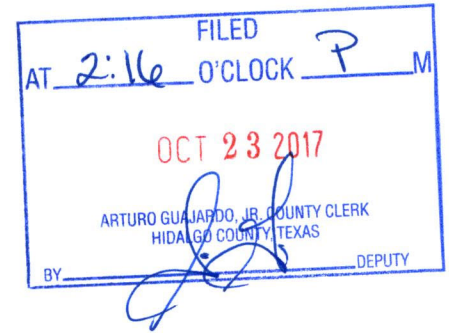


**HIDALGO COUNTY
Professional Engineering Services
Agreement #C-17-229-08-22**

WORK AUTHORIZATION NO. 1



THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 4 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 provide Engineering Design Values for Various Roadways (Industrial Blvd. and Valmex Dr.).

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 **\$19,998.90**. 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 4 of the Agreement.

PART 4. FUNDING

This Work Authorization No.1 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.2, Commissioner, Eduardo Cantu, as to content and detail of this **Work Authorization No. 1.**

**HIDALGO COUNTY
COMMISSIONER PRECINCT No. 2:**

BY: _____

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:
B2Z ENGINEERING**

**THE OWNER:
HIDALGO COUNTY**


By: Nicholus Muñoz, RPC ~ Vice President


By: Ramon Garcia, County Judge

ATTEST:


By: Arturo Guajardo, County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 10/17/17 *gms*

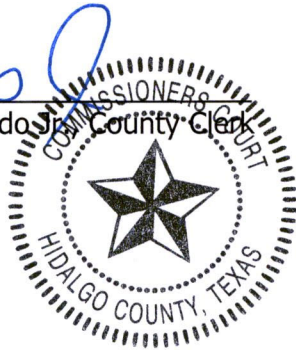


EXHIBIT A

Scope of Services to be provided by the 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 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 4 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

SECTION 1 - 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: Eng. Design Values for Various Rdwys (Industrial Blvd. and Valmex Rd)

ENGINEER shall mean B2Z Engineering.

STATE shall mean Texas Department of Transportation.

COUNTY shall mean Hidalgo County.

SECTION 2 – PRELIMINARY DESIGN VALUES

Preliminary Design Values

The ENGINEER will work with the Owner to establish basic design concepts, project controls and general scope of Projects.

Preliminary Traffic Evaluations & Trends

The ENGINEER will investigate existing traffic models and trends for the proposed Projects and adjacent roadways tying into the proposed Projects.

SECTION 3 - ROADWAY DESIGN CONTROLS

Engineering Design Values for Roadways

- a. *Preliminary investigation shall be made to determine the approximate section, type and properties to be used for the pavement structure based on Client needs and constraints provided by Client.*
- b. *Engineering design values shall be established based on current TxDOT design manuals and/or USACE EM manuals dependent on the needs of the project and Client requests.*
- c. *Design values shall be based on approximated traffic data for design (assumptions shall be provided).*
- d. *Basic design criteria shall be provided.*
- e. *Cost data utilized and summary of approximate structure costs shall be provided.*
- f. *Material properties and recommendations shall be provided.*

ADDITIONAL RESPONSIBILITIES & INFORMATION

Office Location

The ENGINEER will perform the services to be provided under this agreement out of their office listed below:

The work effort will be managed out of the Mission
(City)

office located at 900 S Stewart Road, Ste 4
(Address)

Mission, Texas
(City) (State)

**EXHIBIT D
FEE PROPOSAL**



**Engineering Design Values for Various Roadways
1). Industrial Blvd. (15th St to US 281) and 2). Valmex Rd. (SH 336 to 1691' West of Valmex)
Hidalgo County Precinct 2
Work Authorization No. 1**

TASKS	MANHOURS						Total
	Senior Project Manager	Senior Geotechnical Engineer	Design Engineer	CADD Tech	Admin/ Clerical		
1). Industrial Blvd. Project							
1			4				4
2			2				2
3			4	24	2		30
4		2	20				22
5		2	4				6
6	1		2				4
7	1	4	14	4	4		27
8	2	1	1				4
Subtotal	4	10	51	28	6		99
2). Valmex Rd. Project							
1			4				4
2			2				2
3			4	16	2		22
4		2	12				14
5		2	4				6
6	1	1	2				4
7	1	4	10	4	4		23
8	2	1	2				5
Subtotal	4	10	40	20	6		80
Labor Hours	8	20	91	48	12		179
Hourly Base Rates	\$ 68.00	\$ 57.00	\$ 38.00	\$ 21.00	\$ 20.00		
Contract Rate 2017	\$ 211.48	\$ 177.27	\$ 118.18	\$ 65.31	\$ 62.20		
Total Labor Costs	\$ 1,691.84	\$ 3,545.40	\$ 10,754.38	\$ 3,134.88	\$ 746.40		\$ 19,872.90

\$	10,910.68
\$	9,088.22

Subtotal Cost (By Project)
 1). Industrial Blvd. Project - Subtotal
 2). Valmex Rd. Project - Subtotal

Direct Expenses
 Mileage: \$0.56/mile
 1). Industrial Blvd. Project - Mileage
 2). Valmex Rd. Project - Mileage

Total Direct Expenses \$ 126.00

\$ 19,998.90

B2Z Engineering Total Cost

AI-62099**Purchasing Department 22. C. 1.****CC - REGULAR****Prct. 2****Meeting Date:** 10/17/2017**Submitted For:** Eddie Cantu, COMM. PCT. #2 **Submitted By:** Erika Zamora, COMM. PCT. #2**Department:** COMM. PCT. #2**Information****CAPTION**

Requesting approval of Work Authorization No. 1 (with an estimated cost of \$19,998.90) as submitted by project engineer, B2Z Engineering LLC, to provide engineering design values for Pct 2 Industrial Blvd & Val Mex Dr Road Projects, Contract #C-17-229-08-22.

BACKGROUND**Fiscal Impact****CALENDAR YEAR:** 2017**ACCT. #:** 7-1200-431-00-122-142-0-841**FUNDS AVAILABLE Y/N?:** Y**MATCHING FUNDS Y/N?:** N**BUDGETARY IMPACT:**

Funding available as of 10/13/17.

CALENDAR YEAR: 2017**ACCT. #:** 7-1200-431-00-122-143-0-721/841**FUNDS AVAILABLE Y/N?:** Y/Pending**MATCHING FUNDS Y/N?:** N**BUDGETARY IMPACT:**

Funding pending approval of AI#62091 CC 10/17/17.

AttachmentsWork Auth#1**Form Review**

Inbox	Reviewed By	Date
Purchasing - Internal	Marty Salazar	10/13/2017 12:59 PM
Budget & Management	Veronica Ortiz	10/13/2017 01:23 PM
Final Approval	Monica Salinas	10/13/2017 05:19 PM
Form Started By: Erika Zamora		Started On: 10/13/2017 11:24 AM
Final Approval Date: 10/13/2017		