



HIDALGO COUNTY PCT. 1
1902 JOE STEPHENS, STE. 101
WESLACO, TEXAS 78599

PH:956.968.8733
FAX:956.969.1417

A.C. CUELLAR JR.

COMMISSIONER PRECINCT 1

December 8, 2016

Mr. Ray Eufrazio, CPA
Hidalgo County Auditor
Attn: Lupita Garza
2808 S. Business Hwy 281
Edinburg, TX 78539-6243

RE: Request for material testing – Mile 4 Rd (Mile 10 to Mile 12) Paving and Drainage Improvements

Dear Mr. Eufrazio:

During the construction of the above-mentioned project, Precinct 1 contacted Millennium Engineers Group, Inc. (MEG) for testing services via phone call. Oscar Gonzales would contact Humberto Palma from MEG, and did so on the following dates:

05/18/16 - Flexible Base Laboratory Testing
05/19/16 - Nuclear Moisture Density Test
05/20/16 - Nuclear Moisture Density Test
05/23/16 - Nuclear Moisture Density Test
05/26/16 - Nuclear Moisture Density Test

Should you have any questions or concerns please do not hesitate to contact Yolanda Estrada at (956) 968-8733 ext. 1021.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1



Invoice

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

Pct. 1
 C.I.P.

1e -1347-431-00-121-201e -0-721

Date	Invoice #
6/30/2016	619138-0716

INVOICE RECEIVED BY
Y. Landa Estacion on 12/06/14
 GOODS/SERVICES RECEIVED BY:
 _____ on _____

Bill To
Hidalgo Co. Precinct No. 1 Commissioner A.C. Cuellar 1902 Joe Stephens Ave. Suite 101 Weslaco, Texas 78596

Terms	Due Date	MEG Project
Due on receipt	6/30/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
P.O. # 738416			
Report No. 01-16-19138-20-3			
Soil Engineering Technician (hourly)	0.25	47.00	11.75
Standard Proctor (each)	1	200.00	200.00
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	500.00	500.00
Report No. 01-16-19138-21-1			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	3	28.00	84.00
Vehicle Trip Charge (each)	1	37.00	37.00
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. 01-16-19138-22-1			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	5	28.00	140.00
Vehicle Trip Charge (each)	1	37.00	37.00
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

Innovative. Experienced. Professional.		Total				
<table border="1"> <tr> <th>Phone #</th> <th>Fax #</th> </tr> <tr> <td>(956) 702-8500</td> <td>(956) 702-4180</td> </tr> </table>		Phone #	Fax #	(956) 702-8500	(956) 702-4180	Payments/Credits
Phone #	Fax #					
(956) 702-8500	(956) 702-4180					
		Balance Due				



Invoice

Date	Invoice #
6/30/2016	619138-0716

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

Bill To
Hidalgo Co. Precinct No. 1 Commissioner A.C. Cuellar 1902 Joe Stephens Ave. Suite 101 Weslaco, Texas 78596

Terms	Due Date	MEG Project
Due on receipt	6/30/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19138-23-1			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	3	28.00	84.00
Vehicle Trip Charge (each)	1	37.00	37.00
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. 01-16-19138-24-1			
Soils Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	5	28.00	140.00
Vehicle Trip Charge (each)	1	37.00	37.00
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	\$2,534.00
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$2,534.00

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: Mile 4 Rd. (Mile 10 - Mile 12)

MEG Report Number: 01-16-19138-21-1

Client: Hidalgo County

Service Date: May 19, 2016

Precint No.1, Po # 738416

Reported Date: May 20, 2016

GENERAL INFORMATION

MOISTURE DENSITY RELATIONSHIP

Area Tested: Roadway
 Material Description: Caliche
 Required % of Proctor: 98 Percent
 Required Moisture Range: -2 to +3
 Required Depth: 4 Inches

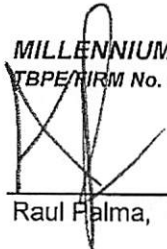
Soil I.D.: N/A
 Material Type: Flexible Base
 Optimum Dry Density(pcf): 117.0
 Optimum Moisture(%): 13.8
 Lift Tested: Final lift

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	Mile 4 Rd. STA 50+00 5' East of Center Line	9.6 % Fail	116.4 pcf	99.5 % Pass	4 (In.)
2	Mile 4 Rd. STA 47+00 3' West of Center Line	10.6 % Fail	118.2 pcf	100+ % Pass	4 (In.)
3	Mile 4 Rd. STA 44+00 10' East of Center Line	10.9 % Fail	115.9 pcf	99.1 % Pass	4 (In.)

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

MILLENNIUM ENGINEERS GROUP, INC.
 TBPE/IRM No. F-3913


 Raul Palma, Senior Materials Engineer

**NUCLEAR MOISTURE DENSITY
FIELD REPORT**



Project Name: Mile 4 Rd. (Mile 10 - Mile 12)

MEG Report Number: 01-16-19138-22-1

Client: Hidalgo County

Service Date: May 20, 2016

Precint No.1, Po # 738416

Reported Date: May 23, 2016

GENERAL INFORMATION

MOISTURE DENSITY RELATIONSHIP

Area Tested: Roadway
 Material Description: Lime Treated Salvage Base
 Required % of Proctor: 98 Percent
 Required Moisture Range: -2 to +3
 Required Depth: 4 Inches

Soil I.D.: N/A
 Material Type: Flexible Base
 Optimum Dry Density(pcf): 117.0
 Optimum Moisture(%): 13.8

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	(Re-Test)Mile 4 Rd. STA 50+00 5' East of Center Line	11.8 % Pass	121.3 pcf	100+ % Pass	4 (In.)
2	(Re-Test)Mile 4 Rd. STA 47+00 3' West of Center Line	11.9 % Pass	120.5 pcf	100+ % Pass	4 (In.)
3	(Re-Test)Mile 4 Rd. STA 44+00 10' East of Center Line	11.9 % Pass	120.2 pcf	100+ % Pass	4 (In.)
4	Mile 4 Rd. STA 41+00 5' East of Center Line	12.4 % Pass	115.5 pcf	98.7 % Pass	4 (In.)
5	Mile 4 Rd. STA 38+50 8' West of Center Line	13.3 % Pass	118.2 pcf	100+ % Pass	4 (In.)

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

Test No.1,2 & 3 are Re-Tests for Test No.1,2 & 3 on Report No. 01-16-19138-21-1.

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

Raul Palma, Senior Materials Engineer

**NUCLEAR MOISTURE DENSITY
FIELD REPORT**



Project Name: Mile 4 Rd. (Mile 10 - Mile 12)

MEG Report Number: 01-16-19138-23-1

Client: Hidalgo County

Service Date: May 23, 2016

Precint No.1, Po # 738416

Reported Date: May 24, 2016

GENERAL INFORMATION

Area Tested: Roadway
 Material Description: Lime Treated Salvage Base
 Required % of Proctor: 98 Percent
 Required Moisture Range: -2 to +3
 Required Depth: 4 Inches

MOISTURE DENSITY RELATIONSHIP

Soil I.D.: N/A
 Material Type: Flexible Base
 Optimum Dry Density(pcf): 117.0
 Optimum Moisture(%): 13.8
 Lift Tested: Final lift

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	Mile 4 Rd. STA 30+00 8' West of Center Line	11.7 % Pass	115.1 pcf	98.4 % Pass	4 (In.)
2	Mile 4 Rd. STA 33+00 8' East of Center Line	11.9 % Pass	119.7 pcf	100+ % Pass	4 (In.)
3	Mile 4 Rd. STA 36+00 5' West of Center Line	11.8 % Pass	119.9 pcf	100+ % Pass	4 (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

**NUCLEAR MOISTURE DENSITY
FIELD REPORT**



Project Name: Mile 4 Rd. (Mile 10 - Mile 12)

MEG Report Number: 01-16-19138-24-1

Client: Hidalgo County

Service Date: May 26, 2016

Precint No.1, Po # 738416

Reported Date: May 30, 2016

GENERAL INFORMATION

Area Tested: Roadway
 Material Description: Light Tan Caliche
 Required % of Proctor: 98 Percent
 Required Moisture Range: -2 to +3
 Required Depth: 4 Inches

MOISTURE DENSITY RELATIONSHIP

Soil I.D.: N/A
 Material Type: Flexible Base
 Optimum Dry Density(pcf): 117.0
 Optimum Moisture(%): 13.8

FIELD DENSITY TEST DATA (ASTM D 6938)

Test Number	Test Location	Moisture Content	Dry Density	Percent Compaction	Depth Tested
1	Mile 4 Rd. STA 28+00 5' West of Center Line	11.9 % Pass	119.6 pcf	100+ % Pass	4 (In.)
2	Mile 4 Rd. STA 25+50 5' East of Center Line	13.9 % Pass	119.2 pcf	100+ % Pass	4 (In.)
3	Mile 4 Rd. STA 23+00 5' West of Center Line	12.1 % Pass	119.1 pcf	100+ % Pass	4 (In.)
4	Mile 4 Rd. STA 20+00 5' East of Center Line	13.8 % Pass	117.4 pcf	100+ % Pass	4 (In.)
5	Mile 4 Rd. STA 17+00 5' West of Center Line	11.9 % Pass	117.5 pcf	100+ % Pass	4 (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

FILED
AT 10:15 O'CLOCK A.M.

JAN 27 2016

ACTING COUNTY CLERK
HIDALGO COUNTY TEXAS

HIDALGO COUNTY
Professional Construction Material Testing Laboratory
Services
Agreement # C-15-319-09-15

WORK AUTHORIZATION NO. 4

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 Engineering and Testing Services for the Mile 4 Road (Mile 10 to Mile 12) 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 \$46,076.75. 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 4 of the Agreement.

PART 4. FUNDING

This Work Authorization No. 4 shall be funded through funding source:

Account No. 6-1347-431-00-121-206-0-721

Requisition Number 290715 (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. 1, Commissioner, A.C. Cuellar, Jr., as to content and detail of this Work Authorization No. 4

**HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:**

BY: Ramon Garcia A.C. Cuellar

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 ____ day of _____, 2016.

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

**THE OWNER:
HIDALGO COUNTY**

Raul Palma
By: Raul Palma, President

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

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

APPROVED BY
COMMISSIONERS' COURT
ON: 1/19/16



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 Services, Construction Observation Services and Environmental Services for Hidalgo County Precinct No. 1 Projects, "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 device 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"



**Work Schedule
Proposed Construction Materials Engineering and Testing Services
Mile 4 Road (Mile 10 to Mile 12) Project**

SOIL BORINGS SECTION

Task: Ten (10) 5' depth soil borings at Roadway prior to construction (1 trip estimated)
Measurement of Existing Materials, Soil Sampling, Laboratory Testing, and Pavement Recommendations.

Line Item	Qty.	Unit Rate	Estimated Cost
Drilled Borings, Soil (per foot)	50	19.00	950.00
Standard Penetration Test (each)	30	12.00	360.00
Mobilization and Demobilization (each)	1	350.00	350.00
Technician to Log Soil Test Boring (per hour)	12	54.00	648.00
Soil Material Preparation (per hour)	4	47.00	188.00
Utility Clearance (per hour)	4	70.00	280.00
Atterberg Limits (each)	20	70.00	1,400.00
Sieve Analysis (each)	20	55.00	1,100.00
Moisture Content (each)	30	13.00	390.00
Vehicle trip charge (each)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	8	125.00	1,000.00
Project Management (hourly)	12	75.00	900.00
Clerical (hourly)	2	50.00	100.00
Sub-Total (per trip)	1	-	7,776.00
Sub-Total (per task)	1	7,776.00	7,776.00

SOILS SECTION

Task: Initial Subgrade Sample for Determination of Optimum Lime Content at Roadway (Per Trip, 3 trip estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	4	47.00	188.00
Determination of Optimum Lime Content, PI method (each)	1	275.00	275.00
Vehicle trip charge (each)	1	37.00	37.00
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	-	661.25
Sub-Total (per task)	3	661.25	1,983.75

Task: Subgrade Sample at Roadway (Per Trip, 5 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each)	1	70.00	70.00
Vehicle trip charge (each)	1	37.00	37.00
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	-	585.75
Sub-Total (per task)	5	585.75	2,928.75



Task: Flexible Base Sample at Roadway (Per Trip, 5 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	47.00	117.50
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)	1	210.00	210.00
Vehicle trip charge (each)	1	37.00	37.00
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	-	850.75
Sub-Total (per task)	5	850.75	4,253.75

Task: Subgrade density testing at Roadway (Per Trip, 21 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear density test (each)	3	28.00	84.00
Vehicle trip charge (each)	1	37.00	37.00
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	-	399.75
Sub-Total (per task)	21	399.75	8,394.75

Task: Flexible Base density testing at Roadway (Per Trip, 15 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear density test (each)	3	28.00	84.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	125.00	57.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	399.75
Sub-Total (per task)	15	399.75	5,996.25

SOILS Section Total

23,557.25

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 9 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	4	52.00	208.00
Nuclear Density Test (each)	3	28.00	84.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	125.00	57.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	485.25
Sub-Total (per task)	9	485.25	4,367.25

Task: HMAC Pavement Laboratory Testing (9 samples estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Extraction & Gradation, percent asphalt (each)	1	250.00	250.00
Theoretical maximum specific gravity of mixtures (each)	1	60.00	60.00
Lab Density (each)	1	65.00	65.00
Sub-Total (per trip)	1	-	375.00
Sub-Total (per task)	9	375.00	3,375.00

Construction Materials Testing Services
 MEG Proposal No.: 01-16-105M
 January 11, 2016



Task: HMAC Pavement Field Coring (Per Trip, 6 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	6	52.00	312.00
Coring Rig (each)	1	95.00	95.00
Asphalt Cores (each)	8	60.00	480.00
Asphalt Core Density (each)	8	40.00	320.00
Vehicle trips (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	125.00	57.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	1,400.25
Sub-Total (per task)	5	1,400.25	7,001.25

HMAC Pavement Section Total

14,743.50

Total Estimated Cost

\$46,076.75



Purchase Order COUNTY OF HIDALGO

PO# 738416

DATE: 02/10/16

PAGE NO: 1 OF 1

PO TYPE:

VENDOR: 284009

REQ: 00290715

CANCELLED: 09-14-16

PHONE: (956) 383-8522

Fax: (956) 383-0295

EMAIL:

SHIP TO: HIDALGO CO. PCT 1

1902 Joe Stephens Ave
WESLACO TX 78596

MILLENNIUM ENGINEERS GROUP, INC.

P.O. BOX 4569

EDINBURG TX 78540-4569

CONTACT: RLOZANO/D.R.

(956) 968-8733

SITE: COMMISSIONER, PRECINCT 1

CONTRACT NO: C-15-319-09-15

SPECIAL INSTRUCTIONS: RK2

VENDOR NOTES

1. Do not add to, or alter this Purchase Order. This Order is not renewable.
2. TAX EXEMPTION: This Purchase Order may be accepted in lieu of Exemption Certificate.
3. This Order is also placed F.O.B. Destination. Vendor must repay all shipping costs.
4. Invoice each Purchase Order singly. Original invoices are required customer copy may be accepted. Out number must appear on all invoices, bills of lading, and packages.
6. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		DO NOT DUPLICATE ORDER		
		C-15-319-09-15 EXP. 09-14-2016		
1.00	EACH	CC WORK AUTHORIZATION NO.4 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE MILE 4 ROAD (MILE 10 - MILE 12) PROJECT.	46,076.75	46,076.75
		TOTAL:		46,076.75
		***** For Hidalgo County use only 6-1347-431-00-121-206-0-721		46,076.75

Authorized by:

Martha Salazar