

HIDALGO COUNTY
Professional Engineering Services
Contract # C-CAP-12-194-07-31
Work Authorization Form

WORK AUTHORIZATION NO. 02

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner’s Court**, hereinafter called the “**Owner**,” and, L&G Engineering Laboratory, LLC, professional engineers of Mercedes, Texas, hereinafter called “**Engineer**”.

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide Construction Materials Testing Services for Colonia Access Program Projects in Hidalgo County Precinct No. One (1)

The scope of services to be provided by the **Owner** is identified in *EXHIBIT “A” – Scope of Services to be Provided by the Owner* attached hereto.

The scope of services to be provided by the **Engineer** is identified in *EXHIBIT “B” – Scope of Services to be Provided by the Engineer* attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is \$ 9,421.38 . 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. 6-1312-431-00-121-642-0-339

Account No. 6-1312-431-00-121-270-0-339

Account No. 6-1312-431-00-121-394-0-339

Requisition Number _____ (MUST BE INCLUDED AFTER CC APPROVAL)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scopes of the work authorization or (DATE).

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the **Agreement**.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by Hidalgo County Precinct No.1 Commissioner A.C. Cuellar, Jr. as to content and detail of this Work Authorization No. 2.

HIDALGO COUNTY
COMMISSIONER PRECINCT No. 1:

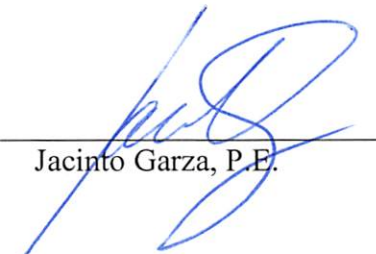
BY: _____

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 _____, 20__.

THE ENGINEER:
L&G ENGINEERING LABORATORY, LLC

THE OWNER:
HIDALGO COUNTY

By:  _____
Jacinto Garza, P.E.

By: _____
Ramon Garcia, County Judge

ATTEST:

By: _____
Arturo Guajardo Jr., County Clerk

LIST OF ATTACHMENTS

- ATTACHMENT "A" - Service to be Provided by the Owner
- ATTACHMENT "B" - Services to be Provided by the Engineer
- ATTACHMENT "C" - Work Schedule
- ATTACHMENT "D" - Cost Proposal

ATTACHMENT "A"
Scope of Services (Owner)

PROJECT: Colonia Access Program Projects in Hidalgo County Precinct No. One (1)

SERVICES TO BE PROVIDED BY OWNER

The County of Hidalgo will provide **L&G Engineering Laboratory, LLC** with **Construction Documents, Plans and Specifications** for the **Colonia Access Program Project**.

ATTACHMENT “B”
Scope of Services (Engineer)

PROJECT: Colonia Access Program Projects in Hidalgo County Precinct No. One (1)

GENERAL SCOPE OF WORK

The Scope of Work will entail providing **The County of Hidalgo** with **Construction Materials Testing Services**.

The Scope of Work is identified as follows:

- **Construction Materials Testing Services**

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

Construction Materials Testing Services

L&G Engineering Laboratory, L.L.C. will provide **The County of Hidalgo** with **Construction Materials Testing Services** for **Colonia Access Program Projects in Hidalgo County Precinct No. One (1)**

The services to be provided are as follows:

- Sampling and laboratory testing of soils and base materials proposed for use in the construction of Roads and Bridges to determine compliance of these materials with project plans and specifications.
- Field density testing of soils and base materials to ensure proper compaction as required by project plans and specifications.
- Field sampling and testing of fresh concrete, and Laboratory testing of hardened concrete to determine compliance with project plans and specifications.
- Field Compaction testing of Asphalt to ensure proper compaction during lay down operations.
- Field inspection, sampling and laboratory testing of Asphalt materials to determine their materials properties and their compliance with project plans and specifications.
- Any additional laboratory testing as required/requested by **The County of Hidalgo** and **the project plans and specifications**.

- Provide accurate and timely reports to **The County of Hidalgo** and all/other recipients as designated by the County.

Engineering Services

L&G Engineering Laboratory, L.L.C. will provide an engineer's review of all test results to determine compliance with all project plans and specifications.

Scheduling of Services

L & G Engineering Laboratory is prepared to make a commitment to **The County of Hidalgo's** materials testing needs. L & G Engineering Laboratory makes every effort to respond to its clients as requests are received, and every effort will be made to keep scheduling conflicts to a minimum. As any other firm or business providing a service, L & G Engineering Laboratory prefers to schedule field and laboratory work with as much advance notice as possible. L & G Engineering Laboratory understands; however, that certain situations may occur when the Client may have a need for Materials Testing Services with as little or no advance notice. During these instances, L & G Engineering Laboratory will make every effort to dispatch personnel to the project within one (1) hour of the Client's request for services.

ATTACHMENT "C"
Work Schedule

PROJECT: Colonia Access Program Projects in Hidalgo County Precinct No. One (1)

Work Schedule

L&G Engineering Laboratory will provide Hidalgo County Pct. No. 1 with Construction Materials Testing Services as outlined in Contract Agreement C-CAP-12-194-07-31.

ATTACHMENT "D"
Cost Proposal

PROJECT: Colonia Access Program Projects in Hidalgo County Precinct No. One (1).

Contract # C-CAP-12-194-07-31

Colonia Name

Barboza Lopez #3	\$3,157.72
Flora Subdivision	\$3,496.89
La Pampa Subdivision	\$2,766.77

Total	\$9,421.38
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Attachment D
Barboza Lopez Subdivision (1090 L.F.)
Prepared for Hidalgo County Pct 1

<i>Roadway Subgrade Materials Testing - Laboratory</i>				
Tech Time	3	Hrs.	\$44.95	\$134.85
Trip Charge	45	Mi.	\$0.48	\$21.60
Atterberg	1	Ea.	\$49.35	\$49.35
Moisture-Density Determ	1	Ea.	\$164.55	\$164.55
Clerical/Admin.	0.25	Hrs.	\$43.85	\$10.96
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$431.18
<i>Roadway Subgrade Field Density Testing</i>				
Tech Time	6	Hrs.	\$44.95	\$269.70
Trip Charge	90	Mi.	\$0.48	\$43.20
Comp. Test	8	Ea.	\$19.75	\$158.00
Clerical/Admin.	1	Hrs.	\$43.85	\$43.85
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$564.61
<i>Roadway Base Materials Testing - Laboratory</i>				
Tech Time	3	Hrs.	\$44.95	\$134.85
Trip Charge	45	Mi.	\$0.48	\$21.60
Sieve Analysis	1	Ea.	\$49.35	\$49.35
Texas Wet Ball Mill	1	Ea.	\$191.95	\$191.95
Atterberg	1	Ea.	\$49.35	\$49.35
Moisture-Density Determ	1	Ea.	\$164.55	\$164.55
Clerical/Admin.	0.5	Hrs.	\$43.85	\$21.93
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$683.44
<i>Base Material Field Density Testing</i>				
Tech Time	6	Hrs.	\$44.95	\$269.70
Trip Charge	80	Mi.	\$0.48	\$38.40
Comp. Test	8	Ea.	\$19.75	\$158.00
Clerical/Admin.	0.5	Hrs.	\$43.85	\$21.93
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$537.89
<i>Asphalt Testing-Field and Laboratory</i>				
Tech Time	6	Hrs.	\$44.95	\$269.70
Trip Charge	81	Mi.	\$0.48	\$38.88
Rolling Patterns	2	Ea.	\$32.85	\$65.70
Density of Asphaltic Cores	1	Pr.	\$27.45	\$27.45
%AC-Grad	1	Ea.	\$191.85	\$191.85
Clerical/Admin.	0.5	Hrs.	\$43.85	\$21.93
Maximum Spg.	1	Ea.	\$93.20	\$93.20
Asphalt Thickness	4	Ea.	\$32.95	\$131.80
Eng. Spec.	0.5	Hrs.	\$60.30	\$30.15
Engineer	0.5	Hrs.	\$139.15	\$69.58
Sub.				\$940.23

Total Estimated Material Testing Fees \$3,157.72

**Attachment D
Flora Subdivision (1200 L.F.)
Prepared for Hidalgo County Pct 1**

Roadway Subgrade Materials Testing - Laboratory				
Tech Time	3	Hrs.	\$44.95	\$134.85
Trip Charge	50	Mi.	\$0.48	\$24.00
Atterberg	1	Ea.	\$49.35	\$49.35
Moisture-Density Determ	1	Ea.	\$164.55	\$164.55
Clerical/Admin.	0.25	Hrs.	\$43.85	\$10.96
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				<u>\$433.58</u>
Roadway Subgrade Field Density Testing				
Tech Time	6	Hrs.	\$44.95	\$269.70
Trip Charge	100	Mi.	\$0.48	\$48.00
Comp. Test	8	Ea.	\$19.75	\$158.00
Clerical/Admin.	1	Hrs.	\$43.85	\$43.85
Eng. Spec.	0.5	Hrs.	\$60.30	\$30.15
Engineer	0.5	Hrs.	\$139.15	\$69.58
Sub.				<u>\$619.28</u>
Roadway Base Materials Testing - Laboratory				
Tech Time	3	Hrs.	\$44.95	\$134.85
Trip Charge	50	Mi.	\$0.48	\$24.00
Sieve Analysis	1	Ea.	\$49.35	\$49.35
Texas Wet Ball Mill	1	Ea.	\$191.95	\$191.95
Atterberg	1	Ea.	\$49.35	\$49.35
Moisture-Density Determ	1	Ea.	\$164.55	\$164.55
Clerical/Admin.	0.5	Hrs.	\$43.85	\$21.93
Eng. Spec.	0.5	Hrs.	\$60.30	\$30.15
Engineer	0.5	Hrs.	\$139.15	\$69.58
Sub.				<u>\$735.70</u>
Base Material Field Density Testing				
Tech Time	6	Hrs.	\$44.95	\$269.70
Trip Charge	100	Mi.	\$0.48	\$48.00
Comp. Test	8	Ea.	\$19.75	\$158.00
Clerical/Admin.	0.5	Hrs.	\$43.85	\$21.93
Eng. Spec.	0.5	Hrs.	\$60.30	\$30.15
Engineer	0.5	Hrs.	\$139.15	\$69.58
Sub.				<u>\$597.35</u>
Asphalt Testing-Field and Laboratory				
Tech Time	6	Hrs.	\$44.95	\$269.70
Trip Charge	125	Mi.	\$0.48	\$60.00
Rolling Patterns	2	Ea.	\$32.85	\$65.70
Density of Asphaltic Cores	2	Pr.	\$27.45	\$54.90
%AC-Grad	1	Ea.	\$191.85	\$191.85
Clerical/Admin.	1	Hrs.	\$43.85	\$43.85
Maximum Spg.	1	Ea.	\$93.20	\$93.20
Asphalt Thickness	4	Ea.	\$32.95	\$131.80
Eng. Spec.	1	Hrs.	\$60.30	\$60.30
Engineer	1	Hrs.	\$139.15	\$139.15
Sub.				<u>\$1,110.45</u>

Total Estimated Material Testing Fees \$3,496.89

Attachment D
La Pampa Subdivision (1200 L.F.)
Prepared for Hidalgo County Pct 1

<i>Roadway Subgrade Materials Testing - Laboratory</i>				
Tech Time	3	Hrs.	\$44.95	\$134.85
Trip Charge	50	Mi.	\$0.48	\$24.00
Atterberg	1	Ea.	\$49.35	\$49.35
Moisture-Density Determ	1	Ea.	\$164.55	\$164.55
Clerical/Admin.	0.25	Hrs.	\$43.85	\$10.96
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$433.58
<i>Roadway Subgrade Field Density Testing</i>				
Tech Time	4	Hrs.	\$44.95	\$179.80
Trip Charge	80	Mi	\$0.48	\$38.40
Comp. Test	5	Ea.	\$19.75	\$98.75
Clerical/Admin.	0.25	Hrs.	\$43.85	\$10.96
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$377.78
<i>Roadway Base Materials Testing - Laboratory</i>				
Tech Time	3	Hrs.	\$44.95	\$134.85
Trip Charge	40	Mi.	\$0.48	\$19.20
Sieve Analysis	1	Ea.	\$49.35	\$49.35
Texas Wet Ball Mill	1	Ea.	\$191.95	\$191.95
Atterberg	1	Ea.	\$49.35	\$49.35
Moisture-Density Determ	1	Ea.	\$164.55	\$164.55
Clerical/Admin.	0.25	Hrs.	\$43.85	\$10.96
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$670.08
<i>Base Material Field Density Testing</i>				
Tech Time	4	Hrs.	\$44.95	\$179.80
Trip Charge	80	Mi	\$0.48	\$38.40
Comp. Test	6	Ea.	\$19.75	\$118.50
Clerical/Admin.	0.5	Hrs.	\$43.85	\$21.93
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$408.49
<i>Asphalt Testing-Field and Laboratory</i>				
Tech Time	6	Hrs.	\$44.95	\$269.70
Trip Charge	120	Mi	\$0.48	\$57.60
Rolling Patterns	2	Ea.	\$32.85	\$65.70
Density of Asphaltic Cores	1	Pr.	\$27.45	\$27.45
%AC-Grad	1	Ea.	\$191.85	\$191.85
Clerical/Admin.	0.5	Hrs.	\$43.85	\$21.93
Maximum Spg.	1	Ea.	\$93.20	\$93.20
Asphalt Thickness	3	Ea.	\$32.95	\$98.85
Eng. Spec.	0.25	Hrs.	\$60.30	\$15.08
Engineer	0.25	Hrs.	\$139.15	\$34.79
Sub.				\$876.14

Total Estimated Material Testing Fees \$2,766.77