

HIDALGO COUNTY
Agreement #C-22-0377-07-26
Work Authorization Form

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section 7 of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner’s Court**, hereinafter called the “**Owner**,” and, **B2Z Engineering LLC.**, hereinafter called “**Engineer**”.

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the Engineer to provide a PS&E for the Four-Way Stop Flashing Beacon (Cesar Chavez and Ridge Rd) Project located in Hidalgo County Precinct No. 2.

The **Engineer** is to provide the Services as required by the Agreement with Owner for Engineering Services. This includes but is not limited to the services identified in **EXHIBIT “A” – Scope of Services to be provided by the Engineer** which is attached hereto and incorporated by reference.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$17,700.84**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT “B”**.

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the On-Call Services Agreement between Owner and Engineer.

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 the scope of work provided in this 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:**

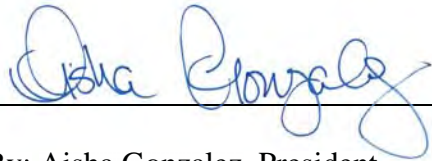
BY: _____

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 _____, 20__.

THE ENGINEER:
B2Z ENGINEERING, LLC

THE OWNER:
HIDALGO COUNTY



By: Aisha Gonzalez, President

By: Richard F. Cortez, County Judge

ATTEST:

By: Arturo Guajardo Jr., County Clerk

EXHIBIT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

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: WA#1 – Four-Way Stop Flashing Beacon Project
On-Call Contract #C-22-0377-07-26

LENGTH: N/A

HIGHWAY: N/A

LIMITS: At Intersection of Cesar Chavez and Ridge Rd

PROJECT CLASSIFICATION

(Place an "X" in only one Project Classification)

- Surface Treatment
- Overlay
- Rehabilitation Existing Road (Scarify & Reshape)
- Convert Non-Freeway to Freeway
- Widen Freeway
- Widen Non-Freeway
- New Location Toll Freeway
- New Location Non-Freeway
- Intersection (New or Reconstruct)
- Bridge Widening or Rehabilitation
- Bridge Replacement
- Drainage Upgrade
- Upgrade to Standards - Freeway
- Upgrade to Standards - Non-Freeway
- Miscellaneous Studies (Use Function Code 110 for All Tasks)

ENGINEER shall mean B2Z Engineering.

COUNTY shall mean Hidalgo County.

EXHIBIT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 2 – PRELIMINARY DESIGN VALUES
(Function Code 102)

Meetings, Coordination & Support for Project Development

The ENGINEER shall provide coordination services and shall assist in meetings and workshops with TxDOT, Hidalgo County, and all other affected parties. The ENGINEER shall serve as representative for the Owner in coordination items. The ENGINEER shall coordinate with the Owner's staff on all Project related items.

SIGNING, MARKINGS AND SIGNALIZATION
(Function Code 162)

1. Traffic Signals

Traffic Signal Design

- a. The Engineer will prepare Plans, Specifications, & Estimate (PS&E) in accordance with local/state regulations and include the following:
 - i. Existing conditions
 - ii. Proposed 4-way flashing beacon design.
 - iii. All applicable state and district standards

The ENGINEER shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of the work by the COUNTY will not relieve the ENGINEER of the responsibility for subsequent correction of any such errors or omissions or for clarification of any ambiguities.

Document and Information Exchange

Data, Plan Sheets, General Notes and/or Specifications provided to the COUNTY shall be furnished on 8GB USB flash drives. Each 8 GB flash drive shall have a file titled Table of Contents. The Table of Contents shall indicate the locations of files within the directory structure of the documentation.

General Notes and specifications shall be provided in MS Office 2007 format. Plan sheets shall be provided in Microstation DGN or GEOPAK GPK format. PDF copies of plan sheets shall also be provided.

Two copies of the documentation shall be provided to the COUNTY.

If required, the ENGINEER shall provide to the COUNTY, a CD that contains all the plan sheets for the project. The graphics tape shall be compatible with the COUNTY's computer system.

CD Tape Required (YES or NO): YES

Proposal Time

The time indicated in the proposal and the contract shall include time necessary for reviews, approval, etc.

Office Location

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

<u>Service</u>	<u>Office Location</u>
All Services	Mission Office

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 "B"
FEE PROPOSAL**

Hidalgo County Precinct 2: Four-Way Stop Flashing Beacon Project

Work Authorization #1									
WA #1 - Four-Way Stop Flashing Beacon Project (Design)		MANHOURS						Total Hours	Subtotal
		PRINCIPAL	PROJECT MANAGER	PROJECT ENGINEER	EIT	ENGINEER TECH	ADMIN/ CLERICAL		
TASKS									
ENGINEERING & DESIGN VALUES									
1	Design PS&E (Plans, Specifications, & Estimate)	3	6	18	36	42	16	\$12,894.10	
2	Coordination with Precinct 2 Staff	2	4	4	22	0	8	\$4,694.74	
SUB-TOTAL							161	\$17,588.84	
Labor Hours		5	10	22	58	42	24	161	
Hourly Base Rates		\$ 75.00	\$ 68.00	\$ 45.00	\$ 29.00	\$ 25.00	\$ 22.00		
Contract Rate FY2019		\$ 248.66	\$ 225.45	\$ 149.20	\$ 96.15	\$ 82.89	\$ 72.94		
Total Labor Costs		\$ 1,243.30	\$ 2,254.50	\$ 3,282.40	\$ 5,576.70	\$ 3,481.38	\$ 1,750.56	\$17,588.84	

Direct Expenses	Units	
Mileage (\$0.56/mile)	200	\$ 112.00
Total Direct Expenses		\$ 112.00

WA#3 - Total Cost \$ 17,700.84