

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-9-177-05-26**  
**Work Authorization Form**

**WORK AUTHORIZATION NO. 05**

**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 Hidalgo County Pct. 3 – Citrus Shadows, Los Ninos, Stewart Palms & Val Verde Acres Subdivisions.

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 **\$13,271.38**. 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.05 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).



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

***PROJECT:* Citrus Shadows, Los Ninos, Stewart Palms & Val Verde Acres Subdivisions  
Project in Hidalgo County Precinct No. Three (3)**

***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 Citrus Shadows, Los Ninos, Stewart Palms & Val Verde Acres Subdivisions Construction Project.**

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

**PROJECT: Citrus Shadows, Los Ninos, Stewart Palms & Val Verde Acres Subdivisions  
Project in Hidalgo County Precinct No. Three (3)**

***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 Citrus Shadows, Los Ninos, Stewart Palms & Val Verde Acres Subdivisions.

**Project in Hidalgo County Precinct No. Three (3).**

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:* Citrus Shadows, Los Ninos, Stewart Palms & Val Verde Acres Subdivisions  
Project in Hidalgo County Precinct No. Three (3)**

***Work Schedule***

**L&G Engineering Laboratory will provide Hidalgo County Pct. # 3 with Construction  
Materials Testing Services as outlined in Contract Agreement C-09-177-05-26.**

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

***PROJECT:* Citrus Shadows, Los Ninos, Stewart Palms & Val Verde Acres Subdivisions  
Project in Hidalgo County Precinct No. Three (3).**

**(See Attached)**

## Attachment "D"

### Citrus Shadows, Los Ninos, Stewart Palms and Val Verde Acres Subdivisions Prepared For Hidalgo County Pct. No. 3

<b><i>Subgrade Testing (Roadway and Driveways) - Laboratory</i></b>				
Tech Time	6	Hrs.	\$44.40	\$266.40
Trip Charge	24	Mi.	\$0.48	\$11.52
Atterberg	2	Ea.	\$73.95	\$147.90
Moisture-Density Determ	2	Ea.	\$191.05	\$382.10
Reports	2	Ea.	\$21.90	\$43.80
Eng. Spec.	0.5	Hrs.	\$110.95	\$55.48
Engineer	0.5	Hrs.	\$148.00	\$74.00
Sub.				\$981.20
<b><i>Subgrade Field Density Testing (Roadway and Driveways)</i></b>				
Tech Time	24	Hrs.	\$44.40	\$1,065.60
Trip Charge	96	Mi.	\$0.48	\$46.08
Comp. Test	32	Ea.	\$22.20	\$710.40
Reports	8	Ea.	\$21.90	\$175.20
Eng. Spec.	4	Hrs.	\$110.95	\$443.80
Engineer	4	Hrs.	\$148.00	\$592.00
Sub.				\$3,033.08
<b><i>Roadway Base Materials Testing (Roadway and Driveways) - Laboratory</i></b>				
Tech Time	3	Hrs.	\$44.40	\$133.20
Trip Charge	12	Mi.	\$0.48	\$5.76
Sieve Analysis	1	Ea.	\$55.45	\$55.45
Texas Wet Ball Mill	1	Ea.	\$215.85	\$215.85
Atterberg	1	Ea.	\$73.95	\$73.95
Moisture-Density Determ	1	Ea.	\$191.05	\$191.05
Reports	1	Ea.	\$21.90	\$21.90
Eng. Spec.	0.5	Hrs.	\$110.95	\$55.48
Engineer	0.5	Hrs.	\$148.00	\$74.00
Sub.				\$826.64
<b><i>Base Material Field Density Testing (Roadway and Driveways)</i></b>				
Tech Time	24	Hrs.	\$44.40	\$1,065.60
Trip Charge	96	Mi.	\$0.48	\$46.08
Comp. Test	32	Ea.	\$22.20	\$710.40
Reports	8	Ea.	\$21.90	\$175.20
Eng. Spec.	4	Hrs.	\$110.95	\$443.80
Engineer	4	Hrs.	\$148.00	\$592.00
Sub.				\$3,033.08

**Asphalt Testing-Field and Laboratory (Roadway and Driveways)**

Tech Time	12	Hrs.	\$56.70	\$680.40
Trip Charge	36	Mi	\$0.48	\$17.28
Rolling Patterns	4	Ea.	\$37.00	\$148.00
Laboratory Molded (ga)	2	Pr.	\$67.80	\$135.60
%AC-Grad	2	Ea.	\$215.80	\$431.60
Reports	6	Ea.	\$21.90	\$131.40
Asphalt Thickness	9	Ea.	\$61.70	\$555.30
Eng. Spec.	2	Hrs.	\$110.95	\$221.90
Engineer	2	Hrs.	\$148.00	\$296.00

Sub. \$2,617.48

**Concrete Placement - Driveways**

Tech. (Concrete)	10	Hr.	\$56.70	\$567.00
Trip Charge (LS)	36	Mi.	\$0.48	\$17.28
Air Content	3	Ea.	\$22.15	\$66.45
Report	3	Ea.	\$21.90	\$65.70
Eng. Spec.	2	Hrs.	\$110.95	\$221.90
Engineer	2	Hrs.	\$148.00	\$296.00

Sub. \$1,234.33

Tech. (Concrete)	10	Hr.	\$56.70	\$567.00
Trip Charge (LS)	36	Mi.	\$0.48	\$17.28
Hold, Cure	12	Ea.	\$11.15	\$133.80
Compression Test	12	Ea.	\$14.85	\$178.20
Test Reports (7 and 28 day)	6	Ea.	\$21.90	\$131.40
Eng. Spec.	2	Hrs.	\$110.95	\$221.90
Engineer	2	Hrs.	\$148.00	\$296.00

Sub. \$1,545.58

**Estimated Project Total \$13,271.38**