

November 17, 2016

Commissioner Joseph Palacios  
**Attn: Maria Lucio, Executive Assistant**  
Hidalgo County Precinct No. 4  
2812 South Business Highway 281  
Edinburg, Texas 78539

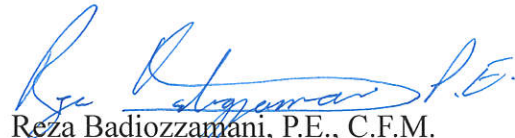
**RE: On-Call Services for “Road and Bridge, C.I.P. and Other Projects in General”  
(C-16-329-09-06)  
Work Authorization No. 2 ~ Project Specific Emergency Response Engineering  
Analysis**

Dear Ms. Lucio,

Attached for your review and approval is Work Authorization No. 2 to provide the Project Specific Emergency Response Engineering Analysis for Drainage, Caliche Improvements and Full Reconstruction under our On-Call Services for “Road and Bridge, C.I.P and Other Projects in General” Contract. This submittal is made to you in duplicate form for your further coordination with Commissioner Palacios.

We appreciate the opportunity to provide our professional services and look forward to working with you. Should you have any questions, please feel free to give me a call at (956) 585-3773.

Sincerely,

  
Reza Badiozzamani, P.E., C.F.M.  
President/Project Manager

Attachments: Work Authorization No. 2

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Agreement #C-16-329-09-06**

**WORK AUTHORIZATION NO. 2**

**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, **BZZ ENGINEERING LLC**, professional engineers of Mission, Texas, hereinafter called "**Engineer**".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the "engineering services" to assist with the Project Specific Emergency Response Engineering Analysis.

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 **\$29,904.96**. 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 Articles 5 and 6 of the Agreement.

**PART 4. FUNDING**

This Work Authorization No. 2 shall be funded through funding source:

Account No. 6-1200-431-00-124-007-Q334

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.4, Commissioner, Joseph Palacios, as to content and detail of this **Work Authorization No. 2**.

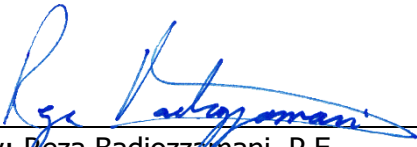
**HIDALGO COUNTY  
COMMISSIONER PRECINCT No. 4:**

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

**PART 8. ACCEPTANCE AND APPROVAL**

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on \_\_\_\_\_ (cc approval date) \_\_\_\_\_ as indicated below and effective as of \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

**THE ENGINEER:  
B2Z ENGINEERING**

  
By: Reza Badiozamani, P.E.

**THE OWNER:  
HIDALGO COUNTY**

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

**ATTEST:**

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

# **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 the Project.

The **OWNER** will provide to the **ENGINEER** the following:

- (1) Authorization to the **ENGINEER** to begin work in accordance with Section 3 of this Agreement.
- (2) Payment for work performed by the **ENGINEER** and accepted by the **OWNER** in accordance with Section 6 of the Agreement.
- (3) 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.
- (4) Provide any available relevant data the **OWNER** may have on file concerning the project.
- (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 Attachment "C" of this Agreement.
- (6) Attend and participate in progress meetings as required and as coordinated and conducted by the **ENGINEER**.
- (7) Assist the **ENGINEER** in the preparation of the project mailing list; provide representation, a site and stenographer for all public meetings; additionally:
  - Public Meetings*
  - (a) Approve agenda and all exhibits prior to public meeting.
  - (b) Approve date and location of the meeting.
  - (c) Review/approve Public Meeting Report.
- (8) Attend the Preliminary Concept Conference coordinated and conducted by the **ENGINEER** and more particularly identified in Attachment "B" of the Agreement.
- (9) Assist the **ENGINEER** as required in the coordination with the USACE and the Federal Emergency Management Agency (FEMA) and any other coordinating agency or entity.
- (10) Review and approve the Project design criteria.
- (11) Review and approve change orders as required and prepared by the **ENGINEER**.

# EXHIBIT B

## Scope of Services to be provided by the Engineer

### SECTION I - PROJECT DESCRIPTION

The services designated herein as “Services provided by the ENGINEER” shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: HIDALGO COUNTY

PROJECT/DESCRIPTION: Emergency Response Engineering Analysis

ENGINEER shall mean B2Z Engineering

COUNTY shall mean Hidalgo County

# EXHIBIT B

## Scope of Services to be provided by the Engineer

### SECTION 2 – FEASIBILITY STUDIES & ANALYSIS (Function Code 102)

#### Preliminary Design Values

*The ENGINEER will work with the COUNTY to establish basic design concepts, project controls and general scope of Projects. The ENGINEER will ensure compliance as per federal rules and regulations.*

#### Uncontrolled Mapping (w/Contours & GIS Info)

*The ENGINEER will coordinate with the COUNTY for the below referenced needed mapping efforts (5 maps per project) for the Emergency Response Plan Of Action for the three categories of projects: Full Reconstruction, Caliche Improvements & Drainage Improvements*

1. *Overall Project Exhibits highlighting impacted areas overlayed on Aerial Imagery and identifying:*
  - a. *Estimated Cost of Project*
  - b. *Number of Homes impacted (Drainage Projects)*
  - c. *Total population impacted (Drainage Projects)*
  - d. *Total property valuation (Drainage Projects)*
  - e. *Length of Project (Full Reconstruction Projects)*
  - f. *Location Map Inset*
  - g. *Floodplain Inset*
  - h. *Digital Elevation Map Inset*
2. *Drainage Area Map identifying project location on Aerial Imagery with respect to:*
  - a. *Existing and/or proposed outfall locations*
  - b. *Topographic Contours*
  - c. *Drainage Patterns*
  - d. *Ponding Areas*
  - e. *Proposed Drainage Improvements*
3. *Project Location Map identifying:*
  - a. *Existing Street/Highway Network*
  - b. *City Limits*
  - c. *Hidalgo County Limits*
4. *Floodplain & Outfall Map identifying project location on Aerial Imagery with respect to:*
  - a. *FEMA 100 year floodplain*
  - b. *FEMA 500 year floodplain*
  - c. *HCDD #1 Outfall Network*
  - d. *Existing Street/Highway Network*
5. *Digital Elevation Map identifying project location on Aerial Imagery with respect to:*
  - a. *Color Coded Existing Terrain Elevations*
  - b. *5 foot Contours*
  - c. *Existing Street/Highway Network*

#### Preliminary ROW Requirements

*The ENGINEER will research and identify affected property owners on the Projects utilizing the latest appraisal district file information from Hidalgo County Appraisal District and information from Carson Maps.*


#### Meetings and Coordination with Hidalgo County Pct. #4

*The ENGINEER shall provide coordination services and shall assist in meetings with affected land owners and COUNTY representatives. The ENGINEER shall coordinate with the COUNTY's staff on all Project related items.*

**EXHIBIT "C"**  
**PROJECT SCHEDULE**  
**On-Call Services for "Road and Bridge, C.I.P. and Other Projects in General"**

**WA #2 - EMERGENCY RESPONSE ENGINEERING ANALYSIS**

TASK AND DESCRIPTION	2016											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
<b>PROJECT SPECIFIC EMERGENCY RESPONSE ENGINEERING ANALYSIS</b>												
Drainage (Alamo Brisas, Brenda Estates, Owassa Acres, Rincon Del Valle #3, Rincon Del Valle #4, Tejano Estates)												
Caliche Improvements (Brushline Rd, Cactus Rd, Curve Rd, Mile 20, Mile 22 1/2, Moises Flores Rd )												
Full Reconstruction (Bandera St, Corin St, Fresno Dr, Grove St, Penelope Dr, 83rd St.)												

 B2Z Engineering

