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## R. Gutierrez Engineering Corporation

February 26, 2010

Hector "Tito" Palacios  
County Commissioner  
Hidalgo County Precinct No. 2  
301 E. State Street  
Pharr, TX 78577

RE: Work Authorization No. 5 – Topo & Boundary Surveying for Eldora Road Improvements  
Project No. ENG09.022E

Dear Commissioner Palacios:

Enclosed are two original signature copies of a proposed Work Authorization No. 5 of the 2009 Road & Bridge Contract. This work authorization is for professional services associated with the topographic surveying and boundary surveying services to be provided to the county for the development of the Eldora Road Project. The proposed project limits for the widening and reconstruction of Eldora Road are from Cesar Chavez Road, west to Retama Street, a distance of approximately 0.5 miles.

If this Work Authorization No. 5 meets your approval, please place it before Commissioners Court for approval and signature. Please return one original signature copy for my files. If you have any questions, please call me so that we may discuss them. You can call me at 956-782-2557 or on my mobile at 956-227-2154.

Sincerely,



Ramiro Gutierrez, P.E.  
President

encl

cc: Files

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-09-419-10-27**  
**Work Authorization Form**

**Work Authorization No. 5**

**THIS WORK AUTHORIZATION** is made pursuant to the terms and conditions of Article 1 of the Agreement made by and between the **HIDALGO COUNTY**, acting herein by and through Commissioner's Court, hereinafter called the "**Owner**," and, **R. GUTIERREZ ENGINEERING CORPORATION**, professional engineers of Pharr, Texas, hereinafter called "**Engineer**".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the **Engineer** to provide professional engineering and surveying services for Topographic Surveying & Data Collection and Boundary Surveying for use in developing a proposed pavement improvement project. The proposed project is to reconstruct and widen Eldora Road from Cesar Chavez Road, west to Retama Street, a distance of approximately 0.5 miles. The work also includes preparing right-of-way parcels for the acquisition of the necessary right-of-way to accomplish the proposed improvements to the road.

The scope of services to be provided by the **Owner** is identified in **Attachment 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 **Attachment 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 included in **Attachment D – Proposed Fee**. The actual amount payable for services under this Work Authorization will be in accordance with Article 6.

**PART 3. PAYMENT**

Payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with Article 9.

**PART 4. FUNDING**

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

Account No. 0-1202-431-00-122-006-0-711

Requisition No. \_\_\_\_\_ (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 shall terminate upon completion of the scope of services of the work as provided in Article 4.

**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

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

**PART 7. ACCEPTANCE AND ACKNOWLEDGEMENT**

This Work Authorization is hereby accepted and acknowledged as indicated below and effective as of \_\_\_ day of \_\_\_\_\_, 2010.

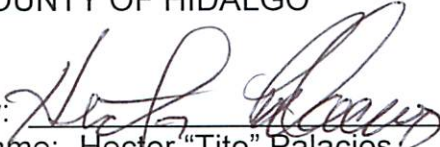
ENGINEER:

R. Gutierrez Engineering Corporation

By:   
Name: Ramiro Gutierrez, P.E.  
Title: President

OWNER:

COUNTY OF HIDALGO

By:   
Name: Hector "Tito" Palacios  
Title: Commissioner Pct. No. 2

By: \_\_\_\_\_  
Name: Rene A. Ramirez  
Title: County Judge

**LIST OF ATTACHMENTS**

- ATTACHMENT A – Services to be Provided by the Owner
- ATTACHMENT B – Services to be Provided by the Engineer
- ATTACHMENT C – Work Schedule
- ATTACHMENT D – Proposed Fee

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-09-419-10-27**

**Work Authorization No. 5**

**ATTACHMENT A**  
**Services to be Provided by the Owner**

The following provides an outline of the services to be provided by the **Owner** in the development of the **Project**.

**General**

The **Owner** will provide to the **Engineer** the following:

- (1) Payment for work performed by the **Engineer** and accepted by the **Owner** in accordance with Article 6 and Article 9 of this Agreement.
- (2) Assistance to the **Engineer**, as necessary, to obtain the required data and information from other local, regional, **State** and Federal agencies that the **Engineer** cannot easily obtain.
- (3) Provide any available relevant data the **Owner** may have on file concerning the project.
- (4) Provide timely review and decisions in response to the **Engineer's** request for information and/or required submittals and deliverables.
- (5) Attend and participate in progress meetings as required and as coordinated and conducted by the **Engineer**.
- (6) Assist **Engineer** with obtaining permission to enter on properties for the purpose of surveying for the project.

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-09-419-10-27**

**Work Authorization No. 5**  
**ATTACHMENT B**  
**Services to be Provided by the Engineer**

The following provides an outline of the services to be provided by the **Engineer** in the development of the **Project**.

The scope of work will consist of surveying & data collection and boundary surveying for use in developing a proposed roadway improvement project. The proposed project is to reconstruct and widen Eldora Road from Cesar Chavez Road, west to Retama Street, a distance of approximately 0.5 miles. Also included is the preparation of right-of-way parcels for use in the acquisition of the necessary right-of-way to accomplish the proposed road improvements.

The project is divided into two (2) phases: 1) Surveying and Data Collection, and; 2) Boundary Surveying Services.

**1) Topographic Surveying & Data Collection Services.** The Engineer will compile cross-sections, at approximately 100-foot intervals, of approximately 0.5 miles of existing terrain within the limits of the proposed roadway improvements. Topographic information, of items that are above ground and visible, within the proposed project right-of-way will be obtained. When right-of-entry is obtained, then the topographic survey will be extended approximately 10-feet outside the proposed right-of-way boundary. If requested, additional topographic survey data will be obtained of items that may be discovered during the design of the proposed improvements.

The Engineer will establish vertical and horizontal control by setting a benchmark (BM) at each end of the project and tying it to a permanent BM monument with a known elevation. The BM's are to be set in the vicinity of the Eldora Road and Cesar Chavez Road intersection as well as the Retama Street and Eldora Road intersection. The BM will be set within the public right-of-way in a location to suit field conditions, using Global Positioning System (GPS) survey, and in a location that is not likely to be disturbed by the proposed construction.

**2) Boundary Surveying Services.** The Engineer, utilizing the services of a Registered Public Land Surveyor, will develop a boundary survey for the Owner to use in acquiring rights to the property. The surveyor will utilize ownership information obtained from an independent contractor or provided by the Owner in developing the boundary survey. The surveyor will perform field surveying to establish the existing boundary lines and easement boundaries. The surveyor will prepare field notes and

parcel sketches, signed and sealed by a Registered Professional Land Surveyor, for the property surveyed. The surveyor will perform any necessary revisions to the boundary survey, field notes and parcel sketches as may be required. The surveyor will also develop a right-of-way map of the proposed roadway improvements.

**Miscellaneous.** Hidalgo County will assist the engineer in obtaining the right-of-entry from the adjacent property owners.

**HIDALGO COUNTY**  
**Professional Engineering Services**  
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**ATTACHMENT C**  
**Work Schedule**

The schedule for the work in this Work Authorization shall commence on the date of execution of this Work Authorization and continue for:

(1) a period which may reasonably be required for performing the topographic and boundary surveying services called for as described in Attachment B of this Work Authorization including any extra work and any required additions thereto; or

(2) a period extending 12 months after the completion of the services called for as described in Attachment B of this Work Authorization.

The final acceptance by the Owner of the services called for as described in Attachment B of this Work Authorization shall serve as evidence of completion of the work on this Work Authorization.

Proposed Fee

TASK	COST
<b>Topographic and Boundary Survey Services Fee</b>	
TOPOGRAPHIC SURVEY	\$4,800
BOUNDARY SURVEY (Est. 15 Parcels @ \$1800 per Parcel)	\$27,000
RIGHT-OF-WAY MAP (0.5 MILES)	\$1,800
<b>TOTAL (Suveying Services Fee)</b>	<b>\$33,600</b>

**Note: Boundary Surveying will be billed for the actual amount of  
Parcels surveyed at the rate of \$1,800 per parcel.**