

L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

May 25, 2011

Ms. Norma Ceballos
County of Hidalgo, Pct. #3
724 N. Breyfogle
Mission, Texas 78572

RE: Work Authorization No. 2 for Anzalduas Park Levee Repairs

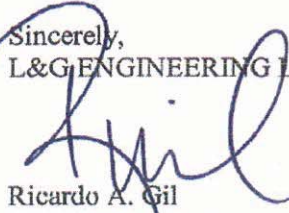
Dear Ms Ceballos:

L&G Engineering Laboratory, L.L.C. (L&G), is pleased to provide 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 #2
- 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. 2 and look forward to working with **Hidalgo County Pct. 3** in the future. If I may be of any additional assistance or any additional information is required, please feel free to contact me at 956-565-0760.

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


Ricardo A. Gil
General Manager

Attachments

HIDALGO COUNTY
Professional Engineering Services
Contract # C-10-251-07-13
Work Authorization Form

WORK AUTHORIZATION NO. 02

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 – Anzalduas Park Levee Repair Project.

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 **\$9,258.60**. 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.02 shall be funded through funding source:
Account No. 2011-1100-452-00-123-008-0-339
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. 3 Commissioner Joe Flores as to content and detail of this Work Authorization No. # 02.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 3:

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 _____, 2011.

THE ENGINEER:
L&G ENGINEERING LABORATORY, LLC

THE OWNER:
HIDALGO COUNTY

By: Jacinto Garza

By: Ramon Garcia, County Judge

ATTEST:

by: Arturo Guajardo Jr., County Clerk

LIST OF ATTACHMENTS

- ATTACHMENT "A" - Services to be Provided by the Owner
- ATTACHMENT "B" - Services to be Provided by the Engineer
- ATTACHMENT "C" - Work Schedule
- ATTACHMENT "D" - Project Cost Proposal

ATTACHMENT "A"
Scope of Services (Owner)

PROJECT: Anzalduas Park Levee Repair 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 **Anzalduas Park Levee Repair in Hidalgo County Pct No. Three (3)**

ATTACHMENT "B"
Scope of Services (Engineer)

PROJECT: Anzalduas Park Levee Repair 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 **Anzalduas Park Levee Repair Project**.

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: Anzalduas Park Levee Repair 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-10-251-07-13.

ATTACHMENT "D"
Cost Proposal

PROJECT: Anzalduas Park Levee Repair Project in Hidalgo County Precinct No. Three
(3).

(See Attached)

Attachment D
Anzalduas Park Levee Repair
Prepared For Hidalgo County Pct. No. 3

| Levee Repair Subgrade Materials Testing - Laboratory | | | | | | |
|---|------|------|-----------|-------------|--|--------------------|
| Tech Time | 9 | Hrs. | \$ 45.07 | \$ 405.63 | | |
| Trip Charge | 20 | MI. | \$ 0.49 | \$ 9.80 | | |
| Atterberg | 3 | Ea. | \$ 75.05 | \$ 225.15 | | |
| Molstura-Density Determ | 3 | Ea. | \$ 193.92 | \$ 581.76 | | |
| Reports | 3 | Ea. | \$ 22.23 | \$ 66.69 | | |
| Eng. Spec. | 1.6 | Hrs. | \$ 112.61 | \$ 168.92 | | |
| Engineer | 1.5 | Hrs. | \$ 150.22 | \$ 225.33 | | |
| | | | | Sub. | \$ 1,683.28 | |
| Levee Repair Subgrade Field Density Testing | | | | | | |
| Tech Time | 48 | Hrs. | \$ 45.07 | \$ 2,163.36 | Approx Levee Height is 12' Backfill Layers are required to be 6" 24 layers at 3 tests per layer 1 trip per layer | |
| Trip Charge | 480 | MI. | \$ 0.49 | \$ 235.20 | | |
| Comp. Test | 72 | Ea. | \$ 22.53 | \$ 1,622.16 | | |
| Reports | 24 | Ea. | \$ 22.23 | \$ 533.52 | | |
| Eng. Spec. | 6 | Hrs. | \$ 112.61 | \$ 675.66 | | |
| Engineer | 6 | Hrs. | \$ 150.22 | \$ 901.32 | | |
| | | | | Sub. | | \$ 6,131.22 |
| Levee Repair Base Materials Testing - Laboratory | | | | | | |
| Tech Time | 3 | Hrs. | \$ 45.07 | \$ 135.21 | | |
| Trip Charge | 20 | MI. | \$ 0.49 | \$ 9.80 | | |
| Atterberg | 1 | Ea. | \$ 75.05 | \$ 75.05 | | |
| Molstura-Density Determ | 1 | Ea. | \$ 193.92 | \$ 193.92 | | |
| Reports | 1 | Ea. | \$ 22.23 | \$ 22.23 | | |
| Eng. Spec. | 0.5 | Hrs. | \$ 112.61 | \$ 56.31 | | |
| Engineer | 0.5 | Hrs. | \$ 150.22 | \$ 75.11 | | |
| | | | | Sub. | \$ 567.63 | |
| Levee Repair Base Material Field Density Testing | | | | | | |
| Tech Time | 2 | Hrs. | \$ 45.07 | \$ 90.14 | Approx Levee Height is 12' Backfill Layers are required to be 6" 24 layers at 3 tests per layer | |
| Trip Charge | 20 | MI. | \$ 0.49 | \$ 9.80 | | |
| Comp. Test | 3 | Ea. | \$ 22.53 | \$ 67.59 | | |
| Reports | 1 | Ea. | \$ 22.23 | \$ 22.23 | | |
| Eng. Spec. | 0.25 | Hrs. | \$ 112.61 | \$ 28.15 | | |
| Engineer | 0.25 | Hrs. | \$ 150.22 | \$ 37.56 | | |
| | | | | Sub. | | \$ 255.47 |
| Levee Repair Hot Mix Asphalt Testing | | | | | | |
| Tech Time | 4 | Hrs. | \$ 57.55 | \$ 230.20 | | |
| Trip Charge | 20 | MI. | \$ 0.48 | \$ 9.60 | | |
| Rolling Patterns | 1 | Ea. | \$ 37.56 | \$ 37.56 | | |
| Thickness Determination | 2 | Ea. | \$ 83.88 | \$ 167.76 | | |
| Reports | 2 | Ea. | \$ 22.23 | \$ 44.46 | | |
| Eng. Spec. | 0.5 | Hrs. | \$ 112.61 | \$ 56.31 | | |
| Engineer | 0.5 | Hrs. | \$ 150.22 | \$ 75.11 | | |
| | | | | Sub. | \$ 621.00 | |

Estimated Construction Materials Testing Fees \$ 9,258.60