

# EXHIBIT E

## -Work Authorization

HIDALGO COUNTY  
Professional Engineering Services  
Agreement# C-18-197-07-31

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, Alpha Infrastructure Engineering PLLC professional engineers of Weslaco Texas, hereinafter called "**Engineer**".

### PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the "Engineer" to provide\_ General Management, Coordination, Road Infrastructure Assessment and Report Compilation Phase 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 \_\$79,430.00\_. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D1"**.

### PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Article 5 of the Agreement.

### PART 4. FUNDING

This Work Authorization No.      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.*

**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*, as to content and detail of this **Work Authorization No. \_1\_**.

**HIDALGO COUNTY PRECINCT NO. 1:**

By: \_\_\_\_\_  
Hon. David Fuentes, Commissioner, Pct. 1

**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 \_\_\_\_\_, 201\_\_\_\_.

**THE ENGINEER:**  
**Alpha Infrastructure Engineering PLLC**

**THE OWNER:**  
**HIDALGO COUNTY**

By: \_\_\_\_\_  
Juan M. Gamez, PE / President

By: \_\_\_\_\_  
Ramon Garcia, County Judge

**ATTEST:**

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

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

Attachments:

- Exhibit A
- Exhibit B
- Exhibit C
- Exhibit D1

**EXHIBIT A**  
**-SCOPE OF 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 Projects (as defined and more particularly identified in Exhibit "A" attached to this Agreement).

**General:**

The Owner will provide to the Engineer the following:

- 1) Provide the authorization to proceed with services through coordination with the project consulting and design Engineer.
- 2) Payment for work performed by the Engineer and accepted by the Owner in accordance with Article 3 of this Agreement.
- 3) Assistance to the Engineer, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies the Engineer 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 Engineer's request for information and/or required submittals and deliverables, in order for the Engineer 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 Engineer.
- 7) Provide the authorization to proceed with services on project by project basis through consulting design and construction Engineer.

# **EXHIBIT B**

## **Scope of Services to be provided by the Engineer**

The following is a listing of the Scope of Services to be provided by the Engineer under this Contract:

### **GENERAL MANAGEMENT / COORDINATION**

1. Meet w/ Owner to establish Project Scope and Design Criteria.
2. Meet w/ Delta Lake Irrigation District to establish Scope of Work on Canal and Drain Ditch.
3. Meet w/ Owner's Staff on all project related items.
4. Perform Quality Control & Quality Assurance (QCQA).

### **Road Infrastructure Damage Assessment**

1. Identify Damaged Infrastructure
  - Road Condition
  - Road Drainage Condition
2. Classify Rd Damges
3. Prioritize Damages
4. Reinstatement Recommendations

### **Assessment Report**

1. Compile Report and Recommendations to include
  - Improvement Recommendations
  - Maps
  - Cost Estimates

<b>Engineering Schedule Summary</b>	Duration	<b>2018</b>				
		August	September	October	November	December
<b>Management / Coordination</b>	15 days					
<b>Damage Assesment</b>	45 days					
<b>Assessment Report</b>	15 days					

**Total Days to Perform Project**                      **75**

**Exhibit D-1**

-Estimated Project Fee Schedule

<b>Task and Description</b>	<b>Principal</b>	<b>Project Manager</b>	<b>Senior Engineer</b>	<b>R.P.L.S</b>	<b>Senior Engineering Technician</b>	<b>CAD Technician</b>	<b>Survey Crew</b>	<b>Clerical</b>	<b>Total</b>
<b>Hourly Rate</b>	\$ 240.00	\$ 160.00	\$ 140.00	\$ 150.00	\$ 70.00	\$ 68.00	\$ 150.00	\$ 40.00	
<b>A. General Management / Coordination</b>									
	10	20	30	0	30	30		25	145
sub total	\$ 2,400.00	\$ 3,200.00	\$ 4,200.00	\$ -	\$ 2,100.00	\$ 2,040.00	\$ -	\$ 1,000.00	\$ 14,940.00
<b>B. Road Infrastructure Damage Assessment</b>									
	30	40	45		120	120	60	60	475
sub total	\$ 7,200.00	\$ 6,400.00	\$ 6,300.00	\$ -	\$ 8,400.00	\$ 8,160.00	\$ 9,000.00	\$ 2,400.00	\$ 47,860.00
<b>C. Assessment Report</b>									
	15	15	15		35	60		50	190
sub total	\$ 3,600.00	\$ 2,400.00	\$ 2,100.00	\$ -	\$ 2,450.00	\$ 4,080.00	\$ -	\$ 2,000.00	\$ 16,630.00
									0
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

<b>Total Professional Man Hour Estimate</b>	<b>55</b>	<b>75</b>	<b>90</b>	<b>0</b>	<b>185</b>	<b>210</b>	<b>60</b>	<b>135</b>	<b>810</b>
<b>Total Estimated Professional Services Fee</b>	<b>\$ 13,200.00</b>	<b>\$ 12,000.00</b>	<b>\$ 12,600.00</b>	<b>\$ -</b>	<b>\$ 12,950.00</b>	<b>\$ 14,280.00</b>	<b>\$ 9,000.00</b>	<b>\$ 5,400.00</b>	<b>\$ 79,430.00</b>