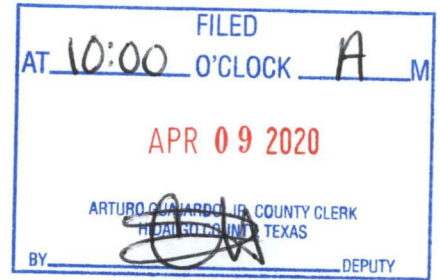


HIDALGO COUNTY
Agreement #C-20-100-03-10
Work Authorization Form



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 Traffic Signal Warrant Analysis and Permitting for the Rancho Blanco Road 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 **\$28,944.69**. 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. 0-1200431-00-122-130-0-721

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

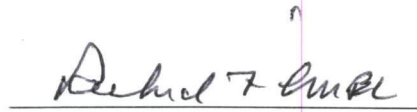
This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below and effective as of _____ day of _____, 20__.

THE ENGINEER:
B2Z ENGINEERING, LLC




By: Nicholas Muñoz
Print Name

THE OWNER:
HIDALGO COUNTY



By: Richard F. Cortez, County Judge





Arturo Guajardo Jr., County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 4/7/2028

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 – Rancho Blanco Rd
(Traffic Warrant Analysis &
TxDOT Access Permit Coordination)
On-Call Contract #C-20-100-03-10

LENGTH: N/A

HIGHWAY: Rancho Blanco Road

LIMITS: At Intersection with Jackson Road

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
- Interchange (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)

Preliminary Design Values

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

- Prepare & Coordinate TxDOT Access Permit
The Engineer will prepare and submit the access permit to TxDOT for the connection of Rancho Blanco Road to Jackson Road. The Engineer will coordinate the Permit approval through TxDOT review and execution.

Meetings, Coordination & Support for Project Development

The ENGINEER shall provide coordination services and shall assist in meetings and workshops with TxDOT, Hidalgo County, Hidalgo County Drainage District No. 1 and Hidalgo County Irrigation Districts, 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.

SECTION 9 - SIGNING, MARKINGS AND SIGNALIZATION
(Function Code 162)

5. Traffic Signals

- Traffic Signal Warrant Analysis (TSWA) Coordination
 - a. The Engineer will coordinate with the LPA as necessary to ensure the successful submittal of the TSWA.
- Traffic Data Collection
 - b. The Engineer will provide 24-hour ADT traffic data for the TSWA.
- Traffic Signal Warrant Analysis
 - c. The Engineer will prepare the TSWA in accordance with local/state regulations and include the following:
 - i. Site Visit(s) & Photographs
 - ii. Development of Traffic Exhibits
 - iii. Analyzing MUTCD Traffic Signal Warrants
 - iv. Conclusions, Recommendations, and Final Report

SECTION 14 - ADDITIONAL RESPONSIBILITIES

Meetings

Meetings will be held with the FHWA, State Officials, local governments, property owners, utility owners, railroad companies, other consulting firms, etc., as needed or required by the COUNTY. The ENGINEER shall coordinate through the COUNTY for the development of this project with any local entity having jurisdiction or interest in the project (i.e., city, county, etc).

Specifications, Special Provisions, Special Specifications

Use the State's standard specifications or previously approved special provisions and/or special specifications. If a special provision and/or special specification is developed for this project, it shall be in the State's format and incorporate references to approved State test procedures.

Project Manager/Engineer Communication

The ENGINEER shall designate one Texas Registered Professional Engineer to be responsible throughout the project for project management and all communications, including billing, with the COUNTY's Director. Any replacements to the ENGINEER's designated Project Manager/Engineer must be approved by the COUNTY.

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

Engineering documents produced for the department's engineering projects shall be signed, sealed and dated or CADD sealed in accordance with Administrative Order No. 5-89 and Administrative Circular No. 26-91.

Design Responsibilities

The ENGINEER is responsible for design errors and/or omissions that become evident before, during or after construction of the project. The ENGINEER's responsibility for all questions arising from design errors and/or omissions will be determined by the COUNTY and all decisions shall be final and binding. This would include, but not necessarily be limited to:

1. All design errors and/or omissions resulting in additional design work to correct the errors and/or omissions.
2. Preparation of design documents and detail drawings necessary for a field change due to design errors and/or omissions.
3. Revision of original tracings to the extent required for a field change due to design errors and/or omissions.

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
On-Call Contract #C-20-100-03-10
 Work Authorization No. 1

		MANHOURS						Total Line Item Cost
		Project Manager	Senior Engineer	Engineering Technician	Admin/Clerical	B2Z Total Hours		
TASKS								
1	Management & Coordination of SUBs for Warrant Analysis	6	7	4	7	24	\$3,726.59	
2	Warrant Analysis at Intersection of Rancho Blanco Rd & Jackson Rd		See Detailed Proposal from Legacy Engineering Group				\$18,000.00	
3	TXDOT Permit Coordination and Processing	10	16	4	16	46	\$7,218.10	
		16	23	8	23	70		
Labor Hours		16	23	8	23	70		
Hourly Base Rates		\$ 68.00	\$ 62.00	\$ 24.00	\$ 20.00			
Contract Rate FY2020		\$ 235.07	\$ 214.33	\$ 82.97	\$ 69.14			
Total Labor Costs		\$ 3,761.12	\$ 4,929.59	\$ 663.76	\$ 1,590.22		\$28,944.69	

Direct Expenses

B2Z Engineering Total Cost

\$ 28,944.69



March 2, 2020

Nicholus Muñoz, RPC
Vice President
B2Z Engineering, LLC
900 S. Stewart Rd. Suite 4
Mission, TX 78572

Sub: FM 2061 & Rancho Blanco Rd Intersection
Proposal for Traffic Signal Warrant Analysis & Design

Dear Mr. Muñoz:

Legacy Engineering Group, PLLC (LEG) appreciates the opportunity to submit this proposal to provide Professional Engineering Services to B2Z Engineering (the Client) on the subject project. Our anticipated Scope of Services included:

- | | |
|---|--------------------|
| I. TRAFFIC SIGNAL WARRANT ANALYSIS (TSWA) COORDINATION | \$1,000.00 |
| LEG will coordinate with the Client as necessary to ensure the successful submittal of the TSWA. | |
| II. TRAFFIC DATA COLLECTION | \$1,500.00 |
| LEG will provide 24-hour ADT traffic data for the TSWA. | |
| III. TRAFFIC SIGNAL WARRANT ANALYSIS | \$3,000.00 |
| A TSWA will be prepared in accordance with local/regional regulations and include the following: | |
| <ul style="list-style-type: none">✓ <i>Site Visit(s) & Photographs</i>✓ <i>Development of Traffic Exhibits</i>✓ <i>Analyzing Nine MUTCD Traffic Signal Warrants</i>✓ <i>Conclusions, Recommendations, and Final Report</i> | |
| IV. TRAFFIC SIGNAL DESIGN & COORDINATION | \$12,500.00 |
| A traffic signal design will be prepared in accordance with local/regional regulations. The anticipated scope of services will include the following: | |
| <ul style="list-style-type: none">✓ <i>Contract Administration & Invoicing</i>✓ <i>Project Management and Coordination</i>✓ <i>Submittal Preparations (Draft / Final)</i>✓ <i>Prepare Existing Layout of Study Area (Survey to be Provided by Client)</i>✓ <i>Prepare Proposed Traffic Signal Layouts in Accordance with MUTCD</i>✓ <i>Develop Conductor Schedule, Electrical Details, and Summary of Quantities</i>✓ <i>Compile Applicable Traffic Signal Standards</i>✓ <i>Prepare General Cost Estimate</i>✓ <i>QA/QC for Draft/Final Submittals</i> | |

TOTAL: \$18,000.00

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

Certificate Number:
2020-600721

Date Filed:
03/20/2020

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

B2Z Engineering
Mission, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Hidalgo County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

C-20-100-03-10
Work Authorization #1 - Rancho Blanco Rd

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Gonzalez, Aisha	Mission, TX United States	X	

5 Check only if there is NO Interested Party.

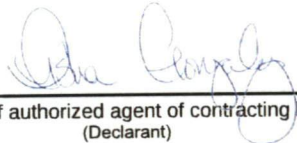
6 UNSWORN DECLARATION

My name is Aisha Gonzalez, and my date of birth is 1/23/79.

My address is 900 S. Stewart Rd., Ste 4, Mission, TX, 78572, USA.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Hidalgo County, State of Texas, on the 20 day of March, 2020.
(month) (year)



Signature of authorized agent of contracting business entity
(Declarant)