

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 Jr., County Clerk

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

WA #1 - Engineering Design Values for Various Roadways

2017										
TASK AND DESCRIPTION	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Engineering Design Values for Various Roadways										
All Services - Engineering Design Values										


 B2Z Engineering



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

<i>Hidalgo County Precinct #2 Engineering Services 1). Industrial Blvd. and 2). Valmex Rd.</i>			MANHOURS					
			Senior Project Manager	Senior Geotechnical Engineer	Design Engineer	CADD Tech	Admin/ Clerical	Total
TASKS								
1). Industrial Blvd. Project								
1	Review and Evaluate Existing Design/Construction Structure			4				4
2	Evaluate Foundation Moduli (Based on NRCS Soil Survey)			2				2
3	Implement Monitoring Plan for Traffic Data (Veh. Counts & % Trucks)			4	24	2		30
4	Develop Design Values for Projects (TxDOT & USACE)		2	20				22
5	Analyze Stabilization Measures (As Needed)		2	4				6
6	Develop Material Recommendations	1	1	2				4
7	Provide Final Design Reports	1	4	14	4	4		27
8	Meetings/Coordination	2	1	1				4
	Subtotal	4	10	51	28	6		99
2). Valmex Rd. Project								
1	Review and Evaluate Existing Design/Construction Structure			4				4
2	Evaluate Foundation Moduli (Based on NRCS Soil Survey)			2				2
3	Implement Monitoring Plan for Traffic Data (Veh. Counts & % Trucks)			4	16	2		22
4	Develop Design Values for Projects (TxDOT & USACE)		2	12				14
5	Analyze Stabilization Measures (As Needed)		2	4				6
6	Develop Material Recommendations	1	1	2				4
7	Provide Final Design Reports	1	4	10	4	4		23
8	Meetings/Coordination	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

Direct Expenses

Mileage: \$0.56/mile

1). Industrial Blvd. Project - Mileage

\$ 63.00

2). Valmex Rd. Project - Mileage

\$ 63.00

Subtotal Cost (By Project)

1). Industrial Blvd. Project - Subtotal

\$ 10,910.68

2). Valmex Rd. Project - Subtotal

\$ 9,088.22

Total Direct Expenses \$ 126.00

B2Z Engineering Total Cost

\$ 19,998.90