

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

**WORK AUTHORIZATION NO. 5**

**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 the "Renovations to Former Administration Bldg" 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 **\$2,838.93**. 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. 5 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 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. #5.

HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 4:

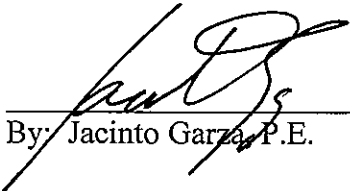
BY: \_\_\_\_\_

**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: "Renovations to Former Admin. Bldg" 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 ***"Renovations to Former Admin. Bldg." In Hidalgo County Precinct No. Four (4)***

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

***PROJECT: “Renovations to Former Admin. Bldg” 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 **“Renovations to Former Admin. Bldg.” 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 acceptance testing of fresh concrete, and Laboratory testing of hardened concrete to determine compliance with project plans and specifications. The following will not be inclusive of the Scope of Services unless it is otherwise requested:
  - Design Submittal Review
  - Trial Batch to Verify Concrete Design prior to placement
  - Concrete Batch Plant Inspection
- 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 material 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.

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### **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: "Renovations to Former Admin. Bldg." 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: "Renovations to Former Admin. Bldg." In Hidalgo County Precinct No. Four (4)***

**See Attached**

**Attachment "D"**  
**L&G Engineering Laboratory, LLC**  
**Renovations to former Admin. Bldg.**  
**Prepared for Hidalgo County Precinct No. 4**

<b>Concrete Placement-2nd Floor Mezzanine</b>					
Air Content(Pressure Method)	2	Ea.	\$23.51	\$47.02	<i>Assuming 1 Placement</i>
Test Report	1	Ea.	\$23.24	\$23.24	
Technician (Concrete)	6	Hr.	\$60.18	\$361.08	
Mileage (Trip Charge)	100	Mi.	\$0.52	\$52.00	
			Subtotal:	\$483.34	
Cyl. Spec. Prep, Hold, Cure	8	Ea.	\$11.83	\$94.64	<i>Quantities based on sample pickup an deliver to laboratory for Compression Testing and reporting</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:	\$726.12	
<b>Welding/Steel Inspection-2nd Floor Mezzanine</b>					
Test Report	2	Ea.	\$23.24	\$46.48	<i>estimate 2 visits to project to perform inspection</i>
Engineering Specialist	6	Hr.	\$117.75	\$706.50	
Mileage (Trip Charge)	100	Mi.	\$0.52	\$52.00	
			Subtotal:	\$804.98	

Estimated Field and Laboratory Test Fees			\$2,014.44
Engineering Specialist (Report Review)(Hr.)	3	\$117.75	\$353.25
Engineer-Principal (Report Review)(Hr.)	3	\$157.08	\$471.24
Estimated Materials Testing Total			\$2,838.93