

**HIDALGO COUNTY**  
Professional Construction Material Testing laboratory Services  
Agreement # C-CAP-08-023-09-02  
Work Authorization Form

**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 **Commissioners' Court**, hereinafter called the "**Owner**," and, Raba-Kistner Consultants, Inc. Professional Laboratories of McAllen Texas, hereinafter called "**Laboratory**".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the Laboratory to provide Construction Material Testing for El Charro #2, Pentecostal Subdivision, Morning Sun Subdivision and Southside Subdivision in Hidalgo County, Texas.

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 **Laboratory** is identified in *EXHIBIT "B" – Scope of Services to be Provided by the Laboratory* attached hereto.

**PART 2. ESTIMATED COST**

The estimated cost for the services under this Work Authorization is \$ 13,364.84. This amount is based upon the costs outlined in the Estimated Cost Proposal hereto as **EXHIBIT "D"**.

**PART 3. PAYMENT**

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

**PART 4. FUNDING**

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

Account No.

Requisition Number \_\_\_\_\_ (MUST BE INCLUDED AFTER CC APPROVAL)

**PART 5. PERIOD OF SERVICE**

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

**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

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

WA \_\_\_\_\_

**PART 7. ACKNOWLEDGEMENT AND CONFIRMATION**

Acknowledgement and confirmation by Hidalgo County Precinct No 2 Commissioner Hector "Tito" Palacios as to content and detail of this Work Authorization No \_\_\_\_\_.

**HIDALGO COUNTY  
COMMISSIONER PRECINCT NO 2**

**BY:** \_\_\_\_\_

**PART 8 ACCEPTANCES 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 LABORATORY:  
RABA-KISTNER CONSULTANTS, INC.**

\_\_\_\_\_  
**BY: Dennis C. Charkow**

**THE OWNER:  
HIDALGO COUNTY**

\_\_\_\_\_  
**Juan D. Salinas III, County Judge**

**ATTEST:**

\_\_\_\_\_  
**Arturo Guajardo Jr., County Clerk**

**EXHIBIT "A"**  
Services to be Provided by 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"**

### **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 the Hidalgo County Colonia Access Program - Precinct #2 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 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 specifications 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 recommendation for the design, construction and maintenance projects.
- 6) Provide assistance to the OWNER in providing pavement condition studies.
- 7) Furnish the OWNER all necessary report for preliminary design, design, and 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 project as required by the project plans and specifications and/or specified by the project design Laboratory.
- 4) Review all material designs as requested by the OWNER and/or project design Laboratory.
- 5) Furnish the OWNER all necessary reports for construction and maintenance projects.
- 6) Provide construction observation 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 for 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 for 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 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.

**CONSTRUCTION MATERIALS TESTING UNIT RATES**  
**Border Colonia Access Program Project Round 2**  
**EI Charro #2, Hidalgo County, Texas**

Internal Codes		Description	Unit Fees		Estimated Quantity	Estimated Cost
5VRSF	1	Moisture/Density Relationship Proctor (ASTM/AASHTO)	\$ 194.75	ea.	3	\$ 584.25
5VRBG	2	Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$ 70.75	ea.	3	\$ 212.25
5WKR8	3	Sieve Analysis -200	\$ 47.75	ea.	2	\$ 95.50
5WKR5	4	Sieve Analysis - Fleible Base Material	\$ 47.75	ea.	1	\$ 47.75
5QT04	5	Proof Rolling Observation	\$ 41.60	hr.	6	\$ 249.60
5QT00	6	Technician Time - Sampling	\$ 41.60	hr.	8	\$ 332.80
5QOMO	7	Nuclear Field Density Tests	\$ 17.75	ea.	39	\$ 692.25
5QT05	8	Technician Time - Density Testing	\$ 41.60	hr.	18	\$ 748.80
5QFXE	9	Concrete Compressive Strength Tests	\$ 13.00	ea.	40	\$ 520.00
5QT06	10	Technician Time - Concrete Testing	\$ 41.60	hr.	24	\$ 998.40
5QBT0	11	Air Content for Concrete	\$ 24.25	ea.	8	\$ 194.00
5Q055	12	Technician Time - Pick-Up Specimen( s)	\$ 41.60	hr.	8	\$ 332.80
5RT01	13	Vehicle Travel Charge	\$ 20.75	trip	34	\$ 705.50
5Q0R5	14	Coring of Asphaltic Concrete to Determine Thickness Density	\$ 75.00	ea.	9	\$ 675.00
5Q401	15	Asphaltic Concrete Laydown Observation	\$ 49.50	hr.	20	\$ 990.00
5UIBMH	16	Extraction, Gradation, Bitumen Content and Laboratory Density of Asphaltic Concrete	\$ 239.50	ea.	2	\$ 479.00
5UBSO	17	Maximum Theoretical Specific Gravity of Asphalt	\$ 98.25	ea.	2	\$ 196.50
5Z512	18	Project Administration (Markup of Invoiced Billing Cycle)	10%			\$ 805.44
<b>Estimated Total Cost of Services</b>						<b>\$ 8,859.84</b>

**CONSTRUCTION MATERIALS TESTING UNIT RATES**  
**Border Colonia Access Program Project Round 2**  
**Morning Sun Subdivision, Hidalgo County, Texas**

Internal Codes		Description	Unit Fees		Estimated Quantity	Estimated Cost
5VRSF	1	Moisture/Density Relationship Proctor (ASTM/AASHTO)	\$ 194.75	ea.	2	\$ 389.50
5VRBG	2	Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$ 70.75	ea.	2	\$ 141.50
5WKR8	3	Sieve Analysis -200	\$ 47.75	ea.	1	\$ 47.75
5QT00	4	Technician Time - Sampling	\$ 41.60	hr.	1	\$ 41.60
5QOMO	5	Nuclear Field Density Tests	\$ 17.75	ea.	4	\$ 71.00
5QT05	6	Technician Time - Density Testing	\$ 41.60	hr.	1.25	\$ 52.00
5RT01	7	Vehicle Travel Charge	\$ 20.75	trip	3	\$ 62.25
5Q401	8	Asphaltic Concrete Laydown Observation	\$ 49.50	hr.	0.5	\$ 24.75
5UIBMH	9	Extraction, Gradation, Bitumen Content and Laboratory Density of Asphaltic Concrete	\$ 239.50	ea.	1	\$ 239.50
5UBSO	10	Maximum Theoretical Specific Gravity of Asphalt	\$ 98.25	ea.	1	\$ 98.25
5Z512	11	Project Administration (Markup of Invoiced Billing Cycle)	10%			\$ 116.81
<b>Estimated Total Cost of Services</b>						<b>\$ 1,284.91</b>

**CONSTRUCTION MATERIALS TESTING UNIT RATES**  
**Border Colonia Access Program Project Round 2**  
**Pentecostal Subdivision, Hidalgo County, Texas**

Internal Codes		Description	Unit Fees		Estimated Quantity	Estimated Cost
5VRSF	1	Moisture/Density Relationship Proctor (ASTM/AASHTO)	\$ 194.75	ea.	2	\$ 389.50
5VRBG	2	Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$ 70.75	ea.	2	\$ 141.50
5WKR8	3	Sieve Analysis -200	\$ 47.75	ea.	2	\$ 95.50
5QT00	4	Technician Time - Sampling	\$ 41.60	hr.	1	\$ 41.60
5QOMO	5	Nuclear Field Density Tests	\$ 17.75	ea.	4	\$ 71.00
5QT05	6	Technician Time - Density Testing	\$ 41.60	hr.	2.25	\$ 93.60
5QFXE	7	Concrete Compressive Strength Tests	\$ 13.00	ea.	5	\$ 65.00
5QT06	8	Technician Time - Concrete Testing	\$ 41.60	hr.	1	\$ 41.60
5QBT0	9	Air Content for Concrete	\$ 24.25	ea.	1	\$ 24.25
5Q055	10	Technician Time - Pick-Up Specimen( s)	\$ 41.60	hr.	1	\$ 41.60
5RT01	11	Vehicle Travel Charge	\$ 20.75	trip	5	\$ 103.75
5Z512	12	Project Administration (Markup of Invoiced Billing Cycle)	10%			\$ 110.89
<b>Estimated Total Cost of Services</b>						<b>\$ 1,219.79</b>

**CONSTRUCTION MATERIALS TESTING UNIT RATES**  
**Border Colonia Access Program Project Round 2**  
**Southside Village, Hidalgo County, Texas**

Internal Codes		Description	Unit Fees		Estimated Quantity	Estimated Cost
5VRSF	1	Moisture/Density Relationship Proctor (ASTM/AASHTO)	\$ 194.75	ea.	2	\$ 389.50
5VRBG	2	Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$ 70.75	ea.	2	\$ 141.50
5WKR8	3	Sieve Analysis -200	\$ 47.75	ea.	2	\$ 95.50
5QT00	4	Technician Time -- Sampling	\$ 41.60	hr.	1.5	\$ 62.40
5QOMO	5	Nuclear Field Density Tests	\$ 17.75	ea.	6	\$ 106.50
5QT05	6	Technician Time -- Density Testing	\$ 41.60	hr.	4	\$ 166.40
5QFXE	7	Concrete Compressive Strength Tests	\$ 13.00	ea.	10	\$ 130.00
5QT06	8	Technician Time - Concrete Testing	\$ 41.60	hr.	2	\$ 83.20
5QBT0	9	Air Content for Concrete	\$ 24.25	ea.	2	\$ 48.50
5Q055	10	Technician Time - Pick-Up Specimen( s)	\$ 41.60	hr.	2	\$ 83.20
5RT01	11	Vehicle Travel Charge	\$ 20.75	trip	6	\$ 124.50
5Q401	12	Asphaltic Concrete Laydown Observation	\$ 49.50	hr.	1	\$ 49.50
5UIBMH	13	Extraction, Gradation, Bitumen Content and Laboratory Density of Asphaltic Concrete	\$ 239.50	ea.	1	\$ 239.50
5UBSO	14	Maximum Theoretical Specific Gravity of Asphalt	\$ 98.25	ea.	1	\$ 98.25
5Z512	15	Project Administration (Markup of Invoiced Billing Cycle)	10%			\$ 181.85
<b>Estimated Total Cost of Services</b>						<b>\$ 2,000.30</b>