

HIDALGO COUNTY
Professional Geo Technical and/or
Construction Material Testing Engineer Services
Agreement #C-15-301-09-15

WORK AUTHORIZATION NO. 1

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 CONSULTING ENGINEERS, INC.** 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 **Geotechnical Engineering Services for the "Sheriff's Office Gas Pump Canopy" Project located 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 **\$6,265.05**. 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. 1 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.**

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. **# 1**.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 4:

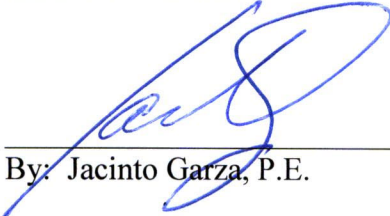
BY: _____

PART 8. ACCEPTANCE AND APPROVAL

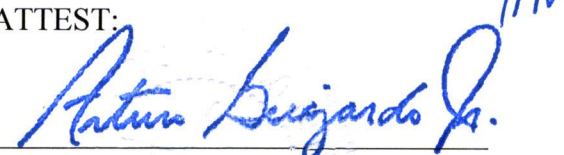
This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____, 2015 as indicated below and effective as of the ____ day of _____, 2015.

THE ENGINEER:
L&G CONSULTING ENGINEERS, INC.

THE OWNER:
HIDALGO COUNTY


By: Jacinto Garza, P.E.


Hon. Ramon Garcia, County Judge

ATTEST:

Arturo Guajardo Jr., County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 11/10/15

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

EXHIBIT A

-Scope of Services to be provided by the County

The following provides an outline of the services to be provided by the Owner in the development of Projects (as defined and more particularly identified in Exhibit "A" attached to this Agreement).

General:

The Owner will provide to the Engineer the following:

- 1) Provide the authorization to proceed with services through coordination with the project consulting and design Engineer.
- 2) Payment for work performed by the Engineer and accepted by the Owner in accordance with Article 3 of this Agreement.
- 3) Assistance to the Engineer, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies the Engineer cannot easily obtain.
- 4) Provide any available relevant data the Owner may have on file concerning the projects.
- 5) Provide timely review and decisions in response to the Engineer's request for information and/or required submittals and deliverables, in order for the Engineer to maintain the agreed upon work schedule prepared in accordance with Exhibit "A" attached to this Agreement.
- 6) Attend and participate in progress meetings as required and as coordinated and conducted by Engineer.
- 7) Provide the authorization to proceed with services on project by project basis through consulting design and construction Engineer.

ATTACHMENT B

Services to be Provided by the Laboratory

GENERAL SCOPE OF WORK

The work to be performed by the **Laboratory** under this Work Authorization shall consist of; Geotechnical Drilling and Miscellaneous Field Services, Geotechnical Laboratory Testing Services and Geotechnical Engineering Services for the Sheriff's Office Additions project hereinafter denoted as the **Project**.

The **Laboratory** shall provide all services required (as noted under this Work Authorization) for usage by the **Client** in the preparation of plans, specification and estimate, and related documents for the **Project**. The **Laboratory** shall maintain a direct line of communication and coordinate with the **Client** throughout the project.

The **Laboratory** shall furnish all equipment, materials, supplies, and incidentals as needed to perform the services required, except as otherwise specified to be provided by the **Client**.

Specific activities to be performed by the **Laboratory** include the following:

I. Geotechnical Drilling Services and Miscellaneous Field Services

The **Laboratory** will coordinate with the **Client** for verification of project vicinity map indicating general boring site locations.

The **Laboratory** will provide drilling/excavation and sampling of subsurface materials as follows in accordance with this Work Authorization and in conformance with ASTM guidelines:

- Structural Borings – Two (2) Borings will be drilled at approximate location of proposed canopy structures (Borings will be advanced to a depth of approximately 20 feet below the existing top of natural ground)
- Pavement Borings – One (1) Boring will be drilled at approximate location of proposed parking lot (Borings will be advanced to a depth of approximately 10 feet below the existing top of natural ground)

The **Laboratory** will stake the boring locations and provide utility clearances prior to performing the field exploration portion of the project. The **Client** will be responsible to provide any necessary permits or authorization to access areas (right of entry) where borings are to be drilled. All borings will be located in the field by a representative of the **Laboratory**. All boring locations will be documented with GPS coordinates. Field survey and tie-down locations of all borings will be the responsibility of the **Client**.

The borings will be advanced to the specified depth(s) and in-situ soil testing will be performed in general accordance with ASTM and/or TxDOT Standard Test Procedures and Geotechnical Manual (ASTM D1586 – Standard Penetration Testing (SPT) and/or Tex-132-E – Texas Cone Penetration (TCP)). In addition, where applicable, thin-walled Shelby tube samples may be collected (ASTM D1587 – Thin Walled Tube Sampling). The soils will be sampled as needed to verify subsurface materials and strata changes. Final drilling depths and elevations will be based on topographic conditions at the time of drilling operations.

All samples will be removed from the sample apparatus during drilling operations. The **Laboratory** will conduct various field tests on the recovered samples, visually classify the samples, and record the appropriate data on a field boring log. The samples will be appropriately packaged to minimize loss of natural moisture content and to reduce the possibility of damage during transportation to the soil testing laboratory facility.

Drilling services will include an initial water strike depth and a 24-hour water level reading at each boring location. Following completion of drilling and sampling, all boreholes will be backfilled with soil cuttings from the completed borings. If there is insufficient soil cuttings available, alternate fill will be used to backfill the completed boreholes.

This proposal does not include activities and corresponding costs that may be associated with the following:

- Providing an ATV mounted drill rig, dozer or special equipment to clear areas of vegetation and debris or re-grading the site to gain access to the boring locations;
- Re-grading the site or portions of the site after drilling activities are completed;
- Site safety meetings that may be required;
- Encountering hazardous or contaminated soils or substances during our field activities.

The **Laboratory** will notify the **Client** should these services become necessary to complete field exploration activities, and if approved by the **Client**, additional negotiated fee and scope will be incorporated through Supplemental Work Authorization.

II. Geotechnical Laboratory Testing Services

Geotechnical Laboratory Testing will be performed by the **Laboratory** on the samples recovered during the field study to evaluate their physical and engineering properties. Laboratory testing will be performed in general accordance with ASTM and/or TxDOT Standard Test Procedures. Testing shall include the following test procedures:

- (1) Atterberg Limits (ASTM D4318 or Tex-104-E, 105-E, 106-E)
- (2) Gradation (-200) (ASTM D1140 or Tex-111-E)
- (3) Lab. Determination of Moisture in Soils (ASTM D2216 or Tex-103-E)
- (4) Sulfate Content of Soil (ASTM C1580 or Tex-145-E)

III. Geotechnical Engineering Services

The **Laboratory** will utilize information gathered from the field and laboratory testing to provide the **Client** with Geotechnical Engineering results and analyses for the **Project**. The findings and conclusions derived from the results and analyses will be presented in a written engineering report and provided to the **Client** (three (3) copies). The report will include a boring location plan, boring logs with laboratory classification of recovered soil samples at the boring locations and subsurface water conditions encountered. The report will provide analyses and/or engineering recommendations as follows:

- Pavement Eng. Analysis & Recommendations (Parking Lot Area)

The report will provide general comments and applicable recommendations regarding construction methods, sequences, and potential difficulties that may arise during overall construction as it relates to the soil aspects of this project. This information may serve to guide both geometric modeling and foundation selection and design as well as provide assistance in the preparation of specifications for the project.

ATTACHMENT "C"
Work Schedule

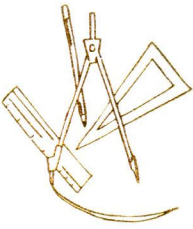
PROJECT: Geotechnical Engineering Services for the "*Sheriff's Office Gas Pump Canopy*"
Project in Hidalgo County Pct. No. 4.

Work Schedule

L&G Engineering will provide **Hidalgo County Pct. # 4** with **Geotechnical Engineering Services** as outlined in **Contract Agreement C-15-301-09-15**.

Attachment D
 Geotechnical Field and Laboratory Services
 Sheriff's Office Additions (Prop. Canopies & Parking Lot)
 Prepared for Hidalgo County Pct. 4

	SERVICES	UNITS	UNITS	UNIT COST	TOTAL COST
I.	Project Management / Review				
	A. Principal / Project Manager / Review	Hours			
	B. Senior Project Engineer (Staff)	Hours			\$ -
	C. Typing and Clerical (Report)	Hours			
	D. Lodging	Day			
	E. Mileage	Mile			
	F. Air Travel	Trip			
II.	Utility Clearances / Boring Locates				
	A. Technician (Locate Borings)(Util Clr)	Hours	2	\$ 51.34	\$ 102.68
	B. Staff Engineer/Geologist/Scientist	Hours			
	C. Rebar (stakes with impalement covers)	Cost +12.5%			
	D. Vehicle Charge	Mile			
	E. Mileage	Mile	60	\$ 0.55	\$ 33.00
	F. Survey Locate Borings (X,Y,Z)	LS			\$ -
	G. Clear Site for Access (Dozer)	LS			\$ -
III.	Field Exploration				
A	Mobilization/Demobilization	Day	1	\$ 441.66	\$ 441.66
B	Field Exploration				
	1. ASTM Drill & SPT/Tube Sampling (SS)	Feet	50	\$ 31.08	\$ 1,554.00
	2. TxDOT TCP Field Test (BL/ft)	Ea.			\$ -
	3. Field Logger/Eng Tech (Soil & Agg Tech)	Hour	6	\$ 51.34	\$ 308.04
	4. 24 Hr. Water Level Observations	Hour	2	\$ 51.34	\$ 102.68
	5. Piezometers	Each			\$ -
	6. Supp. Vehicle-Trailer, Tools H2O Supply	Mile	60	\$ 1.65	\$ 99.00
	7. Vehicle Charge	Mile	120	\$ 0.55	\$ 66.00
C	Miscellaneous Field Services				
IV.	Engineering Data Analysis / Report				
	1. Staff Engineer	Hours			
	2. Sr. Eng Tech / Geo Eng (Soil Classification)	Hours	1	\$ 96.94	\$ 96.94
	3. Sr. Eng Tech / Geo Eng (Logs & Summ.)	Hours	1	\$ 96.94	\$ 96.94
	4. Moisture Content	Ea.	19	\$ 10.55	\$ 200.45
	5. Atterberg Limits	Ea.	10	\$ 79.66	\$ 796.60
	6. -200 Determination	Ea.	10	\$ 66.47	\$ 664.70
	7. Sieve Analysis (w/ Hydrometers)	Ea.			\$ -
	8. UC Testing (w/ Unit Weight)	Ea.			\$ -
	9. Consolidation Testing	Ea.			\$ -
	10. Dry Unit Weight	Ea.			\$ -
	11. Soils Sulfate Content	Ea.	3	\$ 86.40	\$ 259.20
	12. Determination of Soil pH	Ea.			\$ -
	13. Lime Series Testing (5 Pt.)	Ea.			\$ -
Project Sub-Total (Geo Field and Lab)					\$ 4,821.89



October 22, 2015

Commissioner Joseph Palacios
Attn: Ms. Maria (Lulu) Lucio
Hidalgo County Precinct No. 4
1102 N. Doolittle Rd.
Edinburg, Texas 78539

RE: *On-Call Geo/CMT Services Contract (C-15-301-09-15)*
Work Authorization #1 – “Sheriff’s Office Gas Pump Canopy” Project

Dear Ms. Lucio:

Attached for your review and execution are two originals of Work Authorization #1 with all associated attachments, between L&G Engineering and Hidalgo County Precinct No. 4 for the Sheriff’s Office Gas Pump Canopy Project.

L&G appreciates the opportunity and looks forward to working with Hidalgo County Precinct No. 4.

Should you have any questions, please feel free to contact me at (956) 585-1909.

Sincerely,

David Saenz, P.E., C.F.M.
Project Manager

Attachments: Work Authorization #1

Cc: Mr. Jacinto Garza, P.E. – L&G Engineering



AGENDA
CC REGULAR CONSENT
COMMISSIONERS' COURT
November 10, 2015
9:30 A.M.

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a **SPECIAL MEETING** of the Commissioners' Court will be held at the Edinburg Council Chambers 415 W. University Drive, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

NOTICE TO THE PUBLIC
CONSENT AGENDA

The following items are of a routine or administrative nature. The Commissioners' Court has been furnished with background and support on each item, and/or it has been discussed at a previous meeting. All items will be acted upon by one vote without being discussed separately unless requested by a Court Commissioner, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon. The remaining items will be adopted by one vote.

On motion by COMMISSIONER PCT. 3, JOE M. FLORES, seconded by COMMISSIONER PCT. 1, A.C. CUELLAR, JR., the Court made a UNANIMOUS vote of approval with the exception of items. 2.J., 11.C., 11.F., and 11.U. to be pulled for discussion.

Vote: 5 - 0 - Unanimously

1. **Approval of check register and payment of claims and bills -**
(Payments from Juvenile Probation, Adult Probation, LEOSE Fund, DA Motor Vehicle Theft Fund, DA Bad Check Processing Fund, DA Forfeiture Fund, Sheriff Forfeiture Funds, Constable Forfeiture Funds, HIDTA Forfeiture Funds and VIT Interest Fund are presented for recording purposes only.)
2. **2015 Intradepartmental transfers:**
 - A. **AI-52203** 2015 - Texas A&M AgriLife Extension Service (1100)
 - B. **AI-52196** 2015 - Hidalgo County Sheriff's Office (1100)
 - C. **AI-52185** 2015 - Pct 2 Rd Maint (1200)
 - D. **AI-52179** 2015 - County Court at Law 8 (1100)
 - E. **AI-52187** 2015 - CW Mech Shop (1200)
 - F. **AI-52192** 2015 - Constable Pct. 2 (1100)

Vote: 5 - 0 - Unanimously

- V. **AI-51995** Requesting authority to advertise and approval of procurement packet (i.e. specifications/requirements, legal notice, draft requirement agreement etc.) as attached hereto for: Hidalgo County - "Turnkey Burial Services (Including Cemetery Plots) for Unidentified Pauper Remains" RFB No.: 2016-009-12-02-HGO. Including the re-advertising of project in the event NO BIDS received and project is still required.

- W.** **AI-51998** Acceptance and approval of **WORK AUTHORIZATION #1** in the amount of **\$6,265.05** submitted by **L&G Consulting Engineers d/b/a L&G ENGINEERING** contracted (On Call) engineering firm for the purposes of --[Geo Technical and Construction Materials Testing] services for projects located within Hidalgo County Precinct #4 under Contract# C-15-301-09-15 for **PROJECT: [Geotechnical Services] for Sheriff's Office Gas Pump Canopy Project.**

- X. **AI-52003** Add fuel cards
1. Constable Pct No. 3 - fuel cards