



Invoice

Date	Invoice #
11/30/2016	619214-1216

Millennium Engineers Group Inc
 PO Box 4569, Edinburg, Texas
 78540-4569



Bill To
Hidalgo County Precinct 4 Attn: Maria Lucio 1051 N. Doolittle Rd. Edinburg, Texas 78542

Terms	Due Date	MEG Project
Due on receipt	11/30/2016	Alberta Drainage Project

Description	Qty	Rate	Amount
P.O. # 747439			
Report No. 01-16-19214-2-1			
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Nuclear Density Test (each)	3	28.00	84.00
Vehicle Trip Charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19214-3-1			
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Nuclear Density Test (each)	3	28.00	84.00
Vehicle Trip Charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$820.50
	Payments/Credits	\$0.00
	Balance Due	\$820.50

Phone #	Fax #
9567028500	(956) 702-4180

Make all checks payable to Millennium Engineers Group, Inc.
 Any questions regarding this invoice please contact our Accounts Receivables Department at
 (956) 702-8500

NUCLEAR MOISTURE DENSITY FIELD REPORT



Project Name: Alberta Drainage Project
 Client: Hidalgo County Precinct No.4
 P.O. # 747439

MEG Report Number: 01-16-19214-2-1
 Service Date: November 14, 2016
 Reported Date: November 15, 2016

GENERAL INFORMATION		MOISTURE DENSITY RELATIONSHIP	
Area Tested:	Canal	Soil I.D.:	N/A
Material Description:	Brown Sandy Clay	Material Type:	Backfill
Required % of Proctor:	92 Percent	Optimum Dry Density(pcf):	114.3
Required Moisture Range:	-2 to +2	Optimum Moisture(%):	13.9
Required Depth:	12 Inches	Lift Tested:	1st lift

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	Alberta Drainage STA 1+60 Center Line	14.8 % Pass	111.3 pcf	97.4 % Pass	12 (In.)
2	Alberta Drainage STA 0+50 5' West of Center Line	13.5 % Pass	113.4 pcf	99.2 % Pass	12 (In.)

Comment: Field testing done in general accordance with ASTM D 6938.

MILLENNIUM ENGINEERS GROUP, INC.
 TBPE FIRM No. F-3913

Raul Palma, Senior Materials Engineer

Sonia Trevino

From: Jesse Alvarez [jose.alvarez@co.hidalgo.tx.us]
Sent: Monday, November 14, 2016 11:46 AM
To: stovar@megengineers.com
Cc: Raul Sesin; Eliza Yzaguirre; Noe Saldivar; Jaime Salazar; Nora Cavazos; Maria Lulu Lucio; Roman Rodriguez; claudette.guerrero@hcdd1.org; Mellinnium; Mellinnium; rpalma@megengineers.com; Justin Borjas; omar@ogbuild.com
Subject: Pct No. 4 Flood Drainage Improvements Project, Alberta Drain

Good Morning Sergio,

Please see Testing Request Below:

Date of Service Requested: 11/14/2016 Monday

Project Name/Location: Alberta Drain Ph. 1

Time of Needed Services: 12:00 PM

Type of Service Requested: Compaction Backfill
Densities for 2-48" HPP Drainage Line from Sta. 0+00 to about Sta.2+00

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-
-
-

Note: Testing Time has already been coordinated with S.Tovar

Thank You

Jesse Alvarez
Construction Inspector
County of Hidalgo Engineering Projects Office
902 Doolittle Rd.
Edinburg , Texas 78542
Office : 956-702-7000 ext 2029
Mobile:956-533-3992

**NUCLEAR MOISTURE DENSITY
FIELD REPORT**



Project Name: Alberta Drainage Project

MEG Report Number: 01-16-19214-3-1

Service Date: November 16, 2016

Client: Hidalgo County Precinct No.4

Reported Date: November 17, 2016

P.O. # 747439

GENERAL INFORMATION

Area Tested: Canal
 Material Description: Dark Brown Sandy Clay
 Required % of Proctor: 92 Percent
 Required Moisture Range: -2 to +2
 Required Depth: 12 Inches

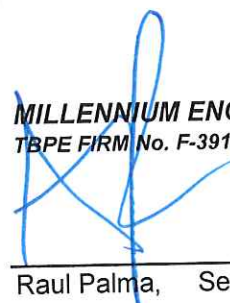
MOISTURE DENSITY RELATIONSHIP

Soil I.D.: N/A
 Material Type: Backfill
 Optimum Dry Density(pcf): 114.3
 Optimum Moisture(%): 13.9
 Lift Tested: Final lift

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	Alberta Drainage STA 1+60 5' North of Center Line	11.9 % Pass	106.5 pcf	93.2 % Pass	12 (In.)
2	Alberta Drainage STA 0+60 3' South of Center Line	13.0 % Pass	105.5 pcf	92.3 % Pass	12 (In.)

Comments: Field testing done in general accordance with ASTM D 6938.
Re-Testing will be required.


MILLENNIUM ENGINEERS GROUP, INC.
 TBPE FIRM No. F-3913
 Raul Palma, Senior Materials Engineer

**NUCLEAR MOISTURE DENSITY
FIELD REPORT**



Project Name: Alberta Drainage Project

MEG Report Number: 01-16-19214-3-2

Service Date: November 16, 2016

Client: Hidalgo County Precinct No.4
P.O. # 747439

Reported Date: November 17, 2016

GENERAL INFORMATION

Area Tested: Canal
Material Description: Dark Brown Sandy Clay
Required % of Proctor: 92 Percent
Required Moisture Range: -2 to +2
Required Depth: 12 Inches

MOISTURE DENSITY RELATIONSHIP

Soil I.D.: N/A
Material Type: Backfill
Optimum Dry Density(pcf): 114.3
Optimum Moisture(%): 13.9
Lift Tested: 1st lift

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	Alberta Drainage STA 2+50 Center Line	13.2 % Pass	115.7 pcf	100+ % Pass	12 (In.)

Comments: Field testing done in general accordance with ASTM D 6938.
Re-Testing will be required.

MILLENNIUM ENGINEERS GROUP, INC.
TBPE FIRM No. F-3913

Raul Palma, Senior Materials Engineer

Sergio Tovar (stovar@megengineers.com)

From: Jesse Alvarez <jose.alvarez@co.hidalgo.tx.us>
Sent: Wednesday, November 16, 2016 8:51 AM
To: stovar@megengineers.com
Cc: Raul Sesin; Eliza Yzaguirre; Noe Saldivar; jorge.gonzalez@hcdd1.org; Jaime Salazar; Nora Cavazos; claudette.guerrero@hcdd1.org; Maria "Lulu" Lucio; Roman Rodriguez; Justin Borjas; omar@ogbuild.com; Mellinnium; Mellinnium; rpalma@megengineers.com
Subject: Hidalgo County Pct 4 Drainage Improvements, Alberta Drain Ph. 1

Good Morning Sergio,

Please see Testing Request Below:

Date of Service Requested: 11/16/2016 Wednesday

Project Name/Location: Hidalgo County Pct 4 Drainage Improvements, Alberta Drain Ph. 1

Time of Needed Services: 04:00 PM

Type of Service Requested: Compaction Backfill
Densities for 2-48" HPP Drainage Line from Sta. 0+00 to about Sta.2+00

-
-
-
-
Note: Testing Time has already been coordinated with S.Tovar

Thank You

Jesse Alvarez
Construction Inspector
County of Hidalgo Engineering Projects Office
902 Doolittle Rd.
Edinburg , Texas 78542

Office : 956-702-7000 ext 2029
Mobile:956-533-3992

Sent from my iPhone



EXHIBIT "C"
ENGINEER'S CONTRACT FEE SCHEDULE

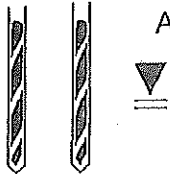
For the services to be provided by the ENGINEER the charge will be on the basis of the units and unit fee rates established in this schedule of tests, staff personnel services and additional services. The overtime premium, required by the Fair Labor Standards Act for nonexempt classifications, will be charged for overtime hours worked because of the County's requirements and its authorization. However, except for the overtime premium, the maximum charges shall not exceed the rates shown in this schedule.

SOILS AND AGGREGATE SECTION

Material Preparation Time (per hour).....	\$50.00
Atterberg Limits (each test).....	70.00
Sieve Analysis	
Dry through No. 40 (each test).....	55.00
Additional Sieves (each sieve).....	12.00
Percent Passing No. 200 Sieve (each test).....	45.00
Moisture Density Relationship	
Standard Proctor (each test).....	200.00
Modified Proctor (each test).....	215.00
TxDOT Proctor (each test).....	215.00
Nuclear Density Test (In conjunction with Inspection)	
Nuclear Density Test (min. 3, each test).....	28.00
Depth Test (each test).....	6.00
Wet Ball Mill (each test)	210.00
Determination of Optimum Lime Content	
PI Method - (each test)	275.00
Tex 121-E - (each test)	275.00
PH Method-- (each test)	275.00
Additional Points (each point).....	75.00
California Bearing Ratio (each test).....	750.00
Additional Specimens (each specimen).....	175.00
Small Moisture Content of Aggregates and Base (each test).....	13.00
Large Moisture Content of Aggregates and Base (each test).....	35.00
Linear Shrinkage (each test)	85.00
pH (each test).....	80.00
Resistivity of Soils (each test)	90.00
Specific Gravity (each test).....	75.00
Unit Weight (each test).....	45.00
Soundness (each test)	500.00
Sulfate Content (each test).....	80.00
Hydrometer (each test).....	275.00

BITUMINOUS SECTION

Material Preparation Time (per hour).....	\$55.00
Sieve Analysis for Fine and Coarse Aggregate (Tex 200-F or ASTM)	
Dry (each test).....	55.00
Additional Sieves (each sieve).....	12.00





HIDALGO COUNTY
ENGINEER'S FEE SCHEDULE

Sand Equivalent (each test)	75.00
Extraction & Gradation, Percent Asphalt (each test).....	250.00
Asphalt Cores (each core).....	60.00
Asphalt Core Density (each core).....	40.00
Thickness of Cores (each core).....	15.00
Theoretical Maximum Specific Gravity (each test)	60.00
Lab Density (each test).....	65.00
Effect of Water on Bituminous Paving Mixtures (each test)	75.00
Hveem Stability (each test).....	105.00
Coring Rig (per day).....	95.00
Asphaltic Concrete Design and Other Services	By Quote
Percent Passing No. 200 Sieve (per test).....	45.00
Molding Specimens (per set).....	60.00

CONCRETE SECTION

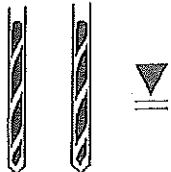
Material Preparation Time (per hour).....	\$55.00
Slump Test (In conjunction with Inspection)	
Slump Test (each test).....	20.00
Air Content of Fresh Concrete (In conjunction with Inspection)	
Pressure (each test).....	25.00
Volumetric (each test)	35.00
Concrete Cylinder Compressive Strength Test (each cylinder).....	16.00
Strip & Hold Cylinder (each cylinder).....	15.00
Concrete Beam Flexure Strength Test	
6x6x22 (each beam).....	40.00
Strip & Hold Beam (each beam).....	15.00
Concrete Cores By Circumference Area (Min. 100 sq. in.).....	2.00/sq. in.
Sawing of Concrete Cylinders or Cores (per end, per core).....	25.00
Thickness of Cores (each core).....	15.00
Coring Rig (per day).....	95.00
Portland Cement Concrete Design or other services	By Quote

MASONRY SECTION

Material Preparation Time (per hour).....	\$59.00
Grout Prism (each prism).....	24.00
Mortar Prism (each prism).....	24.00

SOIL EXPLORATION AND GEOTECHNICAL SERVICES

Drilled Borings	
In Soil, 0 – 50 feet (per foot).....	\$19.00
In Soil, 50 – 100 feet (per foot).....	22.50
In Rock	By Quote
Non-Conventional Drilling.....	By Quote
Standard Penetration Test (each test).....	12.00





HIDALGO COUNTY
ENGINEER'S FEE SCHEDULE

Texas Cone Penetration Test (each test).....	20.00
Shelby Tube Sampling (each test).....	20.00
Mobilization and Demobilization - In Rio Grande Valley (each trip)...	350.00
Mobilization and Demobilization - Outside Rio Grande Valley (each mile)	3.50/mile
Mobilization of Non-Conventional Drilling Equipment	By Quote
Trip Charge For Logger (each mile).....	0.80
Standby Time, Rig plus 2 man crew (per hour).....	200.00
Well Installation.....	By Quote
Technician To Log Soil Test Boring (per hour).....	59.00
Field Coordination	
Field Engineer (per hour).....	115.00
Utility Clearance (per hour).....	70.00
Flagman (per hour).....	59.00
Per Diem (If required)	Cost + 15%
Unconfined Compression (each test).....	45.00
Moisture Content (each test).....	13.00
Grout Backfill (per foot).....	5.00
Dozer/Clearing	Cost + 15%
Asphalt Pavement Coring (each core).....	100.00
Concrete/Asphalt Patch (per location).....	75.00

TECHNICIAN SERVICES

Soil Engineering Technician (per hour) (Min. 2 Hrs).....	\$50.00
Concrete Engineering Technician (per hour) (Min. 2 Hrs).....	55.00
Asphalt Engineering Technician (per hour) (Min. 2 Hrs).....	55.00
Masonry Engineering Technician (per hour) (Min. 2 Hrs).....	59.00
Senior Engineering Technician (per hour).....	59.00
Plant Inspection, Reinforcing Steel Inspection, Etc. (Min. 2 Hrs)	
Construction Inspection Engineering Technician Time (per hour).....	59.00
Plant Inspection, Reinforcing Steel Inspection, Etc. (Min. 2 Hrs)	
Engineering Specialist (per hour).....	70.00
Pier Inspection, Pile Load Inspections, Etc. (Min. 2 Hrs)	
Certified Welding Inspector (per hour) (Min. 4 Hrs).....	90.00

OTHER SERVICES

Vehicle Trip Charge (per trip) (within 25 miles of office).....	\$40.00
Vehicle Trip Charge (per mile) (beyond 25 miles of office).....	0.80
Other Testing Not Specified (Option 1)	Cost + 15%
Other Testing Not Specified (Option 2) (per hour).....	56.00
Other Services, Outside Services or Supplies.....	Cost + 15%
Test Reports (each report).....	30.00
Clerical/Administrative (per hour).....	50.00
Fax (per page).....	1.00
Photocopies	
8 1/2" x 11" (per page).....	0.12





8 1/2" x 14" (per page).....	0.15
11" x 17" (per page).....	0.20
Additional Insured (per request).....	200.00

PROFESSIONAL SERVICES

Principal Engineer (per hour).....	\$165.00
Project Engineer (per hour).....	125.00
Staff Engineer (per hour).....	110.00

PROJECT MANAGEMENT AND COORDINATION OF SERVICES PROVIDED

Applied to each invoice of net services provided	
Project Management (per hour).....	\$75.00

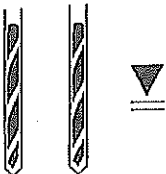
BASIC SERVICES AGREEMENT

MEG will charge overtime at the rate of 1.5 applicable for technicians for services performed before 7 AM and after 6 PM on Monday through Friday, after 8 continuous hours on the Client's project and on Saturday, Sunday and holidays.

Hours billed will be from our office at 5804 N. Gumwood, Pharr, Texas, port to port. Fractions of hours will be billed as whole hours. Technician hours will be billed a minimum of 2 hours.

Laboratory testing performed after normal work hours of 7 AM to 6 PM on Monday through Friday will be billed the test rate plus applicable overtime hourly charges.

Project management will be billed for report review, coordination and management of project personnel at a rate of one hour for every two reports.





**Construction Materials Testing Proposal
Alberta Drain Project**

SOILS SECTION

Task: Backfill Sample at Roadway (Per Trip, 8 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each)	1	70.00	70.00
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	596.25
Sub-Total (per task)	8	596.25	4,770.00

Task: Backfill density testing at Roadway (Per Trip, 60 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Nuclear density test (each)	3	28.00	84.00
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	410.25
Sub-Total (per task)	60	410.25	24,615.00

Task: Flexible Base Sample at Roadway Trench (Per Sample, 2 samples estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each)	1	70.00	70.00
Sieve Analysis (each)	1	55.00	55.00
Wet Ball Mill (each)	-	210.00	-
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.6	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per sample)	1	-	651.25
Sub-Total (per task)	2	651.25	1,302.50

Task: Flexible Base density testing at Roadway Trench (Per Trip, 30 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Nuclear density test (each)	3	28.00	84.00
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	410.25
Sub-Total (per task)	30	410.25	12,307.50

SOILS Section Total

42,995.00

Construction Materials Testing Services
 MEG Work Authorization No. 1
 June 20, 2016



CONCRETE SECTION

Task: Concrete testing at Spillway/Canal Riprap/Footing (Per Trip, 18 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Concrete Engineering Technician (hourly)	5	55.00	275.00
Slump Test (each)	1	20.00	20.00
Air Content, Pressure (each)	1	25.00	25.00
Concrete Compressive Strength Test	4	16.00	64.00
Vehicle trip charge (each)	2	40.00	80.00
Test Report (each)	2	30.00	60.00
Project Engineer (hourly)	1.0	125.00	125.00
Project Management (hourly)	0.5	75.00	37.50
Clerical (hourly)	2	50.00	100.00
Sub-Total (per trip)	1	-	786.50
Sub-Total (per task)	18	786.50	14,157.00

Concrete Section Total

14,157.00

Total Estimated Cost

\$57,152.00

HIDALGO COUNTY
Professional Construction Materials Testing and Geo
Technical Services
Agreement # C-16-173-07-06

FILED
AT 2:30 O'CLOCK P.M.
JUL 14 2016
ARTHUR GUERRERO, JR., COUNTY CLERK
HIDALGO COUNTY, TEXAS
BY *[Signature]* DEPUTY

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, **Millennium Engineers Group, Inc.**, professional Laboratory's of Pharr, Texas, hereinafter called "**Laboratory**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Laboratory** to provide

Construction Materials Testing / Geo Technical Services for the Alberta Drain 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 Laboratory** attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$57,152.00**. 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 _____** 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: Joseph Palacios

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 6th day of July, 2016.

**THE LABORATORY:
MILLENNIUM ENGINEERS GROUP, INC.**

Andres Palma
By: Andres Palma, Manager

**THE OWNER:
HIDALGO COUNTY**

Ramon Garcia
By: Ramon Garcia, County Judge



Arturo Guajardo, Jr.
By: Arturo Guajardo, Jr, County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 7/6/16

LIST OF ATTACHMENTS

- EXHIBIT "A" - Services to be Provided by the Owner
- EXHIBIT "B" - Services to be Provided by the Laboratory
- EXHIBIT "C" - Work Schedule
- EXHIBIT "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 Laboratory the following:

- 1) Provide the authorization to proceed with services through coordination with the project consulting and design Laboratory.
- 2) Payment for work performed by the Laboratory and accepted by the Owner in accordance with Article 3 of this Agreement.
- 3) Assistance to the Laboratory, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies the Laboratory 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 Laboratory's request for information and/or required submittals and deliverables, in order for the Laboratory 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 Laboratory.
- 7) Provide the authorization to proceed with services on project by project basis through consulting design and construction Laboratory.

EXHIBIT B

-Scope of Services to be provided by the Laboratory

Exhibit "B"

Services to be Provided by Laboratory

The services to be provided by the LABORATORY in providing Geotechnical Laboratory Services, Construction Materials Testing and Geo Technical Services for Hidalgo County Precinct No. 4 Alberta Drain Project, "ON A AS NEEDED BASIS" and projects is as follows:

A. Preliminary Phase:

- (1) Attend preliminary conferences with the OWNER and, if requested, with the funding agency and other government agencies or interested parties regarding the Project.
- (2) Provide for the necessary geotechnical investigation and testing necessary to develop the design.
- (3) Provide environmental studies as may be necessary to complete a project.
- (4) Provide assistance to the OWNER in providing material requirements and specifications for design, construction and maintenance projects.
- (5) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
- (6) Provide assistance to the OWNER in providing pavement rehabilitation recommendations for the design, and maintenance projects.
- (7) Provide assistance to the OWNER in providing pavement condition studies.

B. Design Phase:

- (1) Attend the OWNER'S and respective Party's meeting as requested for the purpose of explaining geotechnical investigation report recommendations and preliminary testing results and their impact to proposed design activities.
- (2) Perform any additional geotechnical investigations, testing and environmental studies necessary to collect information required in the design of the Project.
- (3) Provide assistance to the OWNER in providing material requirements and specification for design, construction and maintenance projects.
- (4) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
- (5) Provide assistance to the OWNER in providing pavement rehabilitation recommendations for the design, construction and maintenance projects.
- (6) Provide assistance to the OWNER in providing pavement condition studies.
- (7) Furnish the OWNER all necessary reports for preliminary design, design, construction and maintenance projects.

C. Construction/Maintenance Phase:

- (1) Attend the OWNER'S and respective Party's pre-construction and construction meetings as requested for the purpose of explaining geotechnical investigation report recommendation and preliminary testing results and their impact to proposed construction activities and establish coordination and lines of communication for proposed construction materials testing during construction activities.
- (2) Consult and advise with the OWNER during construction.

- (3) Provide construction materials testing for construction and maintenance projects as required by the project plans and specifications and/or specified by the project design engineer.
- (4) Review all material designs as requested by the OWNER and/or project design engineer.
- (5) Furnish the OWNER all necessary reports for construction and maintenance projects.
- (6) Provide construction inspection services as requested by the OWNER on construction and maintenance projects.

D. Miscellaneous/Other:

- (1) Act for OWNER in professional manner, using that degree of care and skill ordinarily exercised by and consistent with the standards of the profession.
- (2) Perform all technical services under the general direction of a Licensed Professional Laboratory in the State of Texas and in substantial accordance with the basic requirements of the appropriate Standards of the American Society of Testing and Materials, where applicable, or other standards designated by County.
- (3) Employ testing machines which have been calibrated within a period not exceeding twelve (12) months from the time of use by devised of accuracy traceable to the National Institute of Standards and Technology (NIST) of the United States Department of Commerce, and, upon request, submit to the OWNER or its authorized representative documentation of such calibration.
- (4) Promptly submit formal construction materials testing reports for all tests, observations, and services performed indicating where applicable, compliance with OWNER specifications or other documents. Such reports shall be completed and factual, citing the tests performed, methods employed, values obtained, parts of the structure and location at which the tests were made.
- (5) The plans and specifications prepared under this Agreement shall become the property of the OWNER upon completion of the work and payment in full of all monies due to the Laboratory.
- (6) Retain all pertinent records relating to the services performed for a period of five (5) years following submission of all reports, during which period the records will be made available to the Owner within a reasonable time.

NOTE: Change in and/or additional services to Scope will require prior approval from OWNER prior to undertaking.

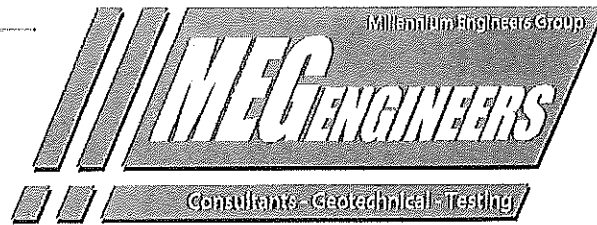
EXHIBIT C

Work Schedule

Millennium Engineers Group, Inc. will go out to site on an as-needed basis to perform testing services. Services will be provided as requested by project personnel. A 24-hour notice will be required from project personnel.

EXHIBIT D

"Proposal"



**Construction Materials Testing Proposal
Alberta Drain Project**

SOILS SECTION

Task: Backfill Sample at Roadway (Per Trip, 8 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each)	1	70.00	70.00
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	596.25
Sub-Total (per task)	8	596.25	4,770.00

Task: Backfill density testing at Roadway (Per Trip, 60 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Nuclear density test (each)	3	28.00	84.00
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	410.25
Sub-Total (per task)	60	410.25	24,615.00

Task: Flexible Base Sample at Roadway Trench (Per Sample, 2 samples estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each)	1	70.00	70.00
Sieve Analysis (each)	1	55.00	55.00
Wet Ball Mill (each)	-	210.00	-
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per sample)	1	-	651.25
Sub-Total (per task)	2	651.25	1,302.50

Task: Flexible Base density testing at Roadway Trench (Per Trip, 30 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	50.00	125.00
Nuclear density test (each)	3	28.00	84.00
Vehicle trip charge (each)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	410.25
Sub-Total (per task)	30	410.25	12,307.50

SOILS Section Total

42,995.00

Construction Materials Testing Services
 MEG Work Authorization No. 1
 June 20, 2016



CONCRETE SECTION

Task: Concrete testing at Spillway/Canal Riprap/Footing (Per Trip, 18 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Concrete Engineering Technician (hourly)	5	55.00	275.00
Slump Test (each)	1	20.00	20.00
Air Content, Pressure (each)	1	25.00	25.00
Concrete Compressive Strength Test	4	16.00	64.00
Vehicle trip charge (each)	2	40.00	80.00
Test Report (each)	2	30.00	60.00
Project Engineer (hourly)	1.0	125.00	125.00
Project Management (hourly)	0.5	75.00	37.50
Clerical (hourly)	2	50.00	100.00
Sub-Total (per trip)	1	-	786.50
Sub-Total (per task)	18	786.50	14,157.00

Concrete Section Total

14,157.00

Total Estimated Cost

\$57,152.00



**AGENDA
HIDALGO COUNTY
COMMISSIONERS COURT
MEETING
July 6, 2016
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 Clerk's Office - Arturo Guajardo, Jr.:**
 - A. AI-55255 Resolution in honor of District Clerk Laura Hinojosa
6. **Sheriff's Office:**
 - A. AI-55269 Sheriff Dept.:
 1. Approval of authorization for the Hidalgo County Sheriff's Office to continue participation in the Texas 1033 Surplus Property Program.
 2. Authorization for County Judge, as authorized official, to sign the required documents.
 - B. AI-55171 Sheriff's - Click It or Ticket Mobilization Grant (1284):
Authorization for County Judge, as authorized official to sign grant agreement related to 2015 Memorial Day Click it or Ticket Incentive award which was accepted 10/13/15(AI#51631)

2. Approval of 2016 appropriation of funds for various Pct 4 General Fund operating accounts.

- 2. AI-55210 Refunding Bonds, Series 2014B (1444):
Approval of 2016 appropriation of funds in the amount of \$0.34 in relation to bond interest payment due.

C. Interfund transfers:

- 1. AI-55186 Various CO2015A - Pct 1 Projects (1347):
Approval of 2016 interfund transfer from TXDOT-Pct 1 M6W(US83-SH107) (1315) to various CO2015A-Pct 1 projects (1347) in the amount of \$360,000.00.

- D. AI-55148 Pct 2 CRC-San Juan (1100), Sheriff (1100):
1. Approval of the following corrections to position titles:

Dept.	Slot No.	Current Title	Proposed Title
122-018	0002	Outreach Work	Outreach Worker
122-018	0003	Outreach Work	Outreach Worker
280-001	0247	Quarter Master	Quartermaster

- 2. Approval to revise salary schedule as per commissioners' court action.

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 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).

18.

A. Hidalgo County

D. **Pct. 4**

1. AI-55207 A. Acceptance and approval of Supplemental Agreement No. 2 1 to "extend the term" of current Professional Engineering Services Agreement # C-13-178-08-20, in order to complete engineering services identified in Exhibit B (Services to be provided by the Engineer) and Exhibit C (Work Schedule) as submitted by L&G ENGINEERING for the purposes of "engineering services" for ongoing project: FM 2220 (Ware Road Project) within Hidalgo County Precinct No. 4, to expire August 18, 2018 (subject to compliance with HB1295 and/or HB23 when and if applicable).
- B. Requesting approval of a "professional services agreement" #C-16-248-07-06 with Terracon Consultants, Inc. for the purposes of "professional engineering services" for (job specific) project: "Mile 17 ½ (Paving & Drainage Improvements) within Hidalgo County Precinct No. 4 (subject to compliance with HB1295 and/or HB23 when and if applicable).
- C. Requesting approval of Work Authorization No. 1 in the amount of (\$ 13,760.00) from Terracon Consultants, Inc. for "professional engineering services" in connection to agreement# C-16-248-07-06 for (job specific) project: Mile 17 ½ (Paving & Drainage Improvements)within Hidalgo County Precinct No. 4.
- D. Requesting approval of a "professional services agreement" #C-16-173-07-06 with Millennium Engineers Group, Inc. for the purposes of "Construction Material Testing / GEO Technical Services" for (job specific) project: "Alberta Drain" within Hidalgo County Precinct No. 4 (subject to compliance with HB1295 and/or HB23 when and if applicable).

APPROVED

E. Requesting approval of Work Authorization No. 1 in the amount of (\$ 57,152.00) from Millennium Engineers Group, Inc. for "Construction Material Testing / GEO Technical Services" for (job specific) project: "Alberta Drain" within Hidalgo County Precinct No. 4.

E. **HIDTA**

1. AI-55122 A. Requesting exemption from competitive procurement requirements pursuant to Texas Local Government Code, 262.024 (a)(7)(A); items for which competition is precluded because of the existence of patents, copyrights, and covert processes;
- B. Approval of a "Sole Source Declaration" for "CALLYO 2009 CORP" for the purchase of Callyo System and related services, software, virtual training, and accessories; including any present/future system upgrades and/or accessories to be used by HIDTA Task Force and other related Hidalgo County Law Enforcement Agencies (all funding sources) with said declaration to remain in effect while declaration is in place or until revoked