct  
No. Four (4)***

**See Attached**

**Attachment "D"**  
**L&G Engineering Laboratory, LLC**  
**San Carlos Community Resource Center**  
**Prepared for Hidalgo County Precinct No. 4**

<b><i>In-Situ Soils Testing-Laboratory-Building Subgrade</i></b>					
Standard Proctor	2	Ea.	\$202.78	\$405.56	<i>Building Footprint Approx. 9,000 SF</i>
Atterberg Limits of Soils	2	Ea.	\$78.48	\$156.96	
Material Finer #200	2	Ea.	\$65.49	\$130.98	
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	6	Hr.	\$47.14	\$282.84	
Mileage (Trip Charge)	100	Mi.	\$0.52	\$52.00	
Subtotal:				\$1,074.82	
<b><i>In-Situ Soils Testing-Field -Building Subgrade</i></b>					
Field Density Test	12	Ea.	\$23.56	\$282.72	<i>Quantities Based on 2 Visits to Project To perform testing</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Soils)	6	Hr.	\$47.14	\$282.84	
Mileage (Trip Charge)	200	Mi.	\$0.52	\$104.00	
Subtotal:				\$716.04	
<b><i>Select Fill Soils Testing / Slab - Laboratory</i></b>					
Standard Proctor	2	Ea.	\$202.78	\$405.56	<i>Based on 2 Select Fill Samples 2 Additional Atterberg Limits &amp; Minus 200 for Field Verification of Select Fill Materials</i>
Atterberg Limits of Soils	4	Ea.	\$78.48	\$313.92	
Material Finer #200	4	Ea.	\$65.49	\$261.96	
Technician (Soils)	8	Hr.	\$47.14	\$377.12	
Mileage (Trip Charge)	200	Mi.	\$0.52	\$104.00	
Sieve Analysis	1	Ea.	\$58.85	\$58.85	
Test Report	4	Ea.	\$23.24	\$92.96	
Subtotal:				\$1,614.37	
<b><i>Select Fill Soils Testing-Field Testing and Monitoring</i></b>					
Field Density Test	40	Ea.	\$23.56	\$942.40	<i>Based on 10 - 6" Lifts A Minimum of 4 Compaction Test Per Lift or every 3000 Square Feet</i>
Test Report	20	Ea.	\$23.24	\$464.80	
Technician (Soils)	30	Hr.	\$47.14	\$1,414.20	
Mileage (Trip Charge)	500	Mi.	\$0.52	\$260.00	
Subtotal:				\$3,081.40	
<b><i>Concrete Placement - Floor Slabs-Main Building</i></b>					
Air Content(Pressure Method)	4	Ea.	\$23.51	\$94.04	<i>Assuming 2 Placements for a total of 150 cy 1 set Every 150 as per General Notes 4 Cylinders to be Tested for Compression</i>
Test Report	4	Ea.	\$23.24	\$92.96	
Technician (Concrete)	8	Hr.	\$60.18	\$481.44	
Mileage (Trip Charge)	100	Mi.	\$0.52	\$52.00	
Subtotal:				\$720.44	
Cyl. Spec. Prep, Hold, Cure	16	Ea.	\$11.83	\$189.28	<i>at a Frequency of Two 7 Day and Two 28 Day</i>
Comp. Str. Of Cyl. Specimen	16	Ea.	\$15.68	\$250.88	
Test Reports (7 and 28 day)	8	Ea.	\$23.24	\$185.92	
Technician (Concrete)	6	Hr.	\$60.18	\$361.08	
Mileage (Trip Charge)	100	Mi.	\$0.52	\$52.00	
Subtotal:				\$1,039.16	

**Concrete Placement - Misc. Concrete -Sidewalks**

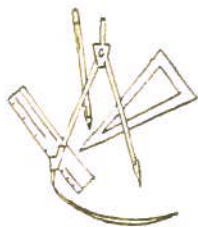
Air Content(Pressure Method)	2	Ea.	\$23.51	\$47.02	<i>Assuming 2 Placements</i>
Test Report	2	Ea.	\$23.24	\$46.48	
Technician (Concrete)	4	Hr.	\$60.18	\$240.72	
Mileage (Trip Charge)	100	Mi.	\$0.52	\$52.00	
			Subtotal:	<u>\$386.22</u>	

Cyl. Spec. Prep, Hold, Cure	8	Ea.	\$11.83	\$94.64	<i>Quantities based on sample pickup an deliver to laboratory for Compression Testing</i>
Comp. Str. Of Cyl. Specimen	8	Ea.	\$15.68	\$125.44	
Test Reports (7 and 28 day)	4	Ea.	\$23.24	\$92.96	
Technician (Concrete)	6	Hr.	\$60.18	\$361.08	
Mileage (Trip Charge)	100	Mi.	\$0.52	\$52.00	
			Subtotal:	<u>\$726.12</u>	

**Welding and Bolt Torque Inspection**

Engineering Specialist	9	Ea.	\$117.75	\$1,059.75	<i>Assuming 3 Visits to perform Welding and Bolt Torque Inspection</i>
Mileage (Trip Charge)	150	Mi.	\$0.52	\$78.00	
Test Report	3	Ea.	\$23.24	\$69.72	
			Subtotal:	<u>\$1,207.47</u>	

<b>Estimated Field and Laboratory Test Fees</b>				<b>\$10,566.04</b>
Engineering Specialist (Report Review)(Hr.)	16	\$117.75		\$1,884.00
Engineer-Principal (Report Review)(Hr.)	16	\$157.08		\$2,513.28
<b>Estimated Materials Testing Total</b>				<u><b>\$14,963.32</b></u>



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

January 30, 2014

Commissioner Joseph Palacios  
Attn: Maria "LuLu" Lucio  
Hidalgo County, Precinct No. 4  
1102 N. Doolittle Rd.  
Edinburg, Texas 78539

**RE: Work Authorization No. 3 – "San Carlos Community Resource Center" Project In Hidalgo County Precinct No. Four (4)**

Dear Ms. Lucio:

**L&G Engineering Laboratory, L.L.C. (L&G)**, is 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. 3
- 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, LLC** appreciates the opportunity to submit Work Authorization No. 3 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  
General Manager

Attachments