

HIDALGO COUNTY
Professional Geo Technical and/or
Construction Material Testing Engineer Services
Agreement #C-16-305-10-04

AT	3:00	FILED		
		O'CLOCK	1	M
MAY 19 2017				
ARTURO GUAJARDO, JR. COUNTY CLERK HIDALGO COUNTY, TEXAS				
BY	[Signature]			DEPUTY

WORK AUTHORIZATION NO. 2

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 Milo Ponce Memorial Park Improvements 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 **\$9,686.88**. 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. 2 shall be funded through funding source:

Account No. **7-1100-452-00-124-009-0-730-**

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. # 2.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 4:

BY: Joseph Palacios

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on May 16, 2017 as indicated below and effective as of the 16th day of May, 2017.

THE ENGINEER:
L&G CONSULTING ENGINEERS, INC.

THE OWNER:
HIDALGO COUNTY

Jacinto Garza
By: Jacinto Garza, P.E.

Ramon Garcia
Hon. Ramon Garcia, County Judge

ATTEST:

Arturo Guajardo Jr.
Arturo Guajardo Jr., County Clerk



APPROVED BY
COMMISSIONERS' COURT
ON: 5/16/17

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: “Milo Ponce Memorial Park Improvements Project” within Hidalgo County Precinct No. Four (4)

SERVICES TO BE PROVIDED BY OWNER

The County of Hidalgo will provide **L&G Engineering with Construction Documents, Plans and Specifications** for the ***“Milo Ponce Memorial Park Improvements Project” Project In Hidalgo County Precinct No. Four (4)***

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 Milo Ponce Memorial Park Improvement 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 Boring – One (1) Boring will be drilled at approximate location of proposed building structure (Borings will be advanced to a depth of approximately 20 feet below the existing top of natural ground) (Boring Designation B-01)
- Pavement Boring – 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) (Boring Designation PV-01)

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)
- (5) Lime Series Testing – pH Relation (Tex-121-E, Part III)

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:

- Structural Evaluation of Borings / Calc. of Shear Strength Models / Soil Profiles
- Shallow Foundation Eng. Analysis & Recommendations
- Pavement Eng. Analysis & Recommendations
- Septic Field Analysis & Recommendations

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: “Milo Ponce Memorial Park Improvements Project” Project In Hidalgo County Precinct No. Four (4)

Work Schedule

L&G Engineering will provide Hidalgo County Pct. # 4 with Construction Materials Testing Services as outlined in Contract Agreement C-16-305-10-04.

**ATTACHMENT “D”
Cost Proposal**

***PROJECT: “Milo Ponce Memorial Park Improvements Project” Project In Hidalgo County
Precinct No. Four (4)***

See Attached

Attachment D
 Geotechnical Field and Laboratory Services
 WA #2 - Milo Ponce Memorial Park Imp. Geo
 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	\$ 49.55	\$ 99.10
	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	\$ 454.91	\$ 454.91
B	Field Exploration					
	1. ASTM Drill & SPT/Tube Sampling (SS)		Feet	30	\$ 32.01	\$ 960.30
	2. TxDOT TCP Field Test (BL/ft)		Ea.			\$ -
	3. Field Logger/Eng Tech (Soil & Agg Tech)		Hour	4	\$ 49.55	\$ 198.20
	4. 24 Hr. Water Level Observations		Hour	2	\$ 49.55	\$ 99.10
	5. Piezometers		Each			\$ -
	6. Supp. Vehicle-Trailer, Tools H2O Supply		Mile	60	\$ 1.70	\$ 102.00
	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	\$ 93.28	\$ 93.28
	3. Sr. Eng Tech / Geo Eng (Logs & Summ.)		Hours	1	\$ 93.28	\$ 93.28
	4. Moisture Content		Ea.	12	\$ 10.87	\$ 130.44
	5. Atterberg Limits		Ea.	6	\$ 82.05	\$ 492.30
	6. -200 Determination		Ea.	2	\$ 68.46	\$ 136.92
	7. Sieve Analysis (w/ Hydrometers)		Ea.	4	\$ 98.63	\$ 394.52
	8. UC Testing (w/ Unit Weight)		Ea.			\$ -
	9. Consolidation Testing		Ea.			\$ -
	10. Dry Unit Weight		Ea.			\$ -
	11. Soils Sulfate Content		Ea.	2	\$ 88.99	\$ 177.98
	12. Determination of Soil pH		Ea.			\$ -
	13. Lime Series Testing (5 Pt.)		Ea.	1	\$ 533.95	\$ 533.95
	Project Sub-Total (Geo Field and Lab)					\$ 4,065.28

2. **AI-59856** Requesting approval of **SA1 to WA 2, for the increased amount of (\$ 58,831.00) amending Exhibit C-Work Schedule & Estimated Man-hour Breakdown)** with change to estimated original cost under WA 2 from (\$ **1,067,000.00**) to (\$ **1,125,831.00**), as submitted by **L&G Consulting Engineers, Inc. d/b/a L&G Engineering** in connection to agreement # **C-13-178-08-20** for "**Job Specific Project**"- *Engineering Services required for Right-of-Way Acquisition, Compensable Utility Management Oversight for the FM 2220 (Ware Road) project from Mile 3 N (FM 1924) to Mile 5 N (FM 676)located within Hidalgo County Precinct No. 4.*

3. **AI-59785** Requesting authority to purchase one (1) 2017 (Hamm HD120 VO DD 78" Vibratory Drum/Rear Oscillatory Drum Roller) for the Hidalgo County Precinct #4 [thru our membership/participation with Buy Board contract #515-16] from awarded vendor Wirtgen America, Inc. / Authorized Dealer (NPE) Nueces Power Equipment respectively through submitted Requisition #342358 in the amount of \$180,806.90 and subject to SAM'S.gov.

4. **AI-59717** a. Requesting approval of an **(On Call) -[Professional Engineering Services] Agreement** (approved for negotiations by CC on 05/02/17) with **Half Associates, Inc.** for: **Building Repairs, Renovations, Alteration, Additions and/or Other Related Services to County Owned Buildings** (on an as needed basis), utilized by various departments for projects located within **Hidalgo County Precinct 4.**

b. Requesting approval of a professional appraisal services agreement with the "multiple" ranked and selected Appraisal Firms: **Leonel Garza, Jr. & Associates, LLC & George J. Salazar, II d/b/a APPRAISAL HAUS** for the purposes of **(On Call) - [Appraisal Services]** for: **The Fair Market Value Appraisals in connection with the Acquisition of Land, Rights of Way, Easements, Condemnations and Disposition of County owned Property** located within **Hidalgo County Precinct No. 4 (on an as needed basis)** and as (approved for negotiations by CC from the "POOL" of Appraisers on 05/02/17).

c. Requesting approval of a professional appraisal services agreement with **PROFESSIONAL APPRAISAL SERVICE, INC.** for the purposes of **(On Call) [Appraisal "REVIEW" Services]** for projects located within **Hidalgo County Precinct No. 4** as approved for negotiations by CC from the "POOL" of Appraisers on 05/02/17).

APPROVED	d. Acceptance and approval of Work Authorization No. 2 (with an estimated cost of 9,686.88) as submitted by project engineer, L&G Consulting Engineers for Project: [Geo Technical Engineering Services] for " Milo Ponce Memorial Park Improvements " in connection to "on call" agreement# C-16-305-10-04 for projects located in Precinct 4
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Handwritten signature and date: DRS 5/18/17

estimated cost of \$137,062.96) as submitted by project engineer, L&G Consulting Engineers, to provide compensable utility management and coordination of adjustments for the Pct 2 Dicker Road Project through Contract# C-17-137-05-16;

c. Pursuant to contract with L&G Engineering (Article 12), a request for approval by engineer to permit the subcontracting of B2Z Engineering and ROW Surveying Services, Inc. in connection with C-17-137-05-16, Work Authorization No. 1 for the Pct 2 Dicker Road Project.

D. Pct. 3

1. **AI-59867** A. Pursuant to Texas Local Government Code, 263.151, discussion and approval to declare as "surplus" three [3] trench boxes and as further detailed in Exhibit "A" including to establish the sell price as stated in the "ORDER".

B. Acceptance and approval by Hidalgo County Commissioners Court evidence by an "ORDER" authorizing the sale of certain personal property (as described in attachments herein) to Hidalgo County Drainage District No. 1 for the amount approved as stated in the "ORDER".

C. Requesting authority to remove said assets listed on Exhibit "A" (attached hereto) from the Hidalgo County inventory list after finalizing the sale of equipment to Drainage District #1.

E. Pct. 4

1. **AI-59829** a. Requesting exemption from competitive bidding requirements under the Texas Local Government Code, Section 262.024 (A) (4) a professional services:

b. Presentation of scoring grid (for the purpose of ranking by CC) of the firms graded & evaluated through the County's approved "pool" in connection with professional engineering services required for: [Ground Water, Gas Monitoring and Groundwater Data Evaluation at Closed Landfill Site in Precinct 4] to remain in compliance with TCEQ.

Firms	MTME, LLC	Cruz Hogan Consultants, Inc.	Alfa Infrastructure
Evaluator	97	95	93
Ranking			

c. Authority for the Purchasing Department to negotiate a professional service contract with No. 1 ranked firm: _____ for the provisions of Engineering Services for: [Ground Water, Gas Monitoring and Groundwater Data Evaluation at Closed Landfill Site in Precinct 4] to remain in compliance with TCEQ.



AGENDA
HIDALGO COUNTY
COMMISSIONERS COURT
MEETING
May 16, 2017
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 in the Commissioners Courtroom of the Administration Building, 100 E. Cano, 1st floor, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

1. **Roll Call**
2. **Pledge of Allegiance**
3. **Prayer**
4. **Approval of Consent Agenda**
5. **County Judge's Office:**
 - A. **AI-59878** Approval of Proclamation to proclaim May 2017 as "Motorcycle Safety and Awareness Month" in Hidalgo County.
 - B. **AI-59606** Consideration and approval of a Proclamation declaring May 2017 as Elder Abuse Awareness Month.
 - C. **AI-59797** Discussion and approval of the Addendum to the Tax Abatement Agreement between Hidalgo County and South Texas Electric Cooperative, Inc. effective December 22, 2015 granting an 80% tax abatement in accordance with the agreement and the tax abatement guidelines.
6. **Constables:**

19. **Budget & Management:**

- A. **AI-59780** 2018 Budget Process:
 - 1. Presentation of 2018 Budget Process Calendar.
 - 2. Approval of 2018 Budget Development Criteria.

- B. **AI-59779** Approval to submit request for funds (unclaimed capital credits) from Texas Comptroller of Public Accounts as authorized under Section 74.602 of the Texas Property Code, with authority for County Judge to sign the letter request.

- C. **AI-59699** JAG (1282)/Auxiliary Court (1100):
Ratification of effective date for the personnel action approved by CC on May 2nd, 2017, AI-59518, from 5/02/17 to 3/20/17.

D. **Budget Appropriations:**

- 1. **AI-59788** Pct. 3 R&B (1200):
Approval of 2017 appropriation of funds into Pct. 3 R&B (123-107 & 123-120) in the amount of \$191,141.40.

- 2. **AI-59804** Special Vehicle Inventory Fund (1246):
Approval of 2017 appropriation of funds for the Special Vehicle Inventory Fund (1246) in the amount of \$102,377.67 to fund salaries, fringes, & operating expenses for calendar year 2017.

20. **Purchasing Department - Notes:**

A. FOR ANY CONTRACT(S) AWARDED AND APPROVED UNDER THIS AGENDA, EXECUTED COPIES OF THE CONTRACT(S) WILL BE AVAILABLE ON THE COUNTY INTRA-NET WEBSITE AND WILL BE FORWARDED VIA E-MAIL, FAX OR HAND DELIVERED TO HIDALGO COUNTY AUDITOR'S OFFICE.
B. ANY AND ALL REQUESTS FOR PAYMENT(S) APPROVED WILL BE SUBJECT TO COUNTY AUDITORS PROCESSING PROCEDURES INCLUDING AUTHORITY FOR COUNTY TREASURER TO ISSUE PAYMENT(S)/CHECK(S).

A. **Hidalgo County**

- 1. **AI-59685** Requesting approval for Hidalgo County to exercise it's option to terminate [under provision #2] as stated in the current service agreement with Drone Dynamics, LLC by providing a Thirty (30) Day written notice of termination.