

# EXHIBIT E

## -Work Authorization

HIDALGO COUNTY  
Professional Engineering Services  
Agreement# C-17-125-05-16

### 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, **Chanin Engineering, LLC** professional engineers of **McAllen, Texas**, hereinafter called "**Engineer**".

#### **PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the "engineering services" to provide **Refer to Exhibit "B"**

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 **\$ 7,500**. 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 6** of the Agreement.

#### **PART 4. FUNDING**

This Work Authorization No. **1** shall be funded through funding source:

Account No. **7-1200-431-00-121-005-0-334**

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, Precinct 1

**PART 8. ACCEPTANCE AND APPROVAL**

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on **05/16/17** as indicated below and effective as of **16<sup>th</sup>** day of **May, 2017**.

**THE ENGINEER:  
CHANIN ENGINEERING, LLC**

**THE OWNER:  
HIDALGO COUNTY**

By: \_\_\_\_\_  
Miguel Chanin, 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

# 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

#### **Project Understanding:**

We understand the facility is an existing metal building structure at the Precinct 1 Maintenance Site.

We further understand the structure is approximately 70 feet by 100 feet in size.

We also understand the facility is currently not in use.

We understand the structural system is a pre-engineered metal building with a concrete foundation.

We also understand the current building materials include some CMU walls.

We understand the exterior walls and roof are framed with steel purlins and metal panels.

We further understand the client has a desire to re-occupy the building for office use.

We understand the client has concerns with the existing structural integrity of the building.

We understand our scope at this time will be to perform an analysis and assessment of the existing structural conditions and provide a professional opinion on the feasibility of retrofitting the existing structure for re-use. Our scope will include the following:

#### **Phase 1- Kickoff and Mobilization**

- 1) Initial site visit to assess existing condition

#### **Phase 2 – Analysis**

- 1) Structural Site Survey to obtain measurements and generate a set of structural as-built conditions.
- 2) AutoCAD generation of as-built conditions structural modeling and analysis to current building code.

#### **Phase 3 – Report Generation**

- 1) Generate written report with findings
- 2) Meet with client to discuss findings and possible options

#### **Phase 4 – Deliverables**

- 1) Written report
- 2) AutoCAD file with as-built drawings

## **EXHIBIT C**

### Work Schedule

#### **Phase 1- Kickoff and Mobilization**

- 1) Initial site visit to assess existing condition

#### **Phase 2 – Analysis**

- 3) Structural Site Survey to obtain measurements and generate a set of structural as-built conditions.
- 4) AutoCAD generation of as-built conditions structural modeling and analysis to current building code.

#### **Phase 3 – Report Generation**

- 3) Generate written report with findings
- 4) Meet with client to discuss findings and possible options

#### **Phase 4 – Deliverables**

- 3) Written report
- 4) AutoCAD file with as-built drawings

**EXHIBIT D**

Fee Breakdown/ Engineer's Contract Rates

**Phase 1- Kickoff and Mobilization**

- 1) Initial site visit to assess existing condition

**Phase 2 – Analysis**

- 1. Structural Site Survey to obtain measurements and generate a set of structural as-built conditions.

Classification	Hourly Rate	Hours	Total
T-3 Technician III	\$85.00 x	24	= \$2,040
C-3 CAD III	\$65.00 x	24	= <u>\$1,560</u>
			<b>\$3,600</b>

- 2. AutoCAD generation of as-built conditions structural modeling and analysis to current building code.

Classification	Hourly Rate	Hours	Total
C-3 CAD III	\$65.00 x	14	= \$910
E-1 Engineer in Training	\$75.00 x	20	= <u>\$1,500</u>
			<b>\$2,410</b>

**Phase 2 Total** **\$6,010**

**Phase 3 – Report Generation**

- 1. Generate written report with findings

Classification	Hourly Rate	Hours	Total
E-1 Engineer in Training	\$75.00 x	16	= <b>\$1200</b>

- 2. Meet with client to discuss findings and possible options

Classification	Hourly Rate	Hours	Total
E-5 Principal Engineer	\$145.00 x	2	= <b>\$290</b>

**Phase 3 Total** **\$1,490**

**Phase 4 – Deliverables (to be submitted at client meeting on phase III)**

- 5) Written report
- 6) AutoCAD file with as-built drawings

**Total Professional Engineering Fee:** **\$7,500**

<u>Engineering:</u>	<u>Hourly rate</u>
E-1 Engineer In Training 1	\$ 75.00
E-2 Engineer In Training 2	\$ 85.00
E-3 Project Engineer 1 *	\$125.00
E-4 Project Engineer 2 *	\$135.00
E-5 Principal Engineer *	\$145.00

Technicians:

T-1 Technician I	\$ 65.00
T-2 Technician II	\$ 75.00
T-3 Technician III	\$ 85.00

Computer Aided Drafting:

C-1 CAD I	\$ 45.00
C-2 CAD II	\$ 55.00
C-3 CAD III	\$ 65.00

Administrative:

A-1 Clerical	\$ 30.00
A-2 Accounts Payable/Billable	\$ 35.00
A-3 Office Manager/Executive Assistant	\$ 45.00

\* Licensed professional engineer, unless noted otherwise.

The Basic Service fee shall be billed by monthly invoice based on project progress.

**ENGINEERING AND TECHNICAL CLASSIFICATIONS**

**Engineering:**

- |     |                          |  |
|-----|--------------------------|--|
| E-1 | Engineer in Training 1 - | Graduate Engineer with 0-3 years experience, work under close supervision.   |
| E-2 | Engineer in Training 2 - | Graduate Engineer with 2-plus years experience, capable of carrying out assignments with minimum supervision, supervise drafting and layout work.  |
| E-3 | Project Engineer 1 -     | <u>Registered</u> Engineer with 4-plus years experience, can handle moderately complex tasks with minimal supervision, supervise the work of other engineers and drafters.               |
| E-4 | Project Engineer 2 -     | <u>Registered</u> Engineer with <u>6-plus</u> years experience, can handle complex tasks with only general supervision, coordinates and supervises work of other engineers and drafters. |
| E-5 | Principal Engineer -     | <u>Registered Engineer</u> and possibly company officer, completely capable of handling and supervising all aspects of design and drawing production.                                    |

**Technicians:**

- |     |                  |   |
|-----|------------------|---|
| T-1 | Technician I -   | 5-plus years experience and/or education, capable of handling all drafting functions and simple engineering design and calculation tasks with some supervision.                             |
| T-2 | Technician II -  | 7-plus years experience and/or education, capable of handling all drafting functions with minimal supervision, can supervise the work of drafters.  |
| T-3 | Technician III - | 10-plus years experience and/or education, capable of handling all drafting add many engineering related tasks with little supervision, can supervise the work of drafters and technicians. |

**Computer Aided Drafting:**

- |     |                      |   |
|-----|----------------------|---|
| C-1 | Junior Drafter I -   | Capable of drawing tasks and tracing-type work, under close supervision of others.  |
| C-2 | Drafter II -         | 2-plus years experience and/or education, handles many drafting tasks under supervision.  |
| C-3 | Senior Drafter III - | 3-plus years experience and/or education, handles most drafting tasks while exercising judgment on layout and planning, receives minimal supervision. |

**REIMBURSABLE EXPENSES**

Reimbursable expenses are in addition to compensation for Basic and any Additional Services. These expenses include actual expenditures incurred in the interest of the Project for the expenses listed below:

- a) Expenses due to any asbestos remediation necessary or incurred from destructive testing performed during the Project.
- b) Expense of reproduction, postage, delivery, handling of drawings, photos, specifications, and other documentation.
- c) Expense of overtime work requiring higher than regular rates, if authorized in advance by the Owner will be charged at 1.5 times of hourly rates listed above.
- d) Expense of materials for structural sketches, models, mock-ups, binders, exhibit boards and other miscellaneous exhibits requested by the client.
- e) Expense of additional insurance coverage or limits including Professional Liability Insurance, requested by the Owner in excess of that normally carried by Chanin Engineering, LLC.
- f) Reimbursable expenses will be billed at actual cost X 1.1.