

HIDALGO COUNTY
Professional Engineering Services
Contract # C-14-330-09-09
Work Authorization Form

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 ENGINEERING** professional engineers of Meadis 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 “Hoehn Subdivision Sanitary Sewer 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 **\$16,217.19**. 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 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. #1.

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 12/16/, 2014 as indicated below and effective as of the 16th day of December, 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 12/16/14 RC

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: “Hoehn Subdivision Sanitary Sewer Improvements” Project in Hidalgo County Precinct No. Four (4)

SERVICES TO BE PROVIDED BY OWNER

The County of Hidalgo will provide **L&G Engineering** with **Documents, Plans, and Specifications** for the ***“Hoehn Subdivision Sanitary Sewer Improvements” Project in Precinct No. 4 Project.***

ATTACHMENT "B" Scope of Services

PROJECT: Geotechnical Engineering Services for the "Hoehn Subdivision Sanitary Sewer Improvements" Project in Hidalgo County Pct. No. 4.

GENERAL SCOPE OF WORK

The Scope of Work will entail providing **The County of Hidalgo** with **Geotechnical Engineering Services**.

The Scope of Work is identified as follows:

- **Geotechnical Engineering Services**

L&G Engineering will furnish all equipment, materials, supplies, and incidentals as needed to perform the services required by this Contract: The work is as follows:

Geotechnical Engineering Services

Geotechnical Drilling Services

L&G Engineering will provide drilling services for **Hidalgo County Pct. No. 4**. Soil samples will be removed from the sample apparatus during drilling operations. One of our geologists or engineering technicians 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 their natural moisture content and to reduce the possibility of damage during transportation to our soils laboratory for testing. The tests performed on these samples will include Moisture Content, Liquid Limit, Plastic Limit, Plasticity Index and Materials Finer than No. 200. Unconfined Compressive Strength and Dry Unit Weight tests will be performed as necessary to provide detailed description of undisturbed samples.

Drilling services will also include a 24-hour water level reading at each boring location. Piezometers, when required, will be installed to maintain the integrity of the borehole overnight or over a weekend. Following completion of drilling, sampling, and subsurface water monitoring operations, all boreholes will be backfilled with soil cuttings from the completed borings. If enough soil cuttings are unavailable, clean sand will be used to backfill the completed boreholes. If a piezometer is installed, the pipe will be removed following the water level readings and the borehole backfilled as described above.

Once all of the Engineering Properties of the soils have been determined, the final Log of Boring is created using the field and laboratory data. Included in the Log of Boring are THD Penetrometer Blow Counts, actual Moisture Contents, Plasticity Indices, and other laboratory test data obtained during the laboratory testing phase of the project. Proper description and location of strata, ground water elevations and test hole elevations will also be included in the Log of Boring.

Engineering Services

Engineering analyses will be conducted after reviewing the results of both the field and laboratory phases of the study. The findings and conclusions derived from the analyses will be presented in a written engineering report which will be prepared by the engineer. The report will include a boring location plan, boring logs with laboratory classification of recovered soil samples and subsurface water conditions encountered. The report will provide engineering recommendations for:

- Pier capacity curves; and
- Soil parameters that may be used in designing the foundations for the planned structures.

The geotechnical 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 and foundation aspects of this project. This information may serve to guide foundation selection and design and assist in the preparation of specifications for the project.

This contract **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 to re-grade 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; or
- Encountering hazardous or contaminated soils or substances during our field activities.

Hidalgo County Pct. No. 4 will be notified should these services become necessary for the completion of field exploration activities.

This proposal **does** include activities and corresponding costs that may be associated with locating buried utilities or pipelines as follows:

- Providing PVC pipe for water level readings; and
- Clearing the boring locations for underground utilities.

Hidalgo County Pct. No. 4 will be responsible for obtaining any necessary permits or authorization to egress areas where the borings are to be drilled.

Schedule

Based on the requested services, it is estimated that the drilling operations can take approximately two (2) to three (3) days to complete. We anticipate that drilling operations can usually begin within two (2) to three (3) days following notice to proceed, staking of the borings, clearing the boring locations of utilities and site and weather conditions permitting. The report and engineering analyses should generally be completed within two (2) weeks after completion of the drilling operations.

**ATTACHMENT “C”
Work Schedule**

PROJECT: Geotechnical Engineering Services for the “*Hoehn Subdivision Sanitary Sewer Improvements*” 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-14-330-09-09**.

**ATTACHMENT “D”
Cost Proposal**

PROJECT: Geotechnical Engineering Services for the “Hoehn Subdivision Sanitary Sewer Improvements” Project in Hidalgo County Pct. No. 4.

See Attached

Attachment D
 Geotechnical Field and Laboratory Services
 Hoehn Subdivision Sanitary Sewer Improvements
 Prepared for Hidalgo County Pct. No. 4

	SERVICES	UNITS	UNITS	UNIT COST	TOTAL COST
I. Project Management / Review/Report					
	A. Engineer (Principal)	Hours	6	\$ 159.44	\$ 956.64
	B. Engineer (Staff)	Hours	26	\$ 159.44	\$ 4,145.44
	C. CADD Technician	Hours	4	\$ 61.08	\$ 244.32
II. Utility Clearances / Boring Locates					
	A. Technician/Soils (Logger) (Locate Borings)(Util Clr)	Hours	4	\$ 47.85	\$ 191.40
		LS			
		Cost			
		Mile			
	B. Mileage (Logger)(Soil Tech)	Mile	50	\$ 0.53	\$ 26.50
III. Field Exploration					
A	Mobilization/Demobilization				
	1. Mobilization (Drill Rig and Crew)	Daily	2	\$ 441.66	\$ 883.32
B	Field Exploration				
	1. Soil Boring/Solid Stem/Mud Rotary (w SPT)	Feet	106	\$ 31.08	\$ 3,294.48
	Soil Boring/Mud Rotary (w TCP)	Feet			\$ -
	2. Texas Cone Penetration Tests	Each			\$ -
	3. Technician (Soils)(Logger)	Hour	16	\$ 47.85	\$ 765.60
	4. Technician (Soils)(Logger)24 Hr. Water Level Observations	Hour	4	\$ 47.85	\$ 191.40
	5. Piezometers	Each			
	6. Vehicle Charge (Support Truck)	Mile	200	\$ 1.65	\$ 330.00
	7. Mileage (Logger)(Soil Tech)	Mile	200	\$ 0.53	\$ 106.00
C					
IV Engineering Data Analysis / Report					
	1. Engineering Specialist (Soil Classification)	Hours	8	\$ 119.52	\$ 956.16
	2. Engineering Specialist (Boring Logs)	Hours	8	\$ 119.52	\$ 956.16
	3. Moisture Content	Each	38	\$ 10.45	\$ 397.10
	4. Atterberg Limits of Soils	Each	17	\$ 79.66	\$ 1,354.22
	5. Finer #200 Sieve	Each	17	\$ 66.47	\$ 1,129.99
	6. Unconfined Compression Testing	Each	2	\$ 49.95	\$ 99.90
	7. Admin/Clerical/Report Reproduction	Hours	4	\$ 47.14	\$ 188.56
Project Total					\$ 16,217.19

907 Project (PO # 703928).

4. Acceptance and approval of request for payment of invoice 14-11-000020 for \$7,756.61 submitted by L&G Laboratory for the Linn San Manuel Facility (PO # 713423).

B. AI -47826 Acceptance and approval of request for payment of invoice 14-11-000019 for \$7,955.43 submitted by L&G Engineering Laboratory for the Sunflower Park onsite project (PO# 707018).

C. AI -47834 Acceptance and approval of request for payment of invoice T590338 for \$219.50 submitted by Terracon for the Mile 17.5 (between Ware and Rooth Road) project.

D. AI -47835 1. Acceptance and approval of request for payment of invoice # 3070-14(6) for \$1,122.00 submitted by Mata-Garcia Architects for the Linn San Manuel Emergency Service Building.

2. Acceptance and approval of request for payment for Application No. 4 submitted by JCON Construction for the Linn San Manuel Emergency Service Facility.

E. AI -47818 Acceptance and approval of **Work Authorization No. 1** in the amount of **\$ 16,217.19** submitted by **L&G Engineering Consulting Engineers d/b/a L&G ENGINEERING** contracted (On Call) engineering firm for: " Geo Technical and Construction Materials Testing" services for projects located within **Hidalgo County Precinct #4** under **Contract# C-14-330-09-09** for **PROJECT: (Geotechnical Services)** for **HOEHN SUBDIVISION SANITARY SEWER IMPROVEMENTS**.

APPROVED

Mr. Cruz stated that the funds will be coming from the budgeted 2015 Road and Bridge Fund, but needs approval in order to begin the process.

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 subject to funding.

Vote: 5 - 0 - Unanimously

F. AI -47800 Acceptance and approval of Change Order No. 2 with no increase, but resulting in changes as reflected on supporting documentation for project in connection to Contract No. C-13-234A-10-22 with NM Contracting , LLC as drafted/reviewed/approved by project architect, Dannenbaum Engineering Company for: Hidalgo County Precinct No. 4 -"Building Repairs/Renovations, Additions and/or Alterations to Restitution Center at 1124 "M" Road in Edinburg, TX" with authority for County Judge, or Court Member to execute document.

December 16, 2014

SPECIAL MEETING - December 16, 2014

BE IT REMEMBERED, that on this 16th day of December A.D., 2014, there was begun and held a **SPECIAL MEETING** of the Honorable Commissioners' Court of Hidalgo County, Texas, wherein the following members thereof were present, to-wit:

HONORABLE RAMON GARCIA

HIDALGO COUNTY JUDGE

HONORABLE A.C. CUELLAR, JR.

COMMISSIONER, PRECINCT NO. 1

HONORABLE HECTOR "TITO" PALACIOS

COMMISSIONER, PRECINCT NO. 2

HONORABLE JOE M. FLORES

COMMISSIONER, PRECINCT NO. 3

HONORABLE JOSEPH PALACIOS

COMMISSIONER, PRECINCT NO. 4

and **ARTURO GUAJARDO, JR., COUNTY CLERK & EX-OFFICIO CLERK OF THE COMMISSIONERS' COURT** of Hidalgo County, Texas, wherein the following proceedings were had, to-wit:



**AGENDA
CC REGULAR CONSENT
COMMISSIONERS' COURT
December 16, 2014
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. 4, JOSEPH PALACIOS , seconded by COMMISSIONER PCT. 1, A.C. CUELLAR, JR., the Court made a UNANIMOUS vote of approval for the exception of Items 2.V, 3.A, 3.C, 12.C, 15.E, 15.G, and 15.S 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. 2014 Intradepartmental transfers:**
 - A. AI -47817 2014 - Facilities Management (1100)**
 - B. AI -47748 2014 - District Clerk (1100)**
 - C. AI -47707 2014 - Sheriff's Office (1284)**
 - D. AI -47689 2014 - J.P. Pct. 4 Pl. 2 (1100)**
 - E. AI -47642 2014 - Countywide Shop (1200)**

December 16, 2014

C. **AI -47378** 1. Pursuant to Local Government Code Sections 114.023-.025, requesting approval of Monthly Financial Report for the Month of October 2014.

2. Pursuant to Local Government Code Section 115.0035, requesting approval of the attached reports.

14. **Budget & Management:**

A. **AI -47486** 1. Approval of reimbursement in the amount of \$762,323.45 to Blue Cross Blue Shield Insurance Company for claims paid on behalf of Hidalgo County from 11/22/14 to 12/05/14.

11/22-28/14	\$256,911.98
12/01-05/14	\$505,411.47
TOTAL	\$762,323.45

2. Approval of wire transfer to cover claims paid.

B. **AI -47754** Self-Insured (2202)

Requesting approval of reimbursement of the Hidalgo County Workers' Comp. Claims paying account for claims paid by Tristar Risk Management for the period of 11/16-30/2014 in the amount of \$12,432.24 and requesting approval of wire transfer.

15. **Purchasing Dept:**

Notes:

A. FOR ANY CONTRACTS(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 FOWARDED 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. **AI -47776** Pct. 4 Project Invoices:
1. Acceptance and approval of request for payment of invoice 11324992 for \$8,400.00 submitted by L&G Engineering for the FM1925 WA #1 Project (PO# 663995).

2. Acceptance and approval of request for payment of invoice 11325001 for \$25,541.86 submitted by L&G Engineering for the 10th Street Extension Project (PO# 688820).

3. Acceptance and approval of request for payment of invoice 11324986 for \$40,428.26 submitted by L&G Engineering for the FM