

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. _____
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: *Josepe Palacios*

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 2/25/14 as indicated below and effective as of 25th day of February, 2014.

THE ENGINEER:
L&G ENGINEERING LABORATORY, LLC

THE OWNER:
HIDALGO COUNTY

Jacinto Garza
By: Jacinto Garza, P.E.

Ramon Garcia
Hon. Ramon Garcia, County Judge

ATTEST:

Approved by Commissioners' Court
on 2/25/14

Arturo Guajardo Jr.
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

<i>In-Situ Soils Testing-Laboratory-Building Subgrade</i>					
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	
<i>In-Situ Soils Testing-Field-Building Subgrade</i>					
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	
<i>Select-Fill Soils Testing-Slab-Laboratory</i>					
Standard Proctor	2	Ea.	\$202.78	\$405.56	<i>Based on 2 Select Fill Samples 2 Additional Atterberg Limits & 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	
<i>Select-Fill Soils Testing-Field-Testing and Monitoring</i>					
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	
<i>Concrete Placement-Floor Slabs-Main Building</i>					
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:				\$386.22	

Cyl. Spec. Prep, Hold, Cure	8	Ea.	\$11.83	\$94.64	<i>Quantities based on sample pickup and 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:				\$726.12	

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:				\$1,207.47	

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



AI-43228

Purchasing Department 41. G. 0.

CC REGULAR

Meeting Date: 03/04/2014

Submitted For: Martha L. Salazar

Submitted By: Letty Saenz, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Acceptance and approval of **Work Authorization No. 3** in the amount of (**\$ 14,963.32**) submitted by **L&G ENGINEERING LABORATORY** contracted engineering firm for "professional laboratory services" or (On Call) "Geo Technical & Construction Materials Testing Services" for projects located within Hidalgo County Precinct #4, under Contract# C-13-220-08-13 - **PROJECT: (CONSTRUCTION MATERIAL TESTING SERVICES) FOR: THE NEW SAN CARLOS (CRC) COMMUNITY RESOURCE CENTER** carried by, MATA-GARCIA ARCHITECTS & CONTRACTED CONSTRUCTION COMPANY - FOREMOST CONSTRUCTION).

BACKGROUND

WA#3-L&G Engineering Lab (CMT for: CRC San Carlos Project)

Fiscal Impact

FISCAL YEAR: 2014

ACCT. #: 4-1342-419-40-124-123-0-720

FUNDS AVAILABLE Y/N?:

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

Attachments

WA#3 - L&G Eng Lab (CMT Svcs) CRC in San Carlos Proj-Pct 4

Form Review

Inbox
Purchasing Department
Budget & Management
Auditor's Office

Reviewed By

Date

Form Started By: Letty Saenz

Started On: 02/18/2014 03:38 PM