

HIDALGO COUNTY
Professional Engineering Services
Contract # C-CAP-08-022-00-00
Work Authorization Form

WORK AUTHORIZATION NO. 01

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 Bernal Subdivision (between FM 491 & Mile 12 North) Project 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 **\$1,310.40**. This amount is based upon the costs outlined in the **Estimated Cost Proposal** attached hereto as **EXHIBIT "D"**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with Article/Part/Section 5.1 of the Agreement.

PART 4. FUNDING

This Work Authorization No. 01 shall be funded through funding source:

Account No. 8-1311-431-00-121-105-1-339

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 Sylvia Handy as to content and detail of this Work Authorization No. # 01.

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 _____, 2008.

THE ENGINEER:
L&G ENGINEERING LABORATORY, LLC

THE OWNER:
HIDALGO COUNTY

By: Jacinto Garza

By: Juan D. Salinas, III, County Judge

ATTEST:

by: Arturo Guajardo, J.R. - 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: Bernal Subdivision (between FM 491 & Mile 12 North) Construction Project 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 **Bernal Subdivision (between FM 491 & Mile 12 North) Construction Project**.

ATTACHMENT “B”
Scope of Services (Engineer)

PROJECT: Bernal Subdivision (between FM 491 & Mile 12 North) Construction Project 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 the **Bernal Subdivision (between FM 491 & Mile 12 North) Construction Project 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: Bernal Subdivision (between FM 491 & Mile 12 North) Construction Project
in Hidalgo County Precinct No. One (1)

Work Schedule

L&G Engineering Laboratory will provide **Hidalgo County Pct. # 1** with **Construction Materials Testing Services** as outlined in **Contract Agreement C-CAP-08-022-05-20**.

ATTACHMENT "D"
Cost Proposal

PROJECT: Bernal Subdivision (between FM 491 & Mile 12 North) Construction Project
in Hidalgo County Precinct No. One (1).

See Attached

Attachment "D"
Bernal Subdivision (between FM 491 & Mile 12 North)(Approx. 1,237 L.F.)
Prepared For Hidalgo County Pct. No. 1

<i>In Situ Subgrade Laboratory Testing</i>				
Tech Time	0.25	Hrs.	\$43.60	\$10.90
Trip Charge	5	Mi	\$0.473	\$2.37
Proctor	1	Ea.	\$170.20	\$170.20
Atterberg	1	Ea.	\$47.85	\$47.85
Admin.	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$260.82
<i>In-Situ Subgrade Field Density Testing</i>				
Tech Time	0.25	Hrs.	\$43.60	\$10.90
Trip Charge	5	Mi	\$0.473	\$2.37
Comp. Test	2	Ea.	\$19.15	\$38.30
Admin.	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$81.07
<i>Roadway Base Materials Testing - Laboratory</i>				
Tech Time	0.25	Hrs.	\$43.60	\$10.90
Trip Charge	5	Mi.	\$0.473	\$2.37
Sieve Analysis	1	Ea.	\$47.90	\$47.90
Texas Wet Ball Mill	1	Ea.	\$186.20	\$186.20
Atterberg	1	Ea.	\$47.85	\$47.85
Moisture-Density Determ	1	Ea.	\$170.20	\$170.20
Admin	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$494.92
<i>Base Material Field Density Testing</i>				
Tech Time	0.25	Hrs.	\$43.60	\$10.90
Trip Charge	4	Mi	\$0.473	\$1.89
Comp. Test	1	Ea.	\$19.15	\$19.15
Admin.	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$61.44
<i>Asphalt Testing-Field and Laboratory</i>				
Tech Time	0.25	Hrs.	\$53.40	\$13.35
Trip Charge	5	Mi	\$0.473	\$2.37
Rolling Patterns	1	Ea.	\$31.90	\$31.90
Laboratory Molded (ga)	1	Ea.	\$26.60	\$26.60
%AC-Grad	1	Ea.	\$186.10	\$186.10
Rice Gravity (gr)	1	Ea.	\$90.40	\$90.40
Admin.	0.125	Hrs.	\$42.55	\$5.32
Asphalt Thickness	1	Ea.	\$31.95	\$31.95
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$412.17

Total Estimated Materials Testing Fees \$1,310.40



Account No 13-1311-431-00-121-105-1-339

Accounting Period 13

Period YTD

213576

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Acct. Year 8

Previous Year Info.

Description BERNAL-OTHER PROF SRV

Summary

Budgets

Open Encumbrances

Encumbrance Detail

All Encumbrances

Checks

All << >>

Period	Original Budget	Adjusted Budget	Encumbrance	Actual	Avail/Rec/Bal
01	.00	.00	1,310.60	.00	1,310.60-
02	.00	1,486.40	.00	175.80	.00
07	.00	.00	1,310.60-	.00	1,310.60
YTD	.00	1,486.40	.00	175.80	1,310.60
PRE	.00	.00	.00	.00	.00
TOT	.00	1,486.40	.00	175.80	1,310.60

Handwritten note: - 114326

HIDALGO COUNTY
Professional Engineering Services
Contract # C-CAP-08-022-00-00
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 Highland Subdivision (between FM 491 & ¼ Mile East on Mile 9 North) Project 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 **\$1,986.11**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D"**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with Article/Part/Section 5.1 of the Agreement.

PART 4. FUNDING

This Work Authorization No.02 shall be funded through funding source:

Account No. 8-1311-431-00-121-318-1-339

Requisition Number _____ (MUST BE INCLUDED AFTER CC APPROVAL)

Professional Engineer

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 Sylvia Handy as to content and detail of this Work Authorization No. # 02.

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 _____, 2008.

THE ENGINEER:
L&G ENGINEERING LABORATORY, LLC

THE OWNER:
HIDALGO COUNTY

By: Jacinto Garza

By: Juan D. Salinas, III, County Judge

ATTEST:

by: Arturo Guajardo, J.R. - 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: Highland Subdivision (between FM 491 & ¼ Mile East on Mile 9 North)
Construction Project 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 **Highland Subdivision (between FM 491 & ¼ Mile East on Mile 9 North) Construction Project**.

**ATTACHMENT “B”
Scope of Services (Engineer)**

PROJECT: Highland Subdivision (between FM 491 & ¼ Mile East on Mile 9 North) Construction Project 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 the **Highland Subdivision (between FM 491 & ¼ Mile East on Mile 9 North) Construction Project 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: Highland Subdivision (between FM 491 & ¼ Mile East on Mile 9 North)
Construction Project in Hidalgo County Precinct No. One (1)

Work Schedule

L&G Engineering Laboratory will provide **Hidalgo County Pct. # 1** with **Construction Materials Testing Services** as outlined in **Contract Agreement C-CAP-08-022-05-20**.

ATTACHMENT "D"
Cost Proposal

PROJECT: Highland Subdivision (between FM 491 & ¼ Mile East on Mile 9 North)
Construction Project in Hidalgo County Precinct No. One (1).

See Attached

Attachment "D"
Highland Subdivision (between FM 491 1/4 Mile East on Mile 9 North)
Prepared For Hidalgo County Pct. No. 1

<i>In Situ Subgrade Laboratory Testing</i>				
Tech Time	2	Hrs.	\$43.60	\$87.20
Trip Charge	16	Mi	\$0.473	\$7.57
Proctor	1	Ea.	\$170.20	\$170.20
Atterberg	1	Ea.	\$47.85	\$47.85
Admin.	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
			Sub.	\$342.32
<i>In-Situ Subgrade Field Density Testing</i>				
Tech Time	2	Hrs.	\$43.60	\$87.20
Trip Charge	16	Mi	\$0.473	\$7.57
Comp. Test	3	Ea.	\$19.15	\$57.45
Admin.	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
			Sub.	\$181.72
<i>Roadway Base Materials Testing - Laboratory</i>				
Tech Time	1.5	Hrs.	\$43.60	\$65.40
Trip Charge	16	Mi.	\$0.473	\$7.57
Sieve Analysis	1	Ea.	\$47.90	\$47.90
Texas Wet Ball Mill	1	Ea.	\$186.20	\$186.20
Atterberg	1	Ea.	\$47.85	\$47.85
Moisture-Density Determ	1	Ea.	\$170.20	\$170.20
Admin	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
			Sub.	\$554.62
<i>Base Material Field Density Testing</i>				
Tech Time	1.5	Hrs.	\$43.60	\$65.40
Trip Charge	16	Mi	\$0.473	\$7.57
Comp. Test	3	Ea.	\$19.15	\$57.45
Admin.	0.125	Hrs.	\$42.55	\$5.32
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
			Sub.	\$159.92
<i>Asphalt Testing-Field and Laboratory</i>				
Tech Time	3.5	Hrs.	\$53.40	\$186.90
Trip Charge	32	Mi	\$0.473	\$15.14
Rolling Patterns	1	Ea.	\$31.90	\$31.90
Laboratory Molded (ga)	3	Ea.	\$26.60	\$79.80
%AC-Grad	1	Ea.	\$186.10	\$186.10
Rice Gravity (gr)	1	Ea.	\$90.40	\$90.40
Admin.	0.125	Hrs.	\$42.55	\$5.32
Asphalt Thickness	4	Ea.	\$31.95	\$127.80
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
			Sub.	\$747.54

Total Estimated Materials Testing Fees \$1,986.11

Account No B-1311-431-00-121-318-1-339

Accounting Period 13

Period YTD

213601

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Acct. Year B

Previous Year Info.

Description HIGH LAND-OTHER PROF SRV

Summary

Budgets

Open Encumbrances

Encumbrance Detail

All Encumbrances

Checks

All << >> >>

Period	Original Budget	Adjusted Budget	Encumbrance	Actual	Avail/Rec/Bal
01	.00	.00	1,999.16	.00	1,999.16-
02	.00	2,174.96	.00	175.80	.00
07	.00	.00	1,999.16-	.00	1,999.16
YTD	.00	2,174.96	.00	175.80	1,999.16
PRE	.00	.00	.00	.00	.00
TOT	.00	2,174.96	.00	175.80	1,999.16

- \$ 492¹³

HIDALGO COUNTY
Professional Engineering Services
Contract # C-CAP-08-022-00-00
Work Authorization Form

WORK AUTHORIZATION NO. 03

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 Chapa 3-Mile 12 ½ N. Subdivision (between FM 88 & Mile 6 West) Project 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 **\$1,030.55**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D"**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with Article/Part/Section 5.1 of the Agreement.

PART 4. FUNDING

This Work Authorization No.03 shall be funded through funding source:
Account No. 8-1311-431-00-121-150-1-339
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 Sylvia Handy as to content and detail of this Work Authorization No. # 03.

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 _____, 2008.

THE ENGINEER:
L&G ENGINEERING LABORATORY, LLC

THE OWNER:
HIDALGO COUNTY

By: Jacinto Garza

By: Juan D. Salinas, III, County Judge

ATTEST:

by: Arturo Guajardo, J.R. - 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: Chapa 3-Mile 12 ½ N. Subdivision (between FM 88 & Mile 6 West)
Construction Project 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 **Chapa 3-Mile 12 ½ N. Subdivision (between FM 88 & Mile 6 West) Construction Project.**

**ATTACHMENT “B”
Scope of Services (Engineer)**

PROJECT: Chapa 3-Mile 12 N. Subdivision (between FM 88 & Mile 6 West) Construction Project 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 the **Chapa 3-Mile 12 ½ N. Subdivision (between FM 88 & Mile 6 West) Construction Project 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: Chapa 3-Mile 12 ½ N. Subdivision (between FM 88 & Mile 6 West)
Construction Project in Hidalgo County Precinct No. One (1)

Work Schedule

L&G Engineering Laboratory will provide Hidalgo County Pct. # 1 with Construction Materials Testing Services as outlined in Contract Agreement C-CAP-08-022-05-20.

ATTACHMENT "D"
Cost Proposal

PROJECT: Chapa 3-Mile 12 ½ N. Subdivision (between FM 88 & Mile 6 West)
Construction Project in Hidalgo County Precinct No. One (1).

See Attached

Attachment "D"
Chapa 3 Mile 12 1/2 North Between FM 88 & Mi. 6 West
Prepared For Hidalgo County Pct. No. 1

<i>In Situ Subgrade Laboratory Testing</i>				
Tech Time	0.125	Hrs.	\$43.60	\$5.45
Trip Charge	4	Mi	\$0.473	\$1.89
Proctor	1	Ea.	\$170.20	\$170.20
Atterberg	1	Ea.	\$47.85	\$47.85
Admin.	0	Hrs.	\$42.55	\$0.00
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$249.57
<i>In-Situ Subgrade Field Density Testing</i>				
Tech Time	0.125	Hrs.	\$43.60	\$5.45
Trip Charge	4	Mi	\$0.473	\$1.89
Comp. Test	1	Ea.	\$19.15	\$19.15
Admin.	0	Hrs.	\$42.55	\$0.00
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$50.67
<i>Roadway Base Materials Testing - Laboratory</i>				
Tech Time	0.125	Hrs.	\$43.60	\$5.45
Trip Charge	4	Mi.	\$0.473	\$1.89
Sieve Analysis	1	Ea.	\$47.90	\$47.90
Atterberg	1	Ea.	\$47.85	\$47.85
Moisture-Density Determ	1	Ea.	\$170.20	\$170.20
Admin	0	Hrs.	\$42.55	\$0.00
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.06	Hrs.	\$134.95	\$8.10
Sub.				\$288.70
<i>Base Material Field Density Testing</i>				
Tech Time	0.125	Hrs.	\$43.60	\$5.45
Trip Charge	4	Mi	\$0.473	\$1.89
Comp. Test	1	Ea.	\$19.15	\$19.15
Admin.	0	Hrs.	\$42.55	\$0.00
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.06	Hrs.	\$134.95	\$8.10
Sub.				\$41.90
<i>Asphalt Testing-Field and Laboratory</i>				
Tech Time	0.125	Hrs.	\$53.40	\$6.68
Trip Charge	4	Mi	\$0.473	\$1.89
Rolling Patterns	1	Ea.	\$31.90	\$31.90
Laboratory Molded (ga)	1	Ea.	\$26.60	\$26.60
%AC-Grad	1	Ea.	\$186.10	\$186.10
Rice Gravity (gr)	1	Ea.	\$90.40	\$90.40
Admin.	0	Hrs.	\$42.55	\$0.00
Asphalt Thickness	1	Ea.	\$31.95	\$31.95
Eng. Spec.	0.125	Hrs.	\$58.50	\$7.31
Engineer	0.125	Hrs.	\$134.95	\$16.87
Sub.				\$399.70

Total Estimated Materials Testing Fees \$1,030.55



Account No 13-1311-431-00-121-150-1-339

Accounting Period 13

Period YTD

213581

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Acct. Year B

Previous Year Info.

Description CHAPA III-OTHER PROF SRV

Summary

Budgets

Open Encumbrances

Encumbrance Detail

All Encumbrances

Checks

All << >>

Period	Original Budget	Adjusted Budget	Encumbrance	Actual	Avail/Rec/Bal
01	.00	.00	336.84	.00	336.84-
02	.00	766.58	.00	429.74	.00
07	.00	.00	336.84-	.00	336.84
YTD	.00	766.58	.00	429.74	336.84
PRE	.00	.00	336.84	.00	336.84-
TOT	.00	766.58	336.84	429.74	.00

\$2235.40

HIDALGO COUNTY
Professional Engineering Services
Contract # C-CAP-08-022-00-00
Work Authorization Form

WORK AUTHORIZATION NO. 04

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 La Palma 1 Subdivision (between Mile 7 North 500’ East of Midway Rd.) Project 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 **\$1,026.68**. This amount is based upon the costs outlined in the **Estimated Cost Proposal** attached hereto as **EXHIBIT “D”**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with Article/Part/Section 5.1 of the Agreement.

PART 4. FUNDING

This Work Authorization No.04 shall be funded through funding source:

Account No. 8-1311-431-00-121-391-0-339

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 Sylvia Handy as to content and detail of this Work Authorization No. # 04.

HIDALGO COUNTY

COMMISSIONER PRECINCT NO. 1: *Sylvia Handy*

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 _____, 2008.

THE ENGINEER:
L&G ENGINEERING LABORATORY, LLC

THE OWNER:
HIDALGO COUNTY

By: Jacinto Garza

By: Juan D. Salinas, III, County Judge

ATTEST:

Arturo Guajardo

by: Arturo Guajardo, J.R. - 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: La Palma 1 Subdivision (between Mile 7 North 500' East of Midway Rd.)
Construction Project 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 **La Palma 1 Subdivision (between Mile 7 North 500' East of Midway Rd.) Construction Project**.

**ATTACHMENT “B”
Scope of Services (Engineer)**

***PROJECT:* La Palma 1 Subdivision (between Mile 7 North 500’ East of Midway Rd.)
Construction Project 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 the **La Palma 1 Subdivision (between Mile 7 North 500’ East of Midway Rd.) Construction Project 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: La Palma 1 Subdivision (between Mile 7 North 500' East of Midway Rd)
Construction Project in Hidalgo County Precinct No. One (1)

Work Schedule

L&G Engineering Laboratory will provide **Hidalgo County Pct. # 1** with **Construction Materials Testing Services** as outlined in **Contract Agreement C-CAP-08-022-05-20**.

ATTACHMENT "D"
Cost Proposal

PROJECT: La Palma 1 Subdivision (between Mile 7 North 500' East of Midway Rd)
Construction Project in Hidalgo County Precinct No. One (1).

See Attached

Attachment "D"
La Palma 1 Subdivision between Mile 7 N.-500' East of Midway(Overlay Only)
Prepared For Hidalgo County Pct. No. 1

<i>Asphalt Testing-Field and Laboratory</i>				
Tech Time	6	Hrs.	\$53.40	\$320.40
Trip Charge	30	Mi	\$0.473	\$14.19
Rolling Patterns	1	Ea.	\$31.90	\$31.90
Laboratory Molded (ga)	3	Ea.	\$26.60	\$79.80
%AC-Grad	1	Ea.	\$186.10	\$186.10
Rice Gravity (gr)	1	Ea.	\$90.40	\$90.40
Admin.	1.5	Hrs.	\$42.55	\$63.83
Asphalt Thickness	6	Ea.	\$31.95	\$191.70
Eng. Spec.	0.25	Hrs.	\$58.50	\$14.63
Engineer	0.25	Hrs.	\$134.95	\$33.74
			Sub.	\$1,026.68

Total Estimated Materials Testing Fees \$1,026.68

Account No B-1311-431-00-121-391-0-339

Accounting Period 13

Period YTD

213511

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Acct. Year 8

Previous Year Info.

Description LA PALMA S/D-OTHER PROF SRV

Summary

Budgets

Open Encumbrances

Encumbrance Detail

All Encumbrances

Checks

All K <>>

Period	Original Budget	Adjusted Budget	Encumbrance	Actual	Avail/Rec/Bal
01	.00	.00	3,038.30	.00	3,038.30-
02	.00	3,038.30	.00	.00	.00
07	.00	.00	3,038.30-	.00	3,038.30
YTD	.00	3,038.30	.00	.00	3,038.30
PRE	.00	.00	3,038.30	.00	3,038.30-
TOT	.00	3,038.30	3,038.30	.00	.00