



Invoice

Date	Invoice #
12/31/2015	519269-0116

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

INVOICE RECEIVED BY
Hidalgo Estro ON *5/25/16*
 GOODS/SERVICES RECEIVED BY
Q. J. ... ON *11/18-12/23/15*

PAST DUE!
141 days

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

Pct. 1
 C.I.P.
6-1345-431-00-121-198-0-701
 PO# 734790

Terms	Due Date	MEG Project
Due on receipt	12/31/2015	Norene Dr. Improvements Project

Description	Qty	Rate	Amount
PO# 734790			
Report No. 01-15-19156-2-1 ✓			
Asphalt Engineering Technician (hourly)	5.5	52.00	286.00
Nuclear Density Test - Asphalt (each test)	3	28.00	84.00
Vehicle Trip Charge (per trip)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	125.00	62.50
Project Management (per hour)	0.25	75.00	18.75
Clerical/Administrative (per hour)	1	50.00	50.00
+ Report No. 01-15-19269-2-2			
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 test)	1	65.00	65.00
+ Report No. 01-15-19269-3-1			
Asphalt Engineering Technician (hourly)	5.5	52.00	286.00
Nuclear Density Test - Asphalt (each test)	3	28.00	84.00
Vehicle Trip Charge (per trip)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	125.00	62.50
Project Management (per hour)	0.25	75.00	18.75
Clerical/Administrative (per hour)	1	50.00	50.00
Report No. 01-15-19269-3-2			

Innovative. Experienced. Professional.		Total				
<table border="1"> <tr> <td>Phone #</td> <td>Fax #</td> </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 #
12/31/2015	519269-0116

Millennium Engineers Group, Inc.
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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	12/31/2015	Norene Dr. Improvements Project

Description	Qty	Rate	Amount
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 test)	1	65.00	65.00
Report No. 01-15-19269-4-1 ✓			
Asphalt Engineering Technician (hourly)	4	52.00	208.00
Coring Rig (each)	1	95.00	95.00
Asphalt Cores (each core)	4	60.00	240.00
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. 01-15-19269-5-1			
Soil Engineering Technician (hourly)	4	47.00	188.00
Nuclear Density Test - Soils (each test)	9	28.00	252.00
Vehicle Trip Charge (per trip)	1	40.00	40.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	125.00	62.50
Project Management (per hour)	0.25	75.00	18.75
Clerical/Administrative (per hour)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$3,278.00
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$3,278.00

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



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

November 30, 2016

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

RE: Request for material testing –Norene Drive project

Dear Mr. Eufracio:

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:

11/19/15 - Asphalt Rolling Patterns
11/19/15 - Asphalt lab testing
11/20/15 - Asphalt Rolling Patterns
11/20/15 - Asphalt lab testing
12/23/15 – Asphalt pavement cores
11/18/15- Flexible base Nuclear Density Testing

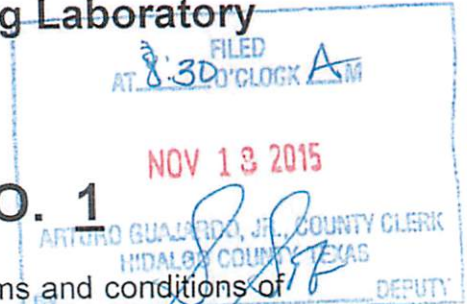
Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

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

WORK AUTHORIZATION NO. 1



THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **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 Norene Drive Improvements 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 **\$7,742.00**. 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 4** of the Agreement.

PART 4. FUNDING

This Work Authorization No. **1** shall be funded through funding source:
Account No. 5-1345-431-00-121-198-0-721
Requisition Number 286459 (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. 1**

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

BY: AC 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 _____, 2015.

**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: 11/10/15 mb

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"



Purchase Order COUNTY OF HIDALGO

PO# 734790

DATE: 11/17/15

PAGE NO: 1 OF 1

PO TYPE:

VENDOR: 284009

REQ: 00286459

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:

SITE: COMMISSIONER, PRECINCT 1

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

SPECIAL INSTRUCTIONS: RK78

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.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	EACH	DO NOT DUPLICATE ORDER C-15-319-09-15 EXP. 09-14-2016 CC WORK AUTHORIZATION NO.1 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE NORENE DRIVE IMPROVEMENTS PROJECT.	7,742.00	7,742.00
		TOTAL:		7,742.00
		***** For Hidalgo County use only 5-1345-431-00-121-198-0-721		7,742.00

Authorized by: Martha Salazar



Invoice

Date	Invoice #
2/29/2016	419203-0316

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

Bill To
Hidalgo Co. Precinct No. 1 Mr. Raul Lozano 1902 Joe Stephens Ave. Suite 101 Weslaco, Texas 78596

Terms	Due Date	MEG Project
Due on receipt	2/29/2016	Sioux Rd. Paving and Drainage Improv.

Description	Qty	Rate	Amount
Report No. 01-14-19203-37			
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Standard Proctor (each)	1	175.00	175.00
Atterberg Limits (each)	1	61.00	61.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-38			
Soil Engineering Technician (hourly)	2	41.00	82.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-39			
Soil Engineering Technician (hourly)	2	41.00	82.00
Nuclear Density Test (each)	2	22.00	44.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75

Innovative. Experienced. Professional.	Total
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



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2/29/2016	419203-0316

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 PO Box 4569, Edinburg, Texas
 78540-4569

Bill To
Hidalgo Co. Precinct No. 1 Mr. Raul Lozano 1902 Joe Stephens Ave. Suite 101 Weslaco, Texas 78596

Terms	Due Date	MEG Project
Due on receipt	2/29/2016	Sioux Rd. Paving and Drainage Improv.

Description	Qty	Rate	Amount
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-40			
Asphalt Engineering Technician (hourly)	6	44.00	264.00
Nuclear Density Test (each)	6	22.00	132.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-40-3			
Extraction & Gradation, percent asphalt (each)	1	225.00	225.00
Theoretical Maximum Specific Gravity (each)	1	60.00	60.00
Lab Density (each)	1	65.00	65.00
Report No. 01-14-19203-41			
Soil Engineering Technician (hourly)	2	41.00	82.00
Nuclear Density Test (each)	4	22.00	88.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-42			

Innovative. Experienced. Professional.	Total
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



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Millennium Engineers Group, Inc.
 PO Box 4569, Edinburg, Texas
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Bill To
Hidalgo Co. Precinct No. 1 Mr. Raul Lozano 1902 Joe Stephens Ave. Suite 101 Weslaco, Texas 78596

Terms	Due Date	MEG Project
Due on receipt	2/29/2016	Sioux Rd. Paving and Drainage Improv.

Description	Qty	Rate	Amount
Soil Engineering Technician (hourly)	3	41.00	123.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-43			
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Nuclear Density Test (each)	5	22.00	110.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-44			
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00

Innovative. Experienced. Professional.	Total
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 PO Box 4569, Edinburg, Texas
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Bill To
Hidalgo Co. Precinct No. 1 Mr. Raul Lozano 1902 Joe Stephens Ave. Suite 101 Weslaco, Texas 78596

Terms	Due Date	MEG Project
Due on receipt	2/29/2016	Sioux Rd. Paving and Drainage Improv.

Description	Qty	Rate	Amount
Report No. 01-14-19203-45			
Soil Engineering Technician (hourly)	2	41.00	82.00
Nuclear Density Test (each)	2	22.00	44.00
Vehicle Trip Charge (each) ✓	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-46 ✓			
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-47 ✓			
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Nuclear Density Test - Soils (each test)	4	22.00	88.00
Vehicle Trip Charge (per trip)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	105.00	52.50
Project Management (per hour)	0.25	67.00	16.75
Clerical/Administrative (per hour)	1	40.00	40.00

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Terms	Due Date	MEG Project
Due on receipt	2/29/2016	Sioux Rd. Paving and Drainage Improv.

Description	Qty	Rate	Amount
Report No. 01-14-19203-48-1 ✓			
Asphalt Engineering Technician (hourly)	5.5	44.00	242.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-48-2 ✓			
Extraction & Gradation, percent asphalt (each)	1	225.00	225.00
Theoretical Maximum Specific Gravity of Mixtures (each)	1	60.00	60.00
Lab Density (each)	1	65.00	65.00
Report No. 01-14-19203-49-1 ✓			
Asphalt Engineering Technician (hourly)	6	44.00	264.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-49-2 ✓			
Extraction & Gradation, percent asphalt (each)	1	225.00	225.00

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Pct. 1 *fy*
 C.I.P.
6-1303-431-00-121-133-0-721
 PO# 713933

Terms	Due Date	MEG Project
Due on receipt	2/29/2016	Sioux Rd. Paving and Drainage Improv.

Description	Qty	Rate	Amount
Theoretical Maximum Specific Gravity of Mixtures (each)	1	60.00	60.00
Lab Density (each)	1	65.00	65.00
Report No. 01-14-19203-50-1 ✓			
Asphalt Engineering Technician (hourly)	4.5	44.00	198.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Report No. 01-14-19203-50-2 ✓			
Extraction & Gradation, percent asphalt (each)	1	225.00	225.00
Theoretical Maximum Specific Gravity of Mixtures (each)	1	60.00	60.00
Lab Density (each)	1	65.00	65.00

INVOICE RECEIVED BY
[Signature] on 6/16/16
 GOODS/SERVICES RECEIVED BY:
[Signature] on 6/24/16

Innovative. Experienced. Professional.	Total	\$7,003.00
--	--------------	------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$7,003.00

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



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

June 24, 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 – Sioux Rd. (Tower – Val Verde) 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:

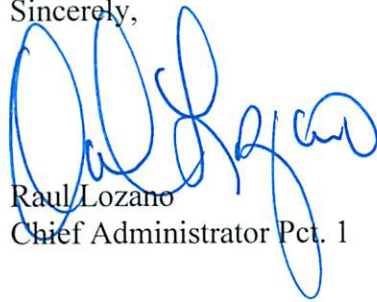
11/30/15 – Flexible base sample pick up @ STA 57+00
12/03/15 – Flexible base Nuclear Density Testing
12/09/15 – Subgrade Nuclear Density Testing
12/17/15 – Asphalt Rolling Patterns
12/17/15 – Asphalt lab testing
12/29/15 – Flexible base Nuclear Density Testing
01/15/16 – Salvage Base Nuclear Density Testing
01/08/16 – Flexible base Nuclear Density Testing
01/14/16 – Subgrade Nuclear Density Testing
01/15/16 – Subgrade Nuclear Density Testing @ STA 19+70 & STA 23+00
01/20/16 – Subgrade Nuclear Density Testing @ STA 29+00, 25+00 & 21+00
01/25/16 – Flexible Nuclear Density Testing @ STA 29+00 to 30+50

(Continued on next page)

02/02/16 – Asphalt Rolling Patterns
02/02/16 – Asphalt Lab Testing
02/10/16 – Asphalt Rolling Patterns
02/10/16 – Asphalt Lab Testing STA 22+00
02/11/16 – Asphalt Rolling Patterns STA 40+00 to 46+00
02/11/16 – Asphalt Lab Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Raul Lozano', is written over the printed name and title.

Raul Lozano
Chief Administrator Pct. 1

APPROVED

AI-46119

Purchasing Department 22. B. 1.

CC - REGULAR

Meeting Date: 08/25/2014

Submitted For: Comm. AC Cuellar, HC
Pct. #1

Submitted By: Vangie Garcia, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Acceptance and approval of Work Authorization No. 3 in connection to Contract #C-13-243-08-27 with Millennium Engineers Group, Inc. in the amount of \$23,461.50 through assigned requisition #262245 pursuant to AI#46089 for line item transfer for the provision of "Construction Materials Testing Services" for the "Sioux Road Paving and Drainage Improvements (Tower Road to Val Verde Road) project.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2014

ACCT. #: 1339-431-00-121-XXX-0-731

FUNDS AVAILABLE Y/N?: Y

MATCHING FUNDS Y/N?: N

BUDGETARY IMPACT:

Funds available pending CC approval of AI-46089.

Attachments

AI#46089 LINE ITEM TRANSFER
WORK AUTHORIZATION NO. 3

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	08/21/2014 02:11 PM
Budget & Management	Debbie Tamez	08/21/2014 02:19 PM
Glinda Pacheco	Glinda Pacheco	08/21/2014 03:37 PM
Auditor's Office	Monica Badillo	08/21/2014 05:39 PM
Form Started By: Vangie Garcia		Started On: 08/21/2014 12:07 PM
	Final Approval Date: 08/21/2014	

HIDALGO COUNTY
Professional Construction Material Testing Laboratory
Services
Agreement # C-13-243-08-27

WORK AUTHORIZATION NO. 3

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 **Edinburg, 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 Sioux Road Paving and Drainage Improvements (Tower Road to Val Verde Road) 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 **\$23,461.50**. 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 3** of the Agreement.

PART 4. FUNDING

This Work Authorization No. **3** shall be funded through funding source:

Account No. 4-1339-431-00-121-183-0-731

Requisition Number 262245 (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. 3**

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

BY: AC Cuellar Jr

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 _____, 2014.

**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: 8/25/14

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 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.



ASPHALT (PRIOR TO CONSTRUCTION PAVEMENT DEPTH CHECK)

Task	Qty.	Unit Rate	Estimated Cost
Asphalt testing & observation (hourly)	20	44.00	880.00
Coring Rig (each)	1	75.00	75.00
Asphalt Cores (each)	8	60.00	480.00
Vehicle trips (each)	2	37.00	74.00
Depth Test (each)	8	6.00	48.00
Sub-Total (Asphalt)			1,557.00

SOILS (ASSUMING ONE LANE AT A TIME CONSTRUCTION SEQUENCE)

Task	Qty.	Unit Rate	Estimated Cost
Field testing & observation (hourly)	75	41.00	3,075.00
Standard Proctor (each)	5	175.00	875.00
Atterberg Limits (each)	5	61.00	305.00
Nuclear Density tests (each)	72	22.00	1,584.00
Vehicle trips (each)	29	37.00	1,073.00
Sieve Analysis (each)	2	55.00	110.00
Wet Ball Mill (each)	2	185.00	370.00
Sub-Total (Soils)			7,392.00

ASPHALT (ASSUMING ONE LANE AT A TIME CONSTRUCTION SEQUENCE)

Task	Qty.	Unit Rate	Estimated Cost
Asphalt testing & observation (hourly)	72	44.00	3,168.00
Extraction & Gradation, percent asphalt (each)	8	225.00	1,800.00
Theoretical maximum specific gravity of mixtures (each)	8	60.00	480.00
Lab Density (each)	8	65.00	520.00
Nuclear Density Tests (each)	16	22.00	352.00
Coring Rig (each)	4	75.00	300.00
Asphalt Cores (each)	16	60.00	960.00
Asphalt Core Density (each)	16	40.00	640.00
Vehicle trips (each)	12	37.00	444.00
Other:			
Sub-Total (Asphalt)			8,664.00

PROJECT MANAGEMENT AND ADMINISTRATION

Task	Qty.	Unit Rate	Estimated Cost
Test Report (each)	42	30.00	1,260.00
Project Engineer (hourly)	21	105.00	2,205.00
Project Management (hourly)	10.5	67.00	703.50
Clerical (hourly)	42	40.00	1,680.00
Sub-Total (Mgmt. & Admin.)			5,848.50

Total Estimated Cost

\$23,461.50

The following assumptions were used in preparing the proposal:

- MEG's proposal is dependent on the duration of construction days and additional compensation may be required if the construction sequence is slower or faster than typical construction.
- MEG's proposal is dependent on the construction sequence that is used by the General Contractor. Estimated quantities herein are based on the most efficient scheduling the General Contractor can use to combine our services when applicable. Standby time, weather, and cancellations have not been factored into the proposal.
- The Contractors on the site will work a single shift, on a 5 days per week schedule.
- Construction Material Testing Services will be scheduled with 24 hours notice.
- Services provided outside of regular business hours as outlined in the Provisions section of this proposal, or services provided on Saturday, Sunday, or Holidays will be invoiced at 1.3 times the applicable unit rate.

EXHIBIT D

"Proposal"

Construction Materials Testing Services
 MEG Proposal No.: 01-14-177M
 July 3, 2014



ASPHALT (PRIOR TO CONSTRUCTION PAVEMENT DEPTH CHECK)

Task	Qty.	Unit Rate	Estimated Cost
Asphalt testing & observation (hourly)	20	44.00	880.00
Coring Rig (each)	1	75.00	75.00
Asphalt Cores (each)	8	60.00	480.00
Vehicle trips (each)	2	37.00	74.00
Depth Test (each)	8	6.00	48.00
Sub-Total (Asphalt)			1,557.00

SOILS (ASSUMING ONE LANE AT A TIME CONSTRUCTION SEQUENCE)

Task	Qty.	Unit Rate	Estimated Cost
Field testing & observation (hourly)	75	41.00	3,075.00
Standard Proctor (each)	5	175.00	875.00
Atterberg Limits (each)	5	61.00	305.00
Nuclear Density tests (each)	72	22.00	1,584.00
Vehicle trips (each)	29	37.00	1,073.00
Sieve Analysis (each)	2	55.00	110.00
Wet Ball Mill (each)	2	185.00	370.00
Sub-Total (Soils)			7,392.00

ASPHALT (ASSUMING ONE LANE AT A TIME CONSTRUCTION SEQUENCE)

Task	Qty.	Unit Rate	Estimated Cost
Asphalt testing & observation (hourly)	72	44.00	3,168.00
Extraction & Gradation, percent asphalt (each)	8	225.00	1,800.00
Theoretical maximum specific gravity of mixtures (each)	8	60.00	480.00
Lab Density (each)	8	65.00	520.00
Nuclear Density Tests (each)	16	22.00	352.00
Coring Rig (each)	4	75.00	300.00
Asphalt Cores (each)	16	60.00	960.00
Asphalt Core Density (each)	16	40.00	640.00
Vehicle trips (each)	12	37.00	444.00
Other:			
Sub-Total (Asphalt)			8,664.00

PROJECT MANAGEMENT AND ADMINISTRATION

Task	Qty.	Unit Rate	Estimated Cost
Test Report (each)	42	30.00	1,260.00
Project Engineer (hourly)	21	105.00	2,205.00
Project Management (hourly)	10.5	67.00	703.50
Clerical (hourly)	42	40.00	1,680.00
Sub-Total (Mgmt. & Admin.)			5,848.50

Total Estimated Cost

\$23,461.50

The following assumptions were used in preparing the proposal:

- MEG's proposal is dependent on the duration of construction days and additional compensation may be required if the construction sequence is slower or faster than typical construction.
- MEG's proposal is dependent on the construction sequence that is used by the General Contractor. Estimated quantities herein are based on the most efficient scheduling the General Contractor can use to combine our services when applicable. Standby time, weather, and cancellations have not been factored into the proposal.
- The Contractors on the site will work a single shift, on a 5 days per week schedule.
- Construction Material Testing Services will be scheduled with 24 hours notice.
- Services provided outside of regular business hours as outlined in the Provisions section of this proposal, or services provided on Saturday, Sunday, or Holidays will be invoiced at 1.3 times the applicable unit rate.

PURCHASE ORDER INCREASE COUNTY OF HIDALGO

Department: Hidalgo County Pct.1
Contact Name: KATIA GARCIA
Telephone No.: (956)968-8733

Purchase Order No.: 713933
Increase No. 1 for this Purchase Order

Procurement Method:

- Contract # C-13-243-08-27
- Cooperative Awarded Vendor
(TBPC State Award, TCPN, TASB-Buyboard)
- Quotes over \$1,000.00 (verbal quotes)
- Quotes over \$5,000.00
(attach written quotes)

Vendor No.: 284009
Vendor Name: MILLENNIUM ENGINEERS GROUP, INC.
Address: P.O. BOX 4569
EDINBURG, TX 78540-4569

Increase Purchase Order for the following items:

Quantity	UOM	Description	NIGP	Unit Price	Amount
1	EA	WORK AUTHORIZATION #3 FOR SIOUX RD.		23,461.50	\$23,461.50
		Supplemental Agreement No.1 to Work Authorization No. 3			\$5,093.50
		<i>AMOUNT OF INCREASE REQUEST-</i>			\$5,093.50
		<i>TOTAL AMOUNT</i>			\$28,555.00

Account Number: 5-1303-431-00-121-183-0-721

Liquidated: _____
Available: _____

Reason: INCREASE NEEDED DUE TO SUPPLEMENTAL AGREEMENT NO.1

Authorization:  Department Head 6/11/15 Date

Reviewed By: _____ Purchasing Department _____ Date

Approved By _____ Purchasing Agent _____ Date

Approved By: _____ County Auditor _____ Date

APPROVED

AI-49113

Purchasing Department 15. C. 1.

CC - REGULAR

Meeting Date: 05/05/2015

Submitted For: Comm. Cuellar, COMM. PCT. #1

Submitted By: Vangie Garcia, PURCHASING DEPT.

Department: COMM. PCT. #1

Information

CAPTION

Requesting approval of "Supplemental Agreement #1 to Work Authorization No. 3" as submitted by Millennium Engineering-Contract #C-13-243-08-27 [increase in the amount of \$5,093.50 to previous amount of \$23,461.50] for a new total of \$28,555.00 for additional services as detailed in the supplemental document for the "Sioux Road (West of Tower Road to Alamo City Limits)" in Precinct One through original assigned requisition #262245-PO#713933.

BACKGROUND

Commissioners Court on 04/28/15 approved AI#49430 under Consent of budget transfer in the amount of \$5,093.50 for the additional cost as detailed in the supplemental document.

Fiscal Impact

FISCAL YEAR: 2015

ACCT. #: 1303-431-00-121-111-0-721

FUNDS AVAILABLE Y/N?:

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

PO# 713933

FISCAL YEAR: 2015

ACCT. #: 5-1303-431-00-121-183-1-721

FUNDS AVAILABLE Y/N?: Y

MATCHING FUNDS Y/N?: N

BUDGETARY IMPACT:

Budget Transfer Agenda Item-CC approved on 04/28/15-AI#49430 in the amount of \$5,093.50.

Attachments

Work Authorization No. 3

Supplemental No. to WA #3

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	04/29/2015 01:55 PM
Budget & Management	Veronica Ortiz	04/29/2015 02:47 PM
Glinda Pacheco	Glinda Pacheco	04/29/2015 04:06 PM

EXHIBIT E
-Supplemental Agreement Form

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

SUPPLEMENTAL AGREEMENT NO. 1
to WORK AUTHORIZATION NO. 3

THIS SUPPLEMENTAL AGREEMENT is made pursuant to the terms and conditions of paragraph 5 of the Agreement made by and between **HIDALGO COUNTY**, acting herein by and through the **Commissioner's Court**, hereinafter called the "Owner", and Millennium Engineers Group, Inc. (MEG), Professional Laboratory of, Pharr, Texas, hereinafter called the "Laboratory".

WITNESSETH

WHEREAS, the Owner and the Laboratory executed the Agreement on the 25th day of August 2014 concerning Laboratory Testing for Sioux Road (Tower Road to Val Verde Road) hereinafter referred to as the "Project"; and,

WHEREAS, Paragraph 1 of the Agreement, (Scope of Work), establishes the Professional Construction Materials Testing Laboratory Services required; and,

WHEREAS, it has become necessary to amend the Agreement to Exhibit "D" as hereinafter provided to add an additional section of roadway of Sioux Road (West of Tower Road to Alamo City Limits) that will need Professional Construction Materials Testing Laboratory Services.

A. AGREEMENT

NOW THEREFORE, premises considered, the Owner and the Laboratory agree that said Agreement is amended as follows:

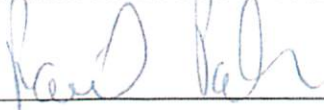
- I. Paragraph 2 of the Agreement, (Estimated Cost), is revised to

\$28,555.00

All other provisions are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the Laboratory and the Owner have caused this Supplemental Agreement to the Agreement for Professional Services to be executed as of the 5th day of May, 2015.

THE LABORATORY:
MILLENNIUM ENGINEERS GROUP, INC.

BY: 

Address for Giving Notices:

5804 N. Gumwood Avenue, Pharr, Texas 78577

THE OWNER:
HIDALGO COUNTY

BY: 
Ramon Garcia, County Judge

Approved by Commissioners' Court
on 5/5/15 RO

LIST OF ATTACHMENTS

- Exhibit "D" Cost Proposal
- Work Schedule (West of Tower Road to Alamo City Limits)

Revised
"Exhibit D"

HIDALGO COUNTY PRECINCT No. 1

Contract # C-13-243-08-27

WORK AUTHORIZATION NO. 3 – TOTAL AMOUNT BREAKDOWN

Proposal No.	Project Description	Previous Estimated Amount	Current Estimated Amount
01-14-177M, 01-15-144M	Sioux Road – Tower Road to Val Verde Road to now include section (West of Tower Road to Alamo City Limits)	\$ 23,461.50	\$28,555.00
	<i>Total Amount</i>	<i>\$ 23,461.50</i>	<i>\$ 28,555.00</i>



Work Schedule
Proposed Construction Materials Testing Services
Sioux Road (West of Tower to Alamo City Limits) Improvements Project

SOILS SECTION

Task: Flexible Base Sample at Roadway (Per Trip, 2 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Standard Proctor (each)	1	175.00	175.00
Atterberg Limits (each)	1	61.00	61.00
Sieve Analysis (each)	1	55.00	55.00
Wet Ball Mill (each)	1	185.00	185.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Sub-Total (per trip)	1	-	754.75
Sub-Total (per task)	2	754.75	1,509.50

Task: Flexible Base density testing at Roadway (Per Trip, 3 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Nuclear density test (each)	3	22.00	66.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Sub-Total (per trip)	1	-	344.75
Sub-Total (per task)	3	344.75	1,034.25

SOILS Section Total

2,543.75

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 2 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	4	44.00	175.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Sub-Total (per trip)	1	-	417.25
Sub-Total (per task)	2	417.25	834.50

Task: HMAC Pavement Laboratory Testing

Line Item	Qty.	Unit Rate	Estimated Cost
Extraction & Gradation, percent asphalt (each)	1	225.00	225.00
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	-	350.00
Sub-Total (per task)	2	350.00	700.00

Construction Materials Testing Services
 MEG Proposal No.: 01-15-144M
 April 3, 2015



Task: HMAC Pavement Field Coring (Per Trip, 1 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	6	44.00	264.00
Coring Rig (each)	1	75.00	75.00
Asphalt Cores (each)	5	60.00	300.00
Asphalt Core Density (each)	5	40.00	200.00
Vehicle trips (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	105.00	52.50
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Sub-Total (per trip)	1	-	1,015.25
Sub-Total (per task)	1	1,015.25	1,015.25

HMAC Pavement Section Total

2,549.75

Total Estimated Cost

\$5,093.50



Invoice

Date	Invoice #
11/30/2015	419242-1215

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

INVOICE RECEIVED BY
[Signature] ON 5/25/16
 GOODS/SERVICES RECEIVED BY
[Signature] ON 12/19 - 12/24/14

PAST DUE!
172 days

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

←

Pct. 1
C.I.P.
6-1345-431-00-121 - 134-0-701
PO# 718525

Terms	Due Date	MEG Project
Due on receipt	11/30/2015	Mile 4 W. Rd. (Mile 15 to Mile 16) Improv

Description	Qty	Rate	Amount
Po# 718525			
Report No. 01-14-19242-1			
Moisture Density Relationship-Standard Proctor (each test)	1	200.00	200.00
Engr. Technician (Soils) (per hour)	2.5	45.00	112.50
Vehicle Trip Charge (per trip)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	115.00	57.50
Project Management (per hour)	0.25	70.00	17.50
Clerical/Administrative (per hour)	1	50.00	50.00
Report No. 01-14-19242-2			
Nuclear Density Test - Soils (each test)	2	22.00	44.00
Engr. Technician (Soils) (per hour)	2.5	45.00	112.50
Vehicle Trip Charge (per trip)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	115.00	57.50
Project Management (per hour)	0.25	70.00	17.50
Clerical/Administrative (per hour)	1	50.00	50.00
Report No. 01-14-19242-3			
Nuclear Density Test - Soils (each test)	6	22.00	132.00
Engr. Technician (Soils) (per hour)	2.5	45.00	112.50
Vehicle Trip Charge (per trip)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	115.00	57.50

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
11/30/2015	419242-1215

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	11/30/2015	Mile 4 W. Rd. (Mile 15 to Mile 16) Improv

Description	Qty	Rate	Amount
Project Management (per hour)	0.25	70.00	17.50
Clerical/Administrative (per hour)	1	50.00	50.00
Report No. 01-14-19242-4			
Nuclear Density Test - Soils (each test)	7	22.00	154.00
Engr. Technician (Soils) (per hour)	2.5	45.00	112.50
Vehicle Trip Charge (per trip)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	0.5	115.00	57.50
Project Management (per hour)	0.25	70.00	17.50
Clerical/Administrative (per hour)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$1,748.00
--	--------------	------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$1,748.00

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

A.C. CUELLAR JR.

COMMISSIONER PRECINCT 1



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

PH:956.968.8733
FAX:956.969.1417

November 30, 2016

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

RE: Request for material testing – Mile 4 W. Rd. (Mile 15 to Mile 16) project

Dear Mr. Eufracio:

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:

12/19/14 – Flexible base material laboratory
12/22/14 - Flexible base Nuclear Density Testing
12/23/14 - Flexible base Nuclear Density Testing
12/24/14 - Flexible base Nuclear Density Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

HIDALGO COUNTY
Professional Construction Material Testing Laboratory
Services
Agreement # C-14-309-09-09

WORK AUTHORIZATION NO. 3

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 **Edinburg, 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 West Road (Mile 15 to Mile 16) Improvements 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 **\$8,713.50**
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 3** of the Agreement.

PART 4. FUNDING

This Work Authorization No. **3** shall be funded through funding source:
Account No. **4-1303-431-00-121-184-0-731**
Requisition Number **267377** (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. 3**

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

BY: AC Cuellar Jr.

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 12/2/14 as indicated below and effective as of 2nd day of Dec, 2014.

**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 12/2/2014

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/Maintennnce 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 & Testing Services
Mile 4 West Road (Mile 15 to Mile 16) Improvements Project

SOILS SECTION

Task: Flexible Base Sample at Roadway (Per Trip, 2 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	45.00	112.50
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)	-	210.00	-
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	16.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	628.75
Sub-Total (per task)	2	628.75	1,257.50

Task: Flexible Base density testing at Roadway (Per Trip, 6 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	45.00	112.50
Nuclear density test (each)	3	22.00	66.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	370.50
Sub-Total (per task)	6	370.50	2,223.00

SOILS Section Total

3,480.50

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 4 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	4	50.00	200.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	52.50
Project Management (hourly)	0.25	70.00	16.75
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	452.25
Sub-Total (per task)	4	452.25	1,809.00

Task: HMAC Pavement Laboratory Testing (Per Sample, 4 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)	4	375.00	1,500.00

Construction Materials Testing Services
 MEG Proposal No.: 01-14-242M
 November 19, 2014



Task: HMAC Pavement Field Coring (Per Trip, 1 trip estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	14	50.00	700.00
Coring Rig (each)	1	95.00	95.00
Asphalt Cores (each)	9	60.00	540.00
Asphalt Core Density (each)	9	40.00	360.00
Vehicle trips (each)	2	37.00	74.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	1,924.00
Sub-Total (per task)	1	1,924.00	1,924.00

HMAC Pavement Section Total

5,233.00

Total Estimated Cost

\$8,713.50

APPROVED

AI-47539

Purchasing Department 19. B. 1.

CC - REGULAR

Meeting Date: 12/02/2014

Submitted For: Comm. AC Cuellar, HC Pct. #1

Submitted By: Katia Garcia, COMM. PCT. #1

Department: COMM. PCT. #1

Information

CAPTION

Approval of Work Authorization No. 3 in connection to Contract# C-14-309-09-09 with Millennium Engineers Group, Inc. in the amount of \$8,713.50 through assigned requisition # 267377 for the provision of "Construction Materials Testing Services" for the Mile 4 West Road (Mile 15 to Mile 16) Improvements Project.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2014

ACCT. #: 4-1303-431-00-121-184-0-731

FUNDS AVAILABLE Y/N?: Y

MATCHING FUNDS Y/N?: N

BUDGETARY IMPACT:

Funding available pending CC approval of AI-47540.

Attachments

Work Authorization No. 3

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	11/25/2014 11:31 AM
Budget & Management	Debbie Iamez	11/25/2014 11:53 AM
Glinda Pacheco	Glinda Pacheco	11/25/2014 04:06 PM
Auditor's Office	Monica Badillo	11/26/2014 05:14 PM
Form Started By: Katia Garcia		Started On: 11/24/2014 01:12 PM
	Final Approval Date: 11/26/2014	



Invoice

INVOICE RECEIVED BY
Upland Station ON *5/25/16*
 GOODS/SERVICES RECEIVED BY
 _____ ON _____

Date	Invoice #
11/30/2015	519189-1215

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

PAST DUE!
172 days

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	11/30/2015	18th St. (Airport Dr. - FM 1015)PO#728860

Description	Qty	Rate	Amount
PO# 728860			
Report No. 01-15-19189-1			
Soil Engineering Technician (hourly)	3	45.00	135.00
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)	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	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-2-1			
Soil Engineering Technician (hourly)	2.75	45.00	123.75
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	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
11/30/2015	519189-1215

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	11/30/2015	18th St. (Airport Dr. - FM 1015)PO#728860

Description	Qty	Rate	Amount
Report No. 01-15-19189-2-2			
Soil Engineering Technician (hourly)	2.5	45.00	112.50
Atterberg Limits (each)	1	70.00	70.00
Sieve Analysis (each)	1	55.00	55.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-3-1			
Soil Engineering Technician (hourly)	2.5	45.00	112.50
Nuclear Density Test (each)	9	22.00	198.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-4-1			
Asphalt Engineering Technician (hourly)	4	50.00	200.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
11/30/2015	519189-1215

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	11/30/2015	18th St. (Airport Dr. - FM 1015)PO#728860

Description	Qty	Rate	Amount
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-5-1			
Asphalt Engineering Technician (hourly)	3.5	50.00	175.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-6-1			
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
Report No. 01-15-19189-7-1			
Soil Engineering Technician (hourly)	2.75	45.00	123.75
Nuclear Density Test (each)	1	22.00	22.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-8-1			

Innovative. Experienced. Professional.	Total
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
11/30/2015	519189-1215

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	11/30/2015	18th St. (Airport Dr. - FM 1015)PO#728860

Description	Qty	Rate	Amount
Soil Engineering Technician (hourly)	2	45.00	90.00
Nuclear Density Test (each)	1	22.00	22.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-9			
Soil Engineering Technician (hourly)	2	45.00	90.00
Nuclear Density Test (each)	1	22.00	22.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-10-1			
Soil Engineering Technician (hourly)	2	45.00	90.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (per trip)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
11/30/2015	519189-1215

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	11/30/2015	18th St. (Airport Dr. - FM 1015)PO#728860

Description	Qty	Rate	Amount
Report No. 01-15-19189-11-1			
Soil Engineering Technician (hourly)	2	45.00	90.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-12-1			
Soil Engineering Technician (hourly)	2	45.00	90.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-13-1			
Asphalt Engineering Technician (hourly)	2	50.00	100.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
11/30/2015	519189-1215

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

INVOICE RECEIVED BY
 RECEIVED BY:
 on 9/13-9/14/15

Terms	Due Date	MEG Project
Due on receipt	11/30/2015	18th St. (Airport Dr. - FM 1015)PO#728860

Description	Qty	Rate	Amount
Report No. 01-15-19189-14-1			
Asphalt Engineering Technician (hourly)	4	50.00	200.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-15-1			
Asphalt Engineering Technician (hourly)	4	50.00	200.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-15-19189-16-1			
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

Pct. 1
 C.I.P.
 $0 -1345-431-00-121-188 -0-841 = \$3,059.07$

Innovative. Experienced. Professional.	Total	\$7,283.50
--	--------------	------------

Phone #	Fax #	Payments/Credits	\$0.00
(956) 702-8500	(956) 702-4180	Balance Due	\$7,283.50

$= \$4,224.48$

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



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

November 30, 2016

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

RE: Request for material testing – Colonia Noreste project

Dear Mr. Eufracio:

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:

9/3/15 - Asphalt Rolling Patterns
9/4/15 - Asphalt Rolling Patterns
9/4/15 - Asphalt lab testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1



Invoice

Date	Invoice #
5/31/2016	619159-0616

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

Pct. 1
 C.I.P.

0-1345-431-00-121-183-0-841

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	5/31/2016	Mile 5 1/2 Rd.

Description	Qty	Rate	Amount
PO # 728860			
Report No. 01-16-19159-1-1 ✓			
Asphalt Engineering Technician (hourly)	5	50.00	250.00
Vehicle Trip Charge (each)	1	37.00	37.00
Nuclear Density Test (each)	3	22.00	66.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19159-1-2 ✓			
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
Report No. 01-16-19159-2-1 ✓			
Asphalt Engineering Technician (hourly)	8	50.00	400.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19159-2-2			

Emerald

INVOICE RECEIVED BY
data.com on *6/16/16*

GOODS/SERVICES RECEIVED BY:
QJaw on *4/20-4/26/16*

Innovative. Experienced. Professional.	Total				
<table border="1"> <tr> <td>Phone #</td> <td>Fax #</td> </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 #
5/31/2016	619159-0616

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	5/31/2016	Mile 5 1/2 Rd.

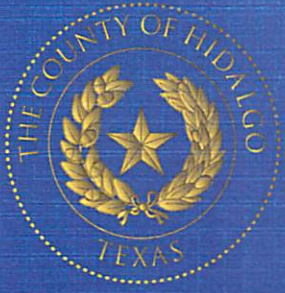
Description	Qty	Rate	Amount
Extraction & Gradation, Percent Asphalt (each)	1	250.00	250.00
Theoretical Maximum Specific Gravity of Mixtures (each)	1	60.00	60.00
Lab Density (each)	1	65.00	65.00
Report No. 01-16-19159-4-1 ✓			
Asphalt Engineering Technician (hourly)	10	50.00	500.00
Coring Rig (each)	1	95.00	95.00
Asphalt Cores (each)	4	60.00	240.00
Asphalt Core Density (each)	4	40.00	160.00
Vehicle Trip Charge (each)	2	37.00	74.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$3,140.00
--	--------------	------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$3,140.00

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



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

June 27, 2016

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

RE: Request for material testing – Mile 5 ½ Rd.

Dear Mr. Eufracio:

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:

04/20/16 – Asphalt Rolling Pattern testing
04/20/16 – Asphalt Lab testing
04/21/16 – Asphalt Rolling Pattern
04/21/16 – Asphalt Lab testing
04/26/16 – Asphalt core testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

HIDALGO COUNTY
Professional Construction Material Testing Laboratory
Services
Agreement # C-14-309-09-09

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 Edinburg, 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 18th Street (Airport Drive to FM 1015) Improvements 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 **\$8,818.00**

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 3** of the Agreement.

PART 4. FUNDING

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

Account No. 5-1345-431-00-121-188-0-721

Requisition Number 279811 (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. 64

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: A.C. Cuellar, Jr.

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 7/7/15 as indicated below and effective as of ___ day of _____, 2015.

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: 7/7/15 *rs*

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 & Testing Services
18th Street (Airport Drive to FM 1015) Improvements Project

SOILS SECTION

Task: Flexible Base Sample at Roadway (Per Trip, 2 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	45.00	112.50
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)	-	210.00	-
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	629.50
Sub-Total (per task)	2	629.50	1,259.00

Task: Flexible Base density testing at Roadway (Per Trip, 6 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	45.00	112.50
Nuclear density test (each)	3	22.00	66.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	370.50
Sub-Total (per task)	6	370.50	2,223.00

SOILS Section Total **3,482.00**

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 4 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	4	50.00	200.00
Nuclear Density Test (each)	3	22.00	66.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	115.00	52.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	453.00
Sub-Total (per task)	4	453.00	1,812.00

Task: HMAC Pavement Laboratory Testing (Per Sample, 4 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)	4	375.00	1,500.00

Construction Materials Testing Services
 MEG Proposal No.: 01-15-198M
 June 24, 2015



Task: HMAC Pavement Field Coring (Per Trip, 1 trip estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	14	50.00	700.00
Coring Rig (each)	1	95.00	95.00
Asphalt Cores (each)	10	60.00	600.00
Asphalt Core Density (each)	10	40.00	400.00
Vehicle trips (each)	2	37.00	74.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.50	115.00	57.50
Project Management (hourly)	0.25	70.00	17.50
Clerical (hourly)	1	50.00	50.00
Sub-Total (per trip)	1	-	2,024.00
Sub-Total (per task)	1	2,024.00	2,024.00

HMAC Pavement Section Total

5,336.00

Total Estimated Cost

\$8,818.00



Purchase Order COUNTY OF HIDALGO

PO# 728860

DATE: 07/21/15

PAGE NO: 1 Of 1

PO TYPE:

VENDOR: 284009

REQ: 00279811

CANCELLED: 09-08-15

PHONE: (956) 383-8522

EMAIL:

SHIP TO: HIDALGO CO. PCT 1

Fax: (956) 383-0295

1902 Joe Stephens Ave
WESLACO TX 78596

MILLENNIUM ENGINEERS GROUP, INC.
P.O. BOX 4569
EDINBURG TX 78540-4569

CONTACT:

SITE: COMMISSIONER, PRECINCT 1

CONTRACT NO: C-14-309-09-09

SPECIAL INSTRUCTIONS: RK38

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 with Purchase Order singly. Original Invoices are required customer copy may be accepted. Our number must appear on all invoices, bills of lading, and packages.
5. 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-14-309-09-09 EXP. 09/08/15		
1.00	EACH	CC WORK AUTHORIZATION NO.4 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE 18TH STREET (AIRPORT DRIVE TO FM 1015) IMPROVEMENTS PROJECT.	8,818.00	8,818.00
		TOTAL:		8,818.00
		***** For Hidalgo County use only 5-1345-431-00-121-188-0-721	8,818.00	

Authorized by: Martha Salazar



JAN -9 2015

Invoice

Date	Invoice #
11/30/2014	419197-1215

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

RECEIVED BY
 COUNTY AUDITOR
 JAN DEC 23 AM 10 25

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	11/30/2014	Whalen Rd. Improv. (Bus 83 to Moore Rd.)

Description	Qty	Rate	Amount
Po No. # 713557			
Report No. 01-14-19198-15 ✓			
Extraction & Gradation, percent asphalt (each test)	1	225.00	225.00
Theoretical Maximum Specific Gravity of Mixtures (each test)	1	60.00	60.00
Lab Density (each test)	1	65.00	65.00
Asphalt testing & observation (hourly)	0.75	44.00	33.00
Report No. 01-14-19198-16 ✓			
Extraction & Gradation, percent asphalt (each test)	1	225.00	225.00
Theoretical Maximum Specific Gravity of Mixtures (each test)	1	60.00	60.00
Lab Density (each test)	1	65.00	65.00
Asphalt testing & observation (hourly)	0.75	44.00	33.00
Project Management (per hour)	0.5	67.00	33.50
Project Engineer (per hour)	0.5	105.00	52.50
Clerical (hourly)	2	40.00	80.00
Test Report (each)	2	30.00	60.00

INVOICE BY
Marcia on *12/11/14*
 GOVERNMENT SERVICES RECEIVED BY:
D. J. ... on *September 2014*

Pct. 1
 C.I.P.
 -1342 -431-00-121- 115 -0- 721

Innovative. Experienced. Professional.	Total \$992.00
--	-----------------------

Phone #	Fax #
(956) 383-8522	(956) 383-0295

Payments/Credits	\$0.00
Balance Due	\$992.00

Make all checks payable to Millennium Engineers Group, Inc.
 Any questions regarding this invoice please contact our Accounts Receivables Department at
 (956) 383-8522.

A.C. CUELLAR JR.

COMMISSIONER PRECINCT 1



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

PH:956.968.8733
FAX:956.969.1417

November 30, 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 – Whalen Road (Bus 83 to Moore Rd) 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:

09/17/14 - Asphalt Laboratory Testing
09/18/14 – Asphalt Laboratory Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

A handwritten signature in blue ink, appearing to read "Raul Lozano".

Raul Lozano
Chief Administrator Pct. 1

HIDALGO COUNTY
Professional Construction Material Testing Laboratory
Services
Agreement # C-13-243-08-27

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, **Millennium Engineers Group, Inc.**, professional Laboratory's of **Edinburg**, 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 Whalen Road (Bus. 83 to Moore Road) 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 **\$6,137.50**. 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 3** of the Agreement.

PART 4. FUNDING

This Work Authorization No. 2 shall be funded through funding source:

Account No. 4-1342-431-00-121-115-0-731

Requisition Number 261139 (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. 2

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: AC Cuellar

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 8/12/14 as indicated below and effective as of 12th day of August, 2014.

THE LABORATORY:
MILLENNIUM ENGINEERS GROUP, INC.

Raul Palma
By: Raul Palma, President

THE OWNER:
HIDALGO COUNTY

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

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

Approved by Commissioners' Court
on 8/12/14 RO

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.



**Work Schedule
Proposed Construction Materials Testing Services
Whalen Road (Bus. 83 to Moore Road)**

SOILS SECTION

Task: Flexible Base Sample at Roadway (Per Trip, 3 trip estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Standard Proctor (each)	1	175.00	175.00
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.5	105.00	26.25
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Sub-Total (per trip)	1	-	427.50
Sub-Total (per task)	3	427.50	1,282.50

Task: Flexible Base density testing at Roadway (Per Trip, 10 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Soil Engineering Technician (hourly)	2.5	41.00	102.50
Nuclear density test (each)	2.6	22.00	57.20
Vehicle trip charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.25	105.00	26.25
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Sub-Total (per trip)	1	-	309.70
Sub-Total (per task)	10	309.70	3,097.00

SOILS Section Total 4,379.50

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Coring (Per Trip, 2 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	6	44.00	264.00
Coring Rig (each)	1	75.00	75.00
Asphalt Cores (each)	6.5	60.00	390.00
Vehicle trips (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	0.25	105.00	26.25
Project Management (hourly)	0.25	67.00	16.75
Clerical (hourly)	1	40.00	40.00
Sub-Total (per trip)	1	-	879.00
Sub-Total (per task)	2	879.00	1,758.00

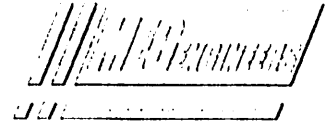
HMAC Pavement Section Total 1,758.00

Total Estimated Cost \$6,137.50

EXHIBIT D

"Proposal"

Construction Materials Testing Services
 MEG Proposal No.: 01-14-181M
 July 14, 2014



SOILS

Task	Qty.	Unit Rate	Estimated Cost
Field testing & observation (hourly)	32.5	41.00	1,332.50
Standard Proctor (each)	3	175.00	525.00
Atterberg Limits (each)		61.00	
Nuclear Density tests (each)	26	22.00	572.00
Vehicle trips (each)	13	37.00	481.00
Sieve Analysis (each)		55.00	
Wet Ball Mill (each)		185.00	
Sub-Total (Soils)			2,910.50

CONCRETE

Task	Qty.	Unit Rate	Estimated Cost
Concrete testing & sample pickup (hourly)			
Compressive Strength Tests (each)			
Vehicle trips (each)			
Air Content (each)			
Sub-Total (Concrete)			

MASONRY

Task	Qty.	Unit Rate	Estimated Cost
Masonry testing & observation (hourly)			
Mortar compressive strength tests (each)			
Grout compressive strength tests (each)			
Vehicle Trips (each)			
Sub-Total (Masonry)			

STRUCTURAL STEEL

Task	Qty.	Unit Rate	Estimated Cost
Certified Welding Inspection (hourly)			
Vehicle Trips (each)			
Sub-Total (Structural)			

ASPHALT

Task	Qty.	Unit Rate	Estimated Cost
Asphalt testing & observation (hourly)	12	44.00	528.00
Extraction & Gradation, percent asphalt (each)		225.00	
Theoretical maximum specific gravity of mixtures (each)		60.00	
Lab Density (each)		65.00	
Nuclear Density Tests (each)		22.00	
Coring Rig (each)	2	75.00	150.00
Asphalt Cores (each)	13	60.00	780.00
Asphalt Core Density (each)		40.00	
Vehicle trips (each)	2	37.00	74.00
Sub-Total (Asphalt)			1,532.00

PROJECT MANAGEMENT AND ADMINISTRATION

Task	Qty.	Unit Rate	Estimated Cost
Test Report (each)	15	30.00	450.00
Project Engineer (hourly)	3.75	105.00	393.75
Project Management (hourly)	3.75	67.00	251.25
Clerical (hourly)	15	40.00	600.00
Sub-Total (Mgmt. & Admin.)			1,695.00

Total Estimated Cost

\$6,137.50

The following assumptions were used in preparing this proposal:

- MEG's proposal is dependent on the duration of construction days and additional compensation may be required if the construction sequence is slower or faster than typical construction.
- MEG's proposal is dependent on the construction sequence that is used by the General Contractor. Estimated quantities here are based on the most efficient scheduling the General Contractor can use to combine our services when applicable. Standby time, weather, and cancellations have not been factored into the proposal.
- The Contractors on the site will work a single shift on a 5 days per week schedule.
- Construction Material Testing Services will be scheduled with 24 hours notice.
- Services provided outside of regular business hours as outlined in the Pricing section of this proposal or services provided on Saturday, Sunday or Holidays will be multiplied at 1.3 times the applicable unit rate.

APPROVED

AI-45890

Purchasing Department 32. D. 3.

CC - REGULAR

Meeting Date: 08/12/2014

Submitted For: Comm. AC Cuellar, HC
Pct. #1

Submitted By: Vangie Garcia, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Approval of **Work Authorization No. 2** in connection to **Contract #C-13-243-08-27** with **Millennium Engineers Group, Inc.** in the amount of **\$6,137.50** through assigned requisition #261139 for the provision of "Construction Materials Testing Services" for the **Whalen Road (Bus. 83 to Moore Road)** project.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2014

ACCT. #: 1342-431-00-121-115-0-731

FUNDS AVAILABLE Y/N?: Y

MATCHING FUNDS Y/N?: N

BUDGETARY IMPACT:

Funding available pending CC approval of AI-45742.

Attachments

Work Authorization No. 2

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	08/06/2014 05:36 PM
Budget & Management	Debbie Tamez	08/07/2014 10:38 AM
Glinda Pacheco	Glinda Pacheco	08/08/2014 10:23 AM
Purchasing Department	Marty Salazar	08/06/2014 05:36 PM
Budget & Management	Debbie Tamez	08/07/2014 10:38 AM
Glinda Pacheco	Glinda Pacheco	08/08/2014 10:23 AM
Auditor's Office		

Form Started By: Vangie Garcia Started On: 08/06/2014 03:43 PM

Materials Testing Services" for the Whalen Road (Bus. 83 to Moore Road) project.

C. Pet. 2

du

1. AI-45938 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 and evaluated through the County's approved "pool" of professional architectural services providers for the design & construction of a new county wide shop located in Pet No. 2:

Totals	Alcocer Garcia Associates Inc.	ROFA Architects	ERO Architects
scores	93	96	97
ranking	3	2	1

C. Authority for the Purchasing Department to negotiate a professional contract with the No. 1 ranked firm ERO Architects for professional architectural services for the design and construction of a new county wide shop located in Pet No. 2.

2. AI-45550 Presentation of sole responsible bid received as detailed in tabulation sheet contained herein (and meeting all specifications and/or requirements) for the purpose of award and approval of contract for: Request for Bid titled: Hidalgo County Precinct No. 2-"Hauling Services for all Road Materials" through project No.: 2014-108-07-09-MEG.

3. AI-45700 Requesting approval by contracted engineer, TEDSI Infrastructure, to utilize allowances (Environmental Documentation Allowance and Public Involvement Allowance) as stated and approved on Work Authorization No. 3. in connection with "Dicker Road Improvement." C-12-119-07-31

4. AI-45929 Requesting acceptance and approval of Work Authorization No. 10 (with an estimated cost of \$4,197.77) as submitted by Raba Kistner, Inc., Contract# C-13-351-01-21, for Construction Material Testing services for the Pet 2 Owassa Rd (1476 ft W of Intersection of Owassa Rd to "I" Rd) Paving Improvement Project.

D. Pet. 4

1. AI-45723 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 and evaluated through the County's approved "pool" of professional construction materials testing and geo-technical testing services for Pet No.4 "ON CALL SERVICES".



Purchase Order COUNTY OF HIDALGO

PO# 713557

DATE: 08/25/14

PAGE NO: 1 OF 1

PO TYPE:

VENDOR: 284009

REQ: 00261139

CANCELLED: 08-26-14

PHONE: (956) 383-8522

EMAIL:

Fax: (956) 383-0295

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:

SITE: COMMISSIONER, PRECINCT 1

CONTRACT NO: C-13-243-08-27

SPECIAL INSTRUCTIONS: RM15

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. Our number must appear on all invoices, bills of lading, and packages.
5. 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		
		APPROVED BY CC 8/12/14 AI-45890 C-13-243-08-27 EXP. 8/26/14		
1.00	EACH	CC WORK AUTHORIZATION #2 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE WHALEN ROAD IMPROVEMENTS (BUS.83 TO MOORE RD) PROJECT	6,137.50	6,137.50
		TOTAL:		6,137.50
		REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233		
		***** For Hidalgo County use only 4-1342-431-00-121-115-0-731	6,137.50	

Authorized by: _____

Martha Salazar



Invoice

Date	Invoice #
7/25/2016	629167-0816

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

Pct. 1 *fg*
 C.I.P.
 6-1347-431-00-121-216-0-721
 PO# 746980

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	7/25/2016	Mile 14 1/2 N. Rd (Mile 4 to Mile 6)

Description	Qty	Rate	Amount
#C-15-319-09-15			
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	30	13.00	390.00
Vehicle Trip Charge (per trip)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	8	125.00	1,000.00
Project Management (per hour)	12	75.00	900.00
Clerical (hourly)	2	50.00	100.00

INVOICE RECEIVED BY
[Signature] 7/28/16
 GOODS/SERVICES RECEIVED BY:
[Signature] on 7/13/16

Innovative. Experienced. Professional.	Total	\$7,776.00
--	--------------	------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$7,776.00

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



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

November 30, 2016

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

RE: Request for material testing – Mile 14 ½ N. Rd (Mile 4 to Mile 6) Paving and Drainage Improvements

Dear Mr. Eufracio:

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:

07/13/16 – Drilled Borings, Soil Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

FILED
AT 11:00 O'CLOCK A.M.

JUL 12 2016

ARTURO GUALIARDO, JR., COUNTY CLERK
HIDALGO COUNTY, TEXAS

BY NGC DEPUTY

HIDALGO COUNTY

Professional Construction Material Testing Laboratory Services

Agreement # C-15-319-09-15

WORK AUTHORIZATION NO. 9

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 14.5 Road (Mile 4 West to Mile 6 West Road) 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. 9 shall be funded through funding source:

Account No. 6-1347-431-00-121-216-0-721

Requisition Number 301498 (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. 9

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

BY: *A.C. Cuellar, Jr.*

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**

[Signature]
By: Andres Palma, Manager

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

APPROVED BY
COMMISSIONERS' COURT
ON: 7/6/16 *[Signature]*

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



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

C-15-319-09-15

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 14.5 Road (Mile 4 West to Mile 6 West) 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.: 01-16-185M
 June 13, 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

AI-55242
CC - REGULAR

Purchasing Department 18. B. 3.

Meeting Date: 07/06/2016

Submitted For: Comm. Cuellar, COMM. PCT. **Submitted By:** Katia Garcia, COMM. PCT. #1
#1

Department: COMM. PCT. #1

Information

CAPTION

Acceptance and approval of the following Work Authorizations as submitted by Millennium Engineers Group, Inc. - Contract# C-15-319-09-15 for the provisions of "Construction Materials Engineering and Testing Services" for:

A) Work Authorization No. 7 - Goolie Road (Minnesota Road to Mile 9) project in the amount of \$54,055.25 through assigned requisition# 301467

B) Work Authorization No. 8 - Mile 11 Road (FM 1015 to Mile 1 West) project in the amount of \$46,076.75 through assigned requisition# 301497

C) Work Authorization No. 9 - Mile 14 1/2 Road (Mile 4W to Mile 6W) project in the amount of \$46,076.75 through assigned requisition#301498.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2016

ACCT. #: 6-1347-431-00-121-212-0-721

FUNDS AVAILABLE Y/N?: y

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

REQ# 301467

FISCAL YEAR: 2016

ACCT. #: 6-1347-431-00-121-214-0-721

FUNDS AVAILABLE Y/N?: Y

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

REQ# 301497

FISCAL YEAR: 2016

ACCT. #: 6-1347-431-00-121-216-0-721

FUNDS AVAILABLE Y/N?: Y

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

REQ# 301498

Attachments

Work Authorization No. 7

Work Authorization No. 8

Work Authorization No. 9

Form Review

Inbox

Reviewed By

Date

Purchasing Department

Marty Salazar

06/30/2016 10:11 AM

Budget & Management

Glinda Pacheco

Glinda Pacheco

Final Approval

Form Started By: Katia Garcia

Final Approval Date: 07/01/2016

Veronica Ortiz

Glinda Pacheco

Glinda Pacheco

Monica Badillo

06/30/2016 01:13 PM

07/01/2016 08:45 AM

07/01/2016 08:45 AM

07/01/2016 05:32 PM

Started On: 06/29/2016 03:42 PM



Invoice

Date	Invoice #
4/30/2016	619127-0516

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

Pct. 1 *X*
 C.I.P.

6-13 45-431-00-121-112-0-721

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

INVOICE RECEIVED BY
Yolanda Estacion *6/7/16*
 GOODS/SERVICES RECEIVED BY
[Signature] ON *04/07-11/16*
 P.O.# *741314*

Terms	Due Date	MEG Project
Due on receipt	4/30/2016	Mile 12 1/2 Rd. (West Gate to FM 88)

Description	Qty	Rate	Amount
PO #741314			
Report No. 01-16-19127-2-1			
Asphalt Engineering Technician (hourly)	7	52.00	364.00
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	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19127-3-1			
Asphalt Engineering Technician (hourly)	7	52.00	364.00
Nuclear Density Test (each test)	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. 01-16-19127-4-1			
Asphalt Engineering Technician (hourly)	7	47.00	329.00
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	62.50

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 383-8522	(956) 383-0295

Payments/Credits
Balance Due



Invoice

Date	Invoice #
4/30/2016	619127-0516

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	4/30/2016	Mile 12 1/2 Rd. (West Gate to FM 88)

Description	Qty	Rate	Amount
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$1,903.75
--	--------------	------------

Phone #	Fax #
(956) 383-8522	(956) 383-0295

Payments/Credits	\$0.00
Balance Due	\$1,903.75

Make all checks payable to Millennium Engineers Group, Inc.
 Any questions regarding this invoice please contact our Accounts Receivables Department at
 (956) 383-8522.



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

November 30, 2016

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

RE: Request for material testing – 12 ½ Rd. (West Gate to FM 88) Paving and Drainage Improvements

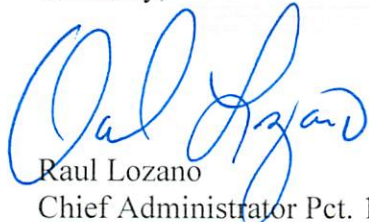
Dear Mr. Eufracio:

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:

04/07/16 - Asphalt Laboratory Testing
04/08/16 - Asphalt Laboratory Testing
04/11/16 - Asphalt Laboratory Testing
04/11/16 – Asphalt Laboratory Rolling Pattern Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,



Raul Lozano
Chief Administrator Pct. 1



Invoice

Date	Invoice #
5/31/2016	619127-0616

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	5/31/2016	Mile 12 1/2 Rd. (West Gate to FM 88)

Description	Qty	Rate	Amount
PO #741314			
Report No. 01-16-19127-4-2			
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

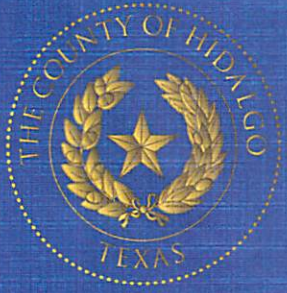
INVOICE RECEIVED BY [Signature] ON 6/7/16
 GOODS/SERVICES RECEIVED BY [Signature] ON 04/07-04/11/14
 Pct. 1
 C.I.P. 112-0-721
 P.O.# 741314

Innovative. Experienced. Professional.	Total	\$375.00
--	--------------	----------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$375.00

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



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

November 30, 2016

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

RE: Request for material testing – 12 ½ Rd. (West Gate to FM 88) Paving and Drainage Improvements

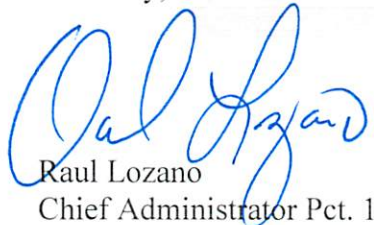
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04/07/16 - Asphalt Laboratory Testing
04/08/16 - Asphalt Laboratory Testing
04/11/16 - Asphalt Laboratory Testing
04/11/16 – Asphalt Laboratory Rolling Pattern Testing

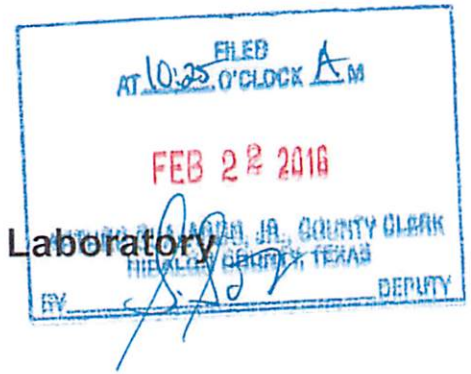
Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,



Raul Lozano
Chief Administrator Pct. 1

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



WORK AUTHORIZATION NO. 6

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 12.5 Road 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 \$2,394.75. 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. 6 shall be funded through funding source:

Account No. 6-1345-431-00-121-112-0-721

Requisition Number 292904 (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. 6

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: AC Cuellar Jr

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

MP
By: Andres Palma, Manager

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

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

APPROVED BY
COMMISSIONERS' COURT
ON: 2/16/16



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 12.5 Road

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 3 trips estimated)

Line Item	Qty.	Unit Rate	Estimated Cost
Asphalt Engineering Technician (hourly)	6	52.00	312.00
Nuclear Density Test (each)	6	28.00	168.00
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	-	673.25
Sub-Total (per task)	3	673.25	2,019.75

Task: HMAC Pavement Laboratory Testing (1 sample 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)	1	375.00	375.00

HMAC Pavement Section Total

2,394.75

Total Estimated Cost

\$2,394.75



Purchase Order COUNTY OF HIDALGO

PO# 741314

DATE: 04/06/16

PAGE NO: 1 of 1

PO TYPE:

VENDOR: 284009

REQ: 00292904

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/DR

(956) 968-8733

SITE: COMMISSIONER, PRECINCT 1

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

SPECIAL INSTRUCTIONS: RK9

VENDOR NOTES

- Do not add to, or alter this Purchase Order. This Order is not renewable.
- TAX EXEMPTION: This Purchase Order may be accepted in lieu of Exemption Certificate.
- This Order is also placed F.O.B. Destination. Vendor must repay all shipping costs.
- Invoices 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.
- 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.6 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE MILE 12.5 ROAD PROJECT.	2,394.75	2,394.75
		TOTAL:		2,394.75

		For Hidalgo County use only		
		6-1345-431-00-121-112-0-721	2,394.75	

Authorized by: Martha Salazar



Invoice

Date	Invoice #
4/30/2016	619140-0516

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

Pct. 1
 C.I.P.

6 -13 47-431-00-121-204 -0- 721
 INVOICE RECEIVED BY
 Yolanda Estrada ON 6/7/16
 GOODS/SERVICES RECEIVED BY
 [Signature] ON 03/17-04/04/16
 P.O.# 738417

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	4/30/2016	Mile 12 North Rd.

Description	Qty	Rate	Amount
PO # 738417			
Report No. 01-16-19140-1-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each)	1	70.00	70.00
Vehicle Trip Charge (per trip)	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. 01-16-19140-3-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	6	28.00	168.00
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. 01-16-19140-4-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	8	28.00	224.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	1	30.00	30.00

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
4/30/2016	619140-0516

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	4/30/2016	Mile 12 North Rd.

Description	Qty	Rate	Amount
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. 01-16-19140-5-1 ✓			
Soil Engineering Technician (hourly)	3.5	47.00	164.50
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
Report No. 01-16-19140-6-1 ✓			
Asphalt Engineering Technician (hourly)	6	52.00	312.00
Nuclear Density Test (each test)	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 (per hour)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$3,171.75
--	--------------	------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$3,171.75

Make all checks payable to Millennium Engineers Group, Inc.
 Any questions regarding this invoice please contact our Accounts Receivables Department at
 (956) 383-8522.

A.C. CUELLAR JR.

COMMISSIONER PRECINCT 1



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

PH:956.968.8733
FAX:956.969.1417

November 30, 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 – 12 North Rd. 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:

03/18/16 - Flexible Base Laboratory Testing
04/04/16 – Asphalt Rolling Pattern Testing

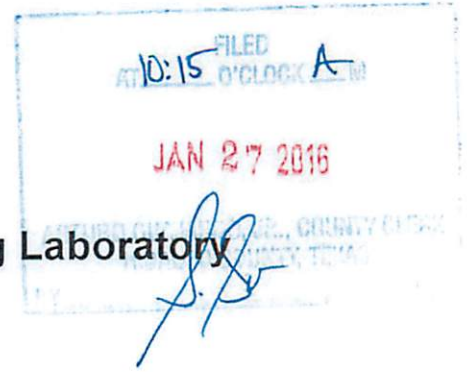
Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

A handwritten signature in blue ink, appearing to read "Raul Lozano".

Raul Lozano
Chief Administrator Pct. 1

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



WORK AUTHORIZATION NO. 5

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 12 North Road (Mile 2 West Road to 2200 LF West of Mile 2 North Road) 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 **\$15,759.00**. 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 4** of the Agreement.

PART 4. FUNDING

This Work Authorization No. **5** shall be funded through funding source:

Account No. 6-1347-431-00-121-204-0-721

Requisition Number 290717 (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. 5

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: AC Cuellar Jr

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 gma



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 12 North Road (Mile 2 West Road to 2200 LF West of Mile 2 North Road)

SOIL BORINGS SECTION

Task: Four (4) 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)	20	19.00	380.00
Standard Penetration Test (each)	16	12.00	192.00
Mobilization and Demobilization (each)	1	350.00	350.00
Technician to Log Soil Test Boring (per hour)	8	54.00	432.00
Soil Material Preparation (per hour)	2	47.00	94.00
Utility Clearance (per hour)	4	70.00	280.00
Atterberg Limits (each)	8	70.00	560.00
Sieve Analysis (each)	8	55.00	440.00
Moisture Content (each)	16	13.00	208.00
Vehicle trip charge (each)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	6	125.00	750.00
Project Management (hourly)	10	75.00	750.00
Clerical (hourly)	2	50.00	100.00
Sub-Total (per trip)	1	-	4,646.00
Sub-Total (per task)	1	4,646.00	4,646.00

SOILS SECTION

Task: Initial Subgrade Sample for Determination of Optimum Lime Content at Roadway (Per Trip, 1 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)	1	661.25	661.25

Task: Subgrade Sample at Roadway (Per Trip, 3 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)	2	585.75	1,171.50



Task: Flexible Base Sample at Roadway (Per Trip, 3 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)	2	850.75	1,701.50

Task: Subgrade density testing at Roadway (Per Trip, 5 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)	5	399.75	1,998.75

Task: Flexible Base density testing at Roadway (Per Trip, 4 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)	4	399.75	1,599.00

SOILS Section Total

7,132.00

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 3 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)	3	485.25	1,455.75

Task: HMAC Pavement Laboratory Testing (3 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

Construction Materials Testing Services
 MEG Proposal No.: 01-16-106M
 January 11, 2016



Sub-Total (per task)	3	375.00	1,125.00
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Task: HMAC Pavement Field Coring (Per Trip, 1 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)	1	1,400.25	1,400.25

HMAC Pavement Section Total

3,981.00

Total Estimated Cost

\$15,759.00



Invoice

Date	Invoice #
7/25/2016	629168-0816

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

Pct. 1 ~~10~~
 C.I.P.
6-1347-431-00-121-214-0-721
 P.O.# 746979

Terms	Due Date	MEG Project
Due on receipt	7/25/2016	Mile 11 Rd (FM 1016 Rd - Mile 1 West Rd)

Description	Qty	Rate	Amount
#C-15-319-09-15			
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	30	13.00	390.00
Vehicle Trip Charge (per day)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	8	125.00	1,000.00
Project Management (per hour)	12	75.00	900.00
Clerical (hourly)	2	50.00	100.00

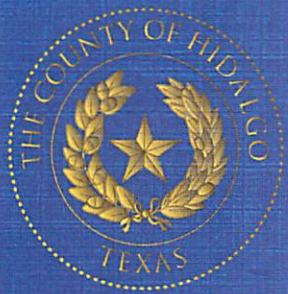
INVOICE RECEIVED BY
[Signature] on 7/28/16
 GOODS/SERVICES RECEIVED BY:
[Signature] on 7/14/16

Innovative. Experienced. Professional.	Total	\$7,776.00
--	--------------	------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$7,776.00

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



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

November 30, 2016

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

RE: Request for material testing – Mile 11 Rd (FM 1016 Rd – Mile 1 West Rd) Paving and Drainage Improvements

Dear Mr. Eufracio:

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:

07/14/16 – Drilled Borings, Soil Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

AT 11:00 FILED
O'CLOCK A.M.

JUL 12 2016

ARTURO GUAJARDO, JR., COUNTY CLERK
HIDALGO COUNTY, TEXAS

BY NCIC DEPUTY

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

WORK AUTHORIZATION NO. 8

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 11 Road (FM 1015 to Mile 1 West Road) 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. **8** shall be funded through funding source:

Account No. 6-1347-431-00-121-214-0-721
Requisition Number 301497 (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. 8

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

BY: *A.C. Cuellar Jr.*

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**

[Signature]
By: Andres Palma, Manager

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

[Signature]
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

C-15-319-09-15

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 11 Road (FM 1015 to Mile 1 West) 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.: 01-16-184M
 June 13, 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# 746979

DATE: 07/21/16

PAGE NO: 1 Of 1

PO TYPE:

VENDOR: 284009

REQ: 00301497

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

(956) 968-8733

SITE: COMMISSIONER, PRECINCT 1

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

SPECIAL INSTRUCTIONS: RK63

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.
5. 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		
		APPROVED BY CC 7/6/16 AI-55242		
		C-15-319-09-15 EXP. 09-14-2016		
1.00	EACH	CC WORK AUTHORIZATION NO. 8 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE MILE 11 ROAD (FM 1015 - MILE 1W) PROJECT	46,076.75	46,076.75
		TOTAL:		46,076.75
		REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233		
		***** For Hidalgo County use only 6-1347-431-00-121-214-0-721	46,076.75	

Authorized by: _____

Asor
Martha Salazar



Invoice

Date	Invoice #
5/31/2016	619138-0616

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

Pct. 1
 C.I.P.
 0-1347-431-00-121-206-0-721
 PO# 738416

Terms	Due Date	MEG Project
Due on receipt	5/31/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
PO #738416			
Report No. 01-16-19138-15-3 ✓ 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
Report No. 01-16-19138-16-1,2 ✓			
Asphalt Engineering Technician (hourly)	8	52.00	416.00
Nuclear Density Test (each)	6	28.00	168.00
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. 01-16-19138-16-3 ✓			
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	60.00	60.00
Report No. 01-16-19138-17-1 ✓			
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

Innovative. Experienced. Professional.		Total				
<table border="1"> <tr> <td>Phone #</td> <td>Fax #</td> </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 #
5/31/2016	619138-0616

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	5/31/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
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. 01-16-19138-18-1			
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. 01-16-19138-19-1			
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. 01-16-19138-20-1			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	1	28.00	28.00
Vehicle Trip Charge (each)	1	37.00	37.00

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
5/31/2016	619138-0616

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

Pct 1 *fy*
 C.I.P.
6-1347-431-00-121-206-0-721
 PO# 738416

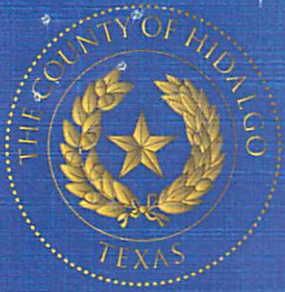
Terms	Due Date	MEG Project
Due on receipt	5/31/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
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. 01-16-19138-20-2 ✓			
Soil Engineering Technician (hourly)	2.75	47.00	129.25
Nuclear Density Test (each)	3	28.00	84.00
Vehicle Trip Charge (each)	1	37.00	37.00
Test Report (each)	0.75	30.00	22.50
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

INVOICE RECEIVED BY
[Signature] on 6/24/16
 GOODS/SERVICES RECEIVED BY:
[Signature] on 6/24/16

Innovative. Experienced. Professional.		Total	\$3,474.25				
<table border="1"> <tr> <td>Phone #</td> <td>Fax #</td> </tr> <tr> <td>(956) 702-8500</td> <td>(956) 702-4180</td> </tr> </table>		Phone #	Fax #	(956) 702-8500	(956) 702-4180	Payments/Credits	\$0.00
Phone #	Fax #						
(956) 702-8500	(956) 702-4180						
		Balance Due	\$3,474.25				

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



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

RECEIVED
COUNTY CLERK

2016 JUN 31 AM 11:03

June 24, 2016

Mr. Ray Eufrazio, CPA
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) PO#738416

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:

04/21/16 – Asphalt lab testing
04/22/16 – Asphalt Rolling Patterns from STA 64+00 to STA 65+50 and from STA 81+50 to 88+50
04/27/16 – Flexible base Nuclear Density Testing from STA 18+00 to 35+00
05/03/16 – Flexible Base Nuclear Density testing from STA 11+00 to 17+00
05/17/16 – Limed Treated Salvage Base Density Testing from STA 24+00 to 29+00
05/18/16 – Flexible Base Nuclear Density testing STA 51+00

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

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

JAN 27 2016

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

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



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.
5. 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



Invoice

Date	Invoice #
8/31/2016	619138-0916

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

INVOICE RECEIVED BY:
Y. Ramirez Est. ON 9/6/16
 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

Pct. 1 *✓*
 C.I.P.
6-1347-431-00-121-206-0-721
 PO# 738416

Terms	Due Date	MEG Project
Due on receipt	8/31/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
P.O. # 738416			
Report No. 01-16-19138-28-2 ✓ 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 test)	1	65.00	65.00
Report No. 01-16-19138-29-2 ✓ 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 test)	1	65.00	65.00
Report No. 01-16-19138-30-1 ✓ Asphalt Engineering Technician (hourly)	12	52.00	624.00
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 Trip Charge (each)	2	37.00	74.00
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	\$2,504.25
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Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$2,504.25

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



Invoice

Date	Invoice #
7/31/2016	619138-0816

Pct. 1
C.I.P.

6-1347-431-00-121-206-0-721

P.O.# 738416

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

INVOICE RECEIVED BY:

Yolanda Estrada 8/9/16

GOODS/SERVICES RECEIVED BY:

[Signature] on 6/23-6/25/16

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	7/31/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
P.O. # 738416			
Report No. 01-16-19138-27-1 ✓			
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 (per hour)	0.25	75.00 ✓	18.75
Clerical (hourly)	1	50.00 ✓	50.00
Report No. 01-16-19138-28-1 ✓			
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 ✓	62.50
Project Management (hourly)	0.25	75.00 ✓	18.75
Clerical (hourly)	1	50.00 ✓	50.00
Report No. 01-16-19138-29-1 ✓			
Asphalt Engineering Technician (hourly)	4	52.00 ✓	208.00
Nuclear Density Test (each)	3	28.00 ✓	84.00
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

Payments/Credits

Balance Due

Phone #	Fax #
(956) 702-8500	(956) 702-4180



Invoice

Date	Invoice #
7/31/2016	619138-0816

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

INVOICE RECEIVED BY
Yolanda Estrada 8/9/16
 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	7/31/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Clerical (hourly)	1	50.00	50.00
Pct. 1 C.I.P. -13 -431-00-121- -0-			

Innovative. Experienced. Professional.	Total	\$1,343.25
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$1,343.25

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



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

November 30, 2016

Mr. Ray Eufracio, 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. Eufracio:

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:

06/23/16 - Nuclear Moisture Density Testing
06/25/16 - Asphalt Rolling Pattern Testing
06/25/16 – Asphalt Rolling Pattern Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,



Raul Lozano
Chief Administrator Pct. 1

FILED
AT 10:15 A.M. JAN 27 2016

JAN 27 2016

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

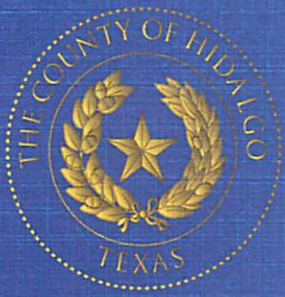
SPECIAL INSTRUCTIONS: RK2

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.
5. 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



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

November 30, 2016

Mr. Ray Eufracio, 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. Eufracio:

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:

06/25/16 - Asphalt Laboratory Testing
06/25/16 - Asphalt Laboratory Testing
07/11/16 – Asphalt Laboratory Field Testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

FILED
AT 10:15 O'CONNOR

JAN 27 2016

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

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

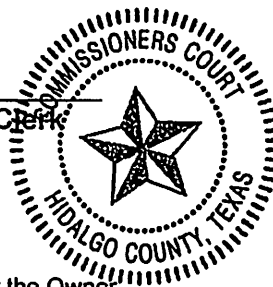
By: Raul Palma, President

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)		-	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
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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



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
Client (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. Our number must appear on all invoices, bills of lading, and packages.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UGM	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



Invoice

INVOICE RECEIVED BY
 ON _____
 PAGES RECEIVED BY:
 ON _____

Date	Invoice #
4/30/2016	619138-0516

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

Pct. 1 *ky*
 C.I.P.
6-1347-431-00-121-206-0-721
 PO#738416

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

Description	Qty	Rate	Amount
PO # 738416			
Report No. 01-16-19138-1-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
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
Report No. 01-16-19138-2-1			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	6	28.00	168.00
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. 01-16-19138-3-1			
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

Innovative. Experienced. Professional.		Total				
<table border="1"> <tr> <td>Phone #</td> <td>Fax #</td> </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				

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Invoice

Date	Invoice #
4/30/2016	619138-0516

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	4/30/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (per hour)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19138-4-1			
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. 01-16-19138-5-1 ✓			
Soil Engineering Technician (hourly) ✓	2.5	47.00 ✓	117.50 ✓
Nuclear Density Test (each)	1	28.00 ✓	28.00 ✓
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. 01-16-19138-6-1 ✓			
Soil Engineering Technician (hourly) ✓	3	47.00 ✓	141.00 ✓
Nuclear Density Test (each) ✓	6	28.00 ✓	168.00 ✓
Vehicle Trip Charge (each) ✓	1	37.00 ✓	37.00 ✓

4314.05

Innovative. Experienced. Professional.	Total
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due

2016 JUN 27 10:23 AM RECEIVED BY COUNTY CLERK



Invoice

Date	Invoice #
4/30/2016	619138-0516

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	4/30/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
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. 01-16-19138-6-2 ✓			
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
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. 01-16-19138-7-1			
Soil Engineering Technician (hourly) ✓	3.5	47.00	164.50
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

\$507.25

\$555.75

\$897.75

Innovative. Experienced. Professional.	Total
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due

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 COUNTY OF HIDALGO



Invoice

Date	Invoice #
4/30/2016	619138-0516

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	4/30/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Report No. 01-16-19138-8-1			
Soil Engineering Technician (hourly) ✓	3	47.00 ✓	141.00 ✓
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 ✓
Report No. 01-16-19138-9-1			
Soil Engineering Technician (hourly) ✓	3	47.00 ✓	141.00 ✓
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 ✓
Report No. 01-16-19138-10-1			
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

\$479.25
 \$479.25

Innovative. Experienced. Professional.		Total
Phone #	Fax #	Payments/Credits
(956) 702-8500	(956) 702-4180	Balance Due



Invoice

Date	Invoice #
4/30/2016	619138-0516

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	4/30/2016	Mile 4 Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19138-11-1			
Soil Engineering Technician (hourly) ✓	3	47.00	141.00
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	40.00	40.00
Report No. 01-16-19138-12-1			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	2	28.00	56.00
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. 01-16-19138-13-1 ✓			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Soil 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

\$469.25

Innovative. Experienced. Professional.		Total				
<table border="1"> <tr> <td>Phone #</td> <td>Fax #</td> </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				

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 COUNTY



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

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Date	Invoice #
4/30/2016	619138-0516

3,702-55*+

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

Pct. 1 *fy*
 C.I.P.

6-1347-431-00-121-206-0-721

PO# 738416

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

Description	Qty	Rate	Amount
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19138-14-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19138-15-1 ✓			
Asphalt Engineering Technician (hourly)	8	52.00	416.00
Nuclear Density Test (each)	6	28.00	168.00
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

INVOICE RECEIVED BY
[Signature] on 6/21/16
 GOODS/SERVICES RECEIVED BY:
[Signature] on 3/8 - 4/21/16

Innovative. Experienced. Professional.		Total	\$8,239.00
Phone #	Fax #	Payments/Credits	\$0.00
(956) 702-8500	(956) 702-4180	Balance Due	\$8,239.00

Make all checks payable to Millennium Engineers Group, Inc.
 Any questions regarding this invoice please contact our Accounts Receivables Department
 (956) 383-8522.

no e-mails provided

<4,536.45>

A.C. CUELLAR JR.

COMMISSIONER PRECINCT 1

June 24, 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 West (10N – 12N)

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:

03/08/16 – Flexible base sample pickup P/4 STA 112+00
03/11/16 – Limed subgrade Nuclear Density testing from STA 100+00 to STA 115+00
03/14/16 – Limed subgrade Nuclear Density Testing from STA 86+00 to STA 112+00
03/15/16 – Lime Salvage Base Nuclear Density Testing from STA 77+50 to STA 83+00
03/16/16 – Lime Salvage Base Nuclear Density Testing from STA 70+00
03/18/16 – Lime Salvage Base Nuclear Density Testing STA 51+00 to STA 66+00
03/18/16 – Salvage Base lime treated STA 53+00 to STA 63+00
03/21/16 – Flexible Base sample pickup at STA 103+00
03/23/16 – Flexible Base Nuclear Density Testing STA 105+00 to STA 115+00
03/31/16 – Flexible Base Nuclear Density Testing STA 87+00 to STA 100+00
04/06/16 – Flexible Base sample pickup
04/07/16 – Limed brown clay with asphalt salvage base Nuclear Density Testing STA 42+00 to STA 53+00
04/12/16 – Salvage Base Limed Nuclear Density Testing STA 15+00 to 17+00

(Continued on next page)

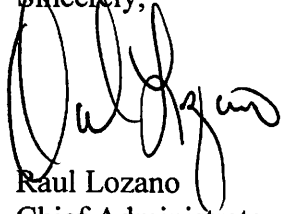
HIDALGO COUNTY PCT. 1
1902 JOE STEPHENS, STE. 101
WESLACO, TEXAS 78599

PH:956.968.8733
FAX:956.969.1417

04/14/16 – Flexible base Nuclear Density Testing
04/15/16 – Flexible base Nuclear Density Testing STA 71+00 to STA 83+00
04/21/16 – Asphalt Rolling Patterns

Should you have any questions or concerns please do not hesitate to contact
Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

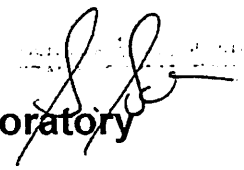


Raul Lozano
Chief Administrator Pct. 1

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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

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.**

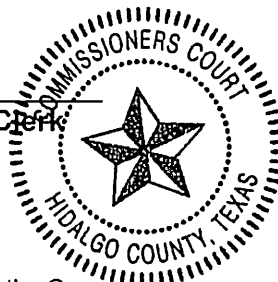
**THE OWNER:
HIDALGO COUNTY**

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



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
Client (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. Cut number must appear on all invoices, bills of lading, and packages.
5. 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



Invoice

Date	Invoice #
8/18/2016	629178-0918

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

INVOICE RECEIVED BY
[Signature] 8/18/16
 GOODS/SERVICES RECEIVED BY:
[Signature] on 7/18/16

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	8/18/2016	Goolie Rd. (Minnesota Rd. to Mile 9)

Description	Qty	Rate	Amount
Task: thirteen (13) 5' depth soil borings at Roadway prior to construction (1 trip estimated) Measurement of Existing Materials, Soil Sampling, Laboratory Testing, and Pavement Recommendations.			
Drilled Borings (Soil)(per foot)	65	19.00	1,235.00
Standard Penetration Test (each)	26	12.00	312.00
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)	26	70.00	1,820.00
Sieve Analysis (each)	26	55.00	1,430.00
Moisture Content (each)	26	13.00	338.00
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
Pct. 1 C.I.P. 6-1347-431-00-121-212-0-721 PO# 746978			

Innovative. Experienced. Professional.	Total	\$8,711.00
	Payments/Credits	\$0.00
	Balance Due	\$8,711.00

Phone #	Fax #
(956) 702-8500	(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



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

November 30, 2016

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

RE: Request for material testing – Goole Rd. (Minnesota Rd. to Mile 9) project

Dear Mr. Eufracio:

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:

7/18/16 – Drilled Borings (Soil) & Geotechnical Engineering Report

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

FILED
AT 11:00 O'CLOCK A.M.

JUL 12 2016

ARTURO GUAJARDO, JR., COUNTY CLERK
HIDALGO COUNTY, TEXAS

DEPUTY

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

WORK AUTHORIZATION NO. 7

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 Goolie Road (Minnesota Road to Mile 9) 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 **\$54,055.25**. 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. 7 shall be funded through funding source:

Account No. 6-1347-431-00-121-212-0-721

Requisition Number 301467 (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. 7

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

BY: AC 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: 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

C-15-319-09-15

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
Goolie Road (Minnesota Road to Mile 9 Road) Project

SOIL BORINGS SECTION

Task: Thirteen (13) 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)	65	19.00	1,235.00
Standard Penetration Test (each)	39	12.00	468.00
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)	26	70.00	1,820.00
Sieve Analysis (each)	26	55.00	1,430.00
Moisture Content (each)	39	13.00	507.00
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	-	9,036.00
Sub-Total (per task)	1	9,036.00	9,036.00

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, 26 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)	26	399.75	10,393.50

Task: Flexible Base density testing at Roadway (Per Trip, 19 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)	19	399.75	7,595.25

SOILS Section Total

36,191.00

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 11 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)	11	485.25	5,337.75

Task: HMAC Pavement Laboratory Testing (11 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)	11	375.00	4,125.00

Construction Materials Testing Services
 MEG Proposal No.: 01-16-163M
 May 6, 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)	6	1,400.25	8,401.50

HMAC Pavement Section Total

17,864.25

Total Estimated Cost

\$54,055.25



Purchase Order COUNTY OF HIDALGO

PO# 746978

DATE: 07/21/16

PAGE NO: 1 of 1

PO TYPE:

VENDOR: 284009

REQ: 00301467

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

(956)968-8733

SITE: COMMISSIONER, PRECINCT 1

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

SPECIAL INSTRUCTIONS: RK62

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.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	EACH	DO NOT DUPLICATE ORDER APPROVED THRU C.C. ON 07/06/2016 UNDER AI-55242 C-15-319-09-15 CC WORK AUTHORIZATION NO. 7 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE GOOLIE ROAD (MINNESOTA RD. - MILE 9) PROJECT <div style="text-align: right;">TOTAL:</div> REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233 ***** For Hidalgo County use only 6-1347-431-00-121-212-0-721 54,055.25	54,055.25	54,055.25

Authorized by: _____

Martha L Salazar

ASD



Invoice

Date	Invoice #
4/30/2016	619154-0516

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

RECEIVED BY
 COUNTY AIR
 2016 JUN 31 AM 10:08

Pct. 1 *40*
 C.I.P.
 0-1345- -431-00-121- 208 -0- 721

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

INVOICE RECEIVED BY
Yolanda Estrada ON 6/7/16
 GOODS/SERVICES RECEIVED BY
Argew ON _____ } see last page.
 P.O. #738418

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

Description	Qty	Rate	Amount
PO # 738418			
Report No. 01-16-19154-1-1 ✓			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	1	28.00	28.00
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. 01-16-19154-2-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	8	28.00	224.00
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. 01-16-19154-4-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
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

Innovative. Experienced. Professional. **Total**

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
4/30/2016	619154-0516

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	4/30/2016	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Project Engineer (each)	0.5	125.00	62.50
Project Management (each)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19154-5-1			
Soil Engineering Technician (hourly)	3.25	47.00	152.75
Standard Proctor (each)	1	200.00	200.00
Atterberg Limits (each)	1	70.00	70.00
Sieve Analysis (each)	1	55.00	55.00
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. 01-16-19154-6-1			
Soil Engineering Technician (hourly)	3	47.00	141.00
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
Report No. 01-16-19154-7-1			
Soil Engineering Technician (hourly)	3	47.00	141.00

Innovative. Experienced. Professional.		Total
		Payments/Credits
		Balance Due

Phone #	Fax #
(956) 702-8500	(956) 702-4180



Invoice

Date	Invoice #
4/30/2016	619154-0516

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

Pct. 1 *fy*
 C.I.P.
6-1345-431-00-121-208-0-721
 PO# 738413

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

Description	Qty	Rate	Amount
Nuclear Density Test (each)	8	28.00	224.00
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. 01-16-19154-8-IV			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19154-9-1			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	4	28.00	112.00
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

INVOICE RECEIVED BY
Ydanda Estrada on *6/7/16*

Innovative. Experienced. Professional. **GOODS/SERVICES RECEIVED BY:**
[Signature] on *4/8-4/21/16*

Total	\$4,137.25
Payments/Credits	\$0.00
Balance Due	\$4,137.25

Phone #	Fax #
(956) 702-8500	(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) 383-8522.

A.C. CUELLAR JR.

COMMISSIONER PRECINCT 1

RECEIVED BY
COUNTY AUDITOR

2016 JUN 31 AM 10:13

June 27, 2016

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

PH:956.968.8733
FAX:956.969.1417

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

RE: Request for material testing – Old La Blanca (Mile 10 – Mile 12)

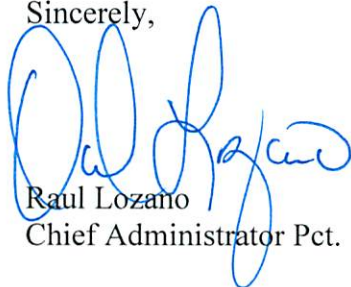
Dear Mr. Eufracio:

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:

04/08/16 – Subgrade Nuclear densities
04/12/16 – Subgrade Nuclear densities
04/12/16 – Subgrade Nuclear densities
04/06/16 – Subgrade fill lab testing
04/08/16 – Subgrade lab testing @ STA 79+75 to STA 80+00
04/18/16 – Subgrade Nuclear densities
04/19/16 – Flexible base nuclear densities
04/20/16 – Subgrade nuclear densities
04/21/16 – Subgrade nuclear densities

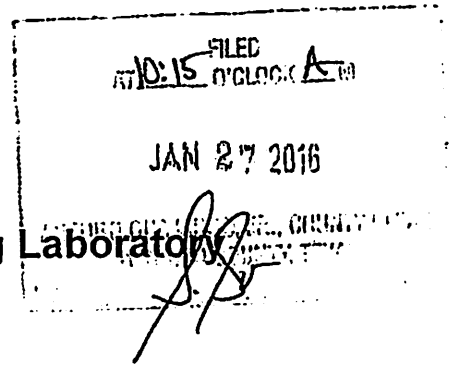
Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,



Raul Lozano
Chief Administrator Pct. 1

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



WORK AUTHORIZATION NO. 5

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 12 North Road (Mile 2 West Road to 2200 LF West of Mile 2 North Road) 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 \$15,759.00. 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 4 of the Agreement.

PART 4. FUNDING

This Work Authorization No. 5 shall be funded through funding source:

Account No. 6-1347-431-00-121-204-0-721

Requisition Number 290717 (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. 5

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

BY: AC Cuellar Jr

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 devices 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 12 North Road (Mile 2 West Road to 2200 LF West of Mile 2 North Road)

SOIL BORINGS SECTION

Task: Four (4) 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)	20	19.00	380.00
Standard Penetration Test (each)	16	12.00	192.00
Mobilization and Demobilization (each)	1	350.00	350.00
Technician to Log Soil Test Boring (per hour)	8	54.00	432.00
Soil Material Preparation (per hour)	2	47.00	94.00
Utility Clearance (per hour)	4	70.00	280.00
Atterberg Limits (each)	8	70.00	560.00
Sieve Analysis (each)	8	55.00	440.00
Moisture Content (each)	16	13.00	208.00
Vehicle trip charge (each)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	6	125.00	750.00
Project Management (hourly)	10	75.00	750.00
Clerical (hourly)	2	50.00	100.00
Sub-Total (per trip)	1	-	4,646.00
Sub-Total (per task)	1	4,646.00	4,646.00

SOILS SECTION

Task: Initial Subgrade Sample for Determination of Optimum Lime Content at Roadway (Per Trip, 1 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)	1	661.25	661.25

Task: Subgrade Sample at Roadway (Per Trip, 3 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)	2	585.75	1,171.50

Construction Materials Testing Services
 MEG Proposal No.: 01-16-106M
 January 11, 2016



Task: Flexible Base Sample at Roadway (Per Trip, 3 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)	2	850.75	1,701.50

Task: Subgrade density testing at Roadway (Per Trip, 5 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)	5	399.75	1,998.75

Task: Flexible Base density testing at Roadway (Per Trip, 4 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)	4	399.75	1,599.00

SOILS Section Total

7,132.00

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 3 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)	3	485.25	1,455.75

Task: HMAC Pavement Laboratory Testing (3 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

Construction Materials Testing Services
 MEG Proposal No.: 01-16-106M
 January 11, 2016



Sub-Total (per task)	3	375.00	1,125.00
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Task: HMAC Pavement Field Coring (Per Trip, 1 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)	1	1,400.25	1,400.25

HMAC Pavement Section Total

3,981.00

Total Estimated Cost

\$15,759.00



Purchase Order COUNTY OF HIDALGO

PO# 738418

DATE: 02/10/16

PAGE NO: 1 OF 1

PO TYPE:

VENDOR: 284009

REQ: 00290722

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: RKL

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.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	EACH	DO NOT DUPLICATE ORDER C-15-319-09-15 EXP. 09-14-2016 CC WORK AUTHORIZATION NO.3 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE OLD LA BLANCA ROAD (MILE 10 TO MILE 12) PROJECT.	46,076.75	46,076.75
		TOTAL:		46,076.75
		***** For Hidalgo County use only 6-1345-431-00-121-208-0-721	46,076.75	

Authorized by:

Martha Salazar



Invoice

Date	Invoice #
5/31/2016	619154-0616

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

Pct. 1
 C.I.P.

6-1345-431-00-121-208-0-721

INVOICE RECEIVED BY
[Signature] ON 10-22-16
 GOODS/SERVICES RECEIVED BY
[Signature] ON _____
 P.O. # 738418

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	5/31/2016	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Report No. 01-16-19154-3-1 ✓			
Soil Engineering Technician (hourly)	2.25	47.00	105.75
Standard Proctor (each)	1	200.00	200.00
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. 01-16-19154-10-1 ✓ <i>Email</i>			
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
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19153-11-1 ✓ <i>V.A. mail</i>			
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
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
5/31/2016	619154-0616

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	5/31/2016	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Report No. 01-16-19153-12-1 ✓ Invoice			
Soil Engineering Technician (hourly)	2	47.00	94.00
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	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19153-13-1 ✓ Invoice			
Soil Engineering Technician (hourly)	2	47.00	94.00
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	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$2,168.00
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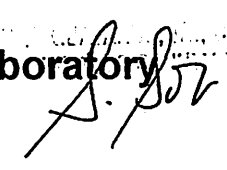
Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$2,168.00

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

FILED
10:15
JAN 27 2016

JAN 27 2016



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

WORK AUTHORIZATION NO. 3

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 Old La Blanca 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. **3** shall be funded through funding source:
Account No. 6-1345-431-00-121-208-0-721
Requisition Number 290722 (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. 3

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

BY: Ramon Garcia A.C. Cuellar Jr.

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 _____, 2015.

**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: 11/9/16



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 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"



Work Schedule
Proposed Construction Materials Engineering and Testing Services
Old La Blanca 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.: 01-15-245M
 December 10, 2015



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



Invoice

Date	Invoice #
8/31/2016	619154-0916

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

Pct. 1
 C.I.P.

6-1345-431-00-121-208-0-721

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

INVOICE RECEIVED BY:
Yolanda Estrada ON 9/7/16
 GOODS/SERVICES RECEIVED BY
 _____ ON _____
P.D.#738418

Terms	Due Date	MEG Project
Due on receipt	8/31/2016	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Report No. 01-16-19154-27-2 ✓ 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
Report No. 01-16-19154-29-1 ✓ 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. 01-16-19154-30-1 ✓ 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 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. 01-16-19154-31-1 ✓			

Innovative. Experienced. Professional.

Total

Payments/Credits

Balance Due

Phone #	Fax #
(956) 702-8500	(956) 702-4180



Invoice

Date	Invoice #
8/31/2016	619154-0916

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

INVOICE RECEIVED BY:
Yolanda Estrada ON 9/2/16
 GOODS/SERVICES RECEIVED BY:
 _____ ON _____

	Terms	Due Date	MEG Project
	Due on receipt	8/31/2016	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Asphalt Engineering Technician (hourly)	6	52.00	312.00
Nuclear Core Density (each)	8	40.00	320.00
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. 01-16-19154-31-2 ✓			
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 test)	1	65.00	65.00

Innovative. Experienced. Professional.	Total	\$3,385.25
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Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$3,385.25

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

A.C. CUELLAR JR.
COMMISSIONER PRECINCT 1

November 30, 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 – Old La Blanca Rd. (Mile 10 to Mile 12)
road project

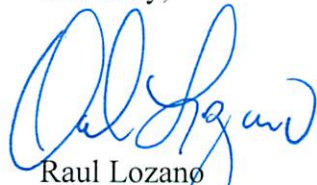
Dear Mr. Eufrazio:

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:

7/15/16 – Asphalt lab testing
7/21/16 - Salvage Base Nuclear Density Testing
7/28/16 – Asphalt pavement cores
8/10/16 - Asphalt Rolling Patterns
8/10/16 - Asphalt lab testing

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

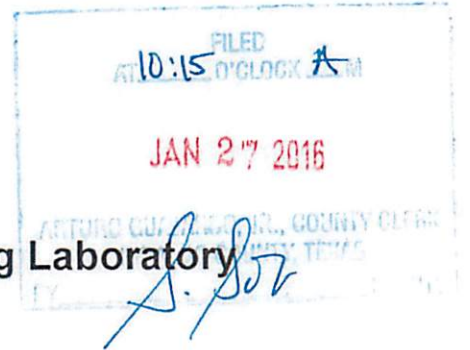


Raul Lozano
Chief Administrator Pct. 1

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

PH:956.968.8733
FAX:956.969.1417

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



WORK AUTHORIZATION NO. 3

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 Old La Blanca 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. 3 shall be funded through funding source:

Account No. 6-1345-431-00-121-208-0-721

Requisition Number 290722 (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. 3

**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 _____, 2015.

**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
Old La Blanca 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.: 01-15-245M
 December 10, 2015



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



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

INVOICE RECEIVED BY

on _____
 GOODS/SERVICES RECEIVED BY:
[Signature] on _____

Invoice

Date	Invoice #
6/30/2016	619154-0716

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

Pct. 1 *[Signature]*
 C.I.P.
6-1345-431-00-121-208-0-721
 PO# 738418

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

Description	Qty	Rate	Amount
P.O. # 738418			
Report No. 01-16-19154-14-1 ✓			
Soill Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19154-16-1,2,3 ✓			
Soil Engineering Technician (hourly)	8	47.00	376.00
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19154-16-4 ✓			
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
Report No. 01-16-19154-16-5 ✓			

Innovative. Experienced. Professional.

Total

Payments/Credits

Balance Due

Phone #	Fax #
9567028500	(956) 702-4180



Invoice

Date	Invoice #
6/30/2016	619154-0716

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	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
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
Report No. 01-16-19154-17-1 ✓			
Asphalt Engineering Technician (hourly)	6	52.00	312.00
Nuclear Density Test (each)	3	28.00	84.00
Vehicle Trip Charge (each)	1	37.00	37.00
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. 01-16-19154-17-2 ✓			
Asphalt Engineering Technician (hourly)	6	52.00	312.00
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	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19154-17-3 ✓			
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

Innovative. Experienced. Professional.	Total
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Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
6/30/2016	619154-0716

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	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Report No. 01-16-19154-17-4 ✓ 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
Report No. 01-16-19154-18-1 ✓ Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19154-19-1 ✓ Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19154-20-1 ✓ Soil Engineering Technician (hourly)	1	47.00	47.00
Nuclear Density Test (each)	4	28.00	112.00

Innovative. Experienced. Professional.	Total
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Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
6/30/2016	619154-0716

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	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
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. 01-16-19154-21-1 ✓			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19154-22-1 ✓			
Soil Engineering Technician (hourly)	3	47.00	141.00
Nuclear Density Test (each)	9	28.00	252.00
Vehicle Trip Charge (per trip)	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. 01-16-19154-23-1 ✓			
Soil Engineering Technician (hourly)	2	47.00	94.00

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits
Balance Due



Invoice

Date	Invoice #
6/30/2016	619154-0716

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	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Nuclear Density Test (each)	4	28.00	112.00
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. 01-16-19154-24-1 ✓			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	4	17.00	68.00
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. 01-16-19154-25-1 ✓			
Vehicle Trip Charge (per trip)	1	37.00	37.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	4	125.00	500.00
Project Management (per hour)	0.25	65.00	16.25
Clerical/Administrative (per hour)	1	50.00	50.00

Innovative. Experienced. Professional.	Total	\$7,425.50
--	--------------	------------

Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$7,425.50

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



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

November 30, 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 – Old La Blanca Rd. (Mile 10 to Mile 12)
road project

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:

5/19/16 - Subgrade Nuclear Density Testing
5/23/16 - Flexible base Nuclear Density Testing & Asphalt Rolling Patterns
5/23/16 - Asphalt lab testing @ STA 97+70
5/23/16 - Asphalt lab testing @ STA 99+30
5/24/16 - Asphalt Rolling Patterns
5/24/16 - Asphalt Rolling Patterns
5/24/16 - Asphalt lab testing @ STA 77+00
5/24/16 - Asphalt lab testing @ STA 45+70
5/25/16 - Subgrade Nuclear Density Testing
5/26/16 - Subgrade Nuclear Density Testing
5/27/16 - Subgrade Nuclear Density Testing
5/31/16 - Subgrade Nuclear Density Testing
6/6/16 - Flexible base Nuclear Density Testing
6/7/16 - Subgrade Nuclear Density Testing
6/9/16 - Subgrade Nuclear Density Testing
6/30/16 - Flexible base Nuclear Density Testing
6/29/16 - Flexible base Nuclear Density Testing
7/15/16 - Asphalt Rolling Patterns
7/18/16 - Subgrade Nuclear Density Testing

(Continued on next page)

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1



Invoice

Date	Invoice #
7/31/2016	619154-0816

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

Pct. 1
 C.I.P.

Lo -1345 -431-00-121-208 -0-721

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

INVOICE RECEIVED BY
Urbano Estrada on *8/9/16*
 GOODS/SERVICES RECEIVED BY:
[Signature] on _____
 P.O. #738418

Terms	Due Date	MEG Project
Due on receipt	7/31/2016	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
P.O. # 738418			
Report No. 01-16-19154-25-1 ✓			
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. 01-16-19154-26-1 ✓			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	2	28.00	56.00
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. 01-16-19154-27-1 ✓			
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	62.50

Innovative. Experienced. Professional.	Total
--	--------------

Phone #	Fax #	INVOICE RECEIVED BY <i>[Signature]</i> on <i>8/13/16</i> GOODS/SERVICES RECEIVED BY: on _____	Payments/Credits
(956) 702-8500	(956) 702-4180		Balance Due



Invoice

Date	Invoice #
7/31/2016	619154-0816

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

INVOICE RECEIVED BY
Yrdaneta Estrada 8/9/14
 GOODS/SERVICES RECEIVED BY:
 _____ on _____

Terms	Due Date	MEG Project
Due on receipt	7/31/2016	Old La Blanca Rd (Mile 10 to Mile 12)

Description	Qty	Rate	Amount
Project Management (hourly)	0.25	75.00	18.75
Clerical (hourly)	1	50.00	50.00
Report No. 01-16-19154-28-1 ✓			
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

Innovative. Experienced. Professional. **Total** \$1,661.50

Phone #	Fax #
(956) 702-8500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$1,661.50

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

FILED
AT 10:15 O'CLOCK A.M.
JAN 27 2016
[Signature]

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

WORK AUTHORIZATION NO. 5

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 12 North Road (Mile 2 West Road to 2200 LF West of Mile 2 North Road) 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 **\$15,759.00**
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 4 of the Agreement.

PART 4. FUNDING

This Work Authorization No. **5** shall be funded through funding source:

Account No. 6-1347-431-00-121-204-0-721
Requisition Number 290717 (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. 5

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

BY: *A.C. Cuellar Jr.*

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 gmc*



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/Maintennnce 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 12 North Road (Mile 2 West Road to 2200 LF West of Mile 2 North Road)

SOIL BORINGS SECTION

Task: Four (4) 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)	20	19.00	380.00
Standard Penetration Test (each)	16	12.00	192.00
Mobilization and Demobilization (each)	1	350.00	350.00
Technician to Log Soil Test Boring (per hour)	8	54.00	432.00
Soil Material Preparation (per hour)	2	47.00	94.00
Utility Clearance (per hour)	4	70.00	280.00
Atterberg Limits (each)	8	70.00	560.00
Sieve Analysis (each)	8	55.00	440.00
Moisture Content (each)	16	13.00	208.00
Vehicle trip charge (each)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (hourly)	6	125.00	750.00
Project Management (hourly)	10	75.00	750.00
Clerical (hourly)	2	50.00	100.00
Sub-Total (per trip)	1	-	4,646.00
Sub-Total (per task)	1	4,646.00	4,646.00

SOILS SECTION

Task: Initial Subgrade Sample for Determination of Optimum Lime Content at Roadway (Per Trip, 1 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)	1	661.25	661.25

Task: Subgrade Sample at Roadway (Per Trip, 3 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)	2	585.75	1,171.50

Construction Materials Testing Services
 MEG Proposal No.: 01-16-106M
 January 11, 2016



Task: Flexible Base Sample at Roadway (Per Trip, 3 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 Limils (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)	2	850.75	1,701.50

Task: Subgrade density testing at Roadway (Per Trip, 5 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)	5	399.75	1,998.75

Task: Flexible Base density testing at Roadway (Per Trip, 4 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)	4	399.75	1,599.00

SOILS Section Total

7,132.00

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 3 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)	3	485.25	1,455.75

Task: HMAC Pavement Laboratory Testing (3 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

Construction Materials Testing Services
 MEG Proposal No.: 01-16-106M
 January 11, 2016



Sub-Total (per task)	3	375.00	1,125.00
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Task: HMAC Pavement Field Coring (Per Trip, 1 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)	1	1,400.25	1,400.25

HMAC Pavement Section Total

3,981.00

Total Estimated Cost

\$15,759.00



Purchase Order COUNTY OF HIDALGO

PO# 738418

DATE: 02/10/16

PAGE NO: 1 of 1

PO TYPE:

VENDOR: 284009

REQ: 00290722

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: RK1

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. Our number must appear on all invoices, bills of lading, and packages.
5. 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.3 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE OLD LA BLANCA ROAD (MILE 10 TO MILE 12) PROJECT.	46,076.75	46,076.75
		TOTAL:		46,076.75
		***** For Hidalgo County use only 6-1345-431-00-121-208-0-721		46,076.75

Authorized by: Martha Salazar



Invoice

Date	Invoice #
10/19/2016	629187-1017

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	10/19/2016	Colonia Del Noreste Improvements

Description	Qty	Rate	Amount
#C-15-319-09-15			
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	30	13.00	390.00
Vehicle Trip Charge (per trip)	2	40.00	80.00
Test Report (each)	1	30.00	30.00
Project Engineer (per hour)	8	125.00	1,000.00
Project Management (per hour)	12	75.00	900.00
Clerical (hourly)	2	50.00	100.00

INVOICE RECEIVED BY
Y. Luna Estrada on 10/24/16
 GOODS/SERVICES RECEIVED BY:
[Signature] on _____
 P.O.# 748546

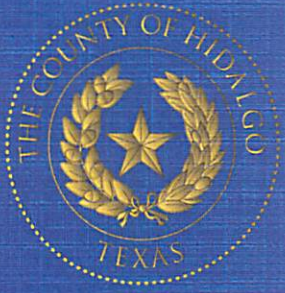
Pct. 1 *[Handwritten mark]*
 C.I.P.
 -1347-431-00-121-211-0-721
 PO# 748546

Innovative. Experienced. Professional.	Total	\$7,776.00
--	--------------	------------

Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$7,776.00

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



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

November 30, 2016

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

RE: Request for material testing – Colonia Noreste project

Dear Mr. Eufracio:

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:

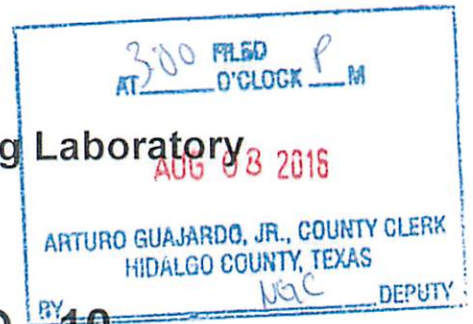
8/22/16 – Drilled Borings (Soil) & Geotechnical Engineering Report

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1

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



WORK AUTHORIZATION NO. 10

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 Colonia Del Noreste 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 \$36,426.25. 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. 10 shall be funded through funding source: Account No. 6-1347-431-00-121-211-0-721
Requisition Number 302349 (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. 10

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: AC Cuellar Jr

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

[Signature]
By: Andres Palma, Manager

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

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



APPROVED BY
COMMISSIONERS' COURT
7/19/16 [Signature]

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
Colonia Del Noreste 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: Backfill Sample at Roadway (Per Trip, 2 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)	2	585.75	1,171.50

Task: Flexible Base Sample at Roadway (Per Trip, 4 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)	4	850.75	3,403.00

Construction Materials Testing Services
 MEG Proposal No.: 01-16-195M
 June 27, 2016



Task: Backfill density testing at Roadway (Per Trip, 18 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)	18	399.75	7,195.50

Task: Flexible Base density testing at Roadway (Per Trip, 11 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)	11	399.75	4,397.25

SOILS Section Total

23,943.25

HMAC PAVEMENT SECTION

Task: HMAC Pavement Field Rolling Pattern Testing (Per Trip, 8 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)	8	485.25	3,882.00

Task: HMAC Pavement Laboratory Testing (8 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	3,000.00

Construction Materials Testing Services
 MEG Proposal No.: 01-16-195M
 June 27, 2016



Task: HMAc Pavement Field Coring (Per Trip, 4 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)	4	1,400.25	5,601.00

HMAc Pavement Section Total

12,483.00

Total Estimated Cost

\$36,426.25



Purchase Order COUNTY OF HIDALGO

PO# 748546

DATE: 08/22/16

PAGE NO: 1 Of 1

PO TYPE:

VENDOR: 284009

REQ: 00302349

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

(956) 968-8733

SITE: COMMISSIONER, PRECINCT 1

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

SPECIAL INSTRUCTIONS: RK70

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.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	EACH	DO NOT DUPLICATE ORDER C-15-319-09-15 EXP. 09-14-2016 APPROVED BY CC 7/19/16 AI-55456 _____ CC WORK AUTHORIZATION NO. 10 FOR CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES FOR THE COLONIA DEL NORESTE PROJECT	36,426.25	36,426.25
		TOTAL:		36,426.25
		***** For Hidalgo County use only 6-1347-431-00-121-211-0-721	36,426.25	

Authorized by: _____

Martha Salazar



Invoice

Date	Invoice #
11/30/2016	619235-1216

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

INVOICE RECEIVED BY

01
 GOODS/SERVICES RECEIVED BY:
 [Signature]
 01

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	11/30/2016	Colonia del Noreste Project

Description	Qty	Rate	Amount
P.O. #748546			
Report No. 01-16-19235-1-1			
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 (per trip)	1	37.00	37.00
Project Engineer (hourly)	0.5	125.00	62.50
Project Management (hourly)	0.25	75.00	18.75
Clerical/Administrative (per hour)	1	50.00	50.00
Report No. 01-16-19235-2-1			
Soil Engineering Technician (hourly)	2.5	47.00	117.50
Nuclear Density Test (each)	4	28.00	112.00
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
Pct. 1 C.I.P. <u>6-13-17-431-00-121-211-0-721</u> PO# 748546			

Innovative. Experienced. Professional.	Total	\$983.50
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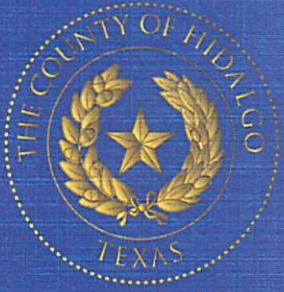
Phone #	Fax #
9567028500	(956) 702-4180

Payments/Credits	\$0.00
Balance Due	\$983.50

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

A.C. CUELLAR JR.

COMMISSIONER PRECINCT 1



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

PH:956.968.8733
FAX:956.969.1417

November 30, 2016

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

RE: Request for material testing – Colonia Noreste project

Dear Mr. Eufracio:

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:

11/18/16 - Flexible base Nuclear Density Testing
11/21/16 – Concrete Inspection

Should you have any questions or concerns please do not hesitate to contact Katia Garcia at (956) 968-8733 ext. 1022.

Sincerely,

Raul Lozano
Chief Administrator Pct. 1