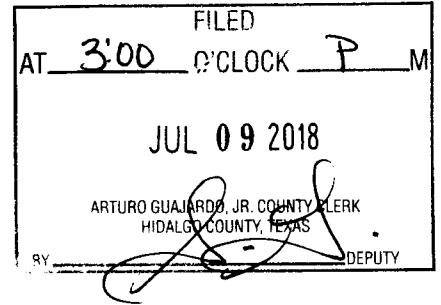


**HIDALGO COUNTY
Professional Engineering Services
Agreement #C-17-229-08-22**



WORK AUTHORIZATION NO. 2

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, **B2Z ENGINEERING LLC**, professional engineers of Mission, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is to provide a "Bridge Assessment and Traffic Control Device Design" of the Precinct No. 2 Bridges included in Exhibit B (31 Bridges).

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 **\$51,579.44**. 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. 2 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. 2**.

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

BY: *Eduardo Cantu*

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**

Nicholas Muñoz
By: Nicholas Muñoz, Vice President

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

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

APPROVED BY
COMMISSIONERS' COURT,
ON: *7/3/18*

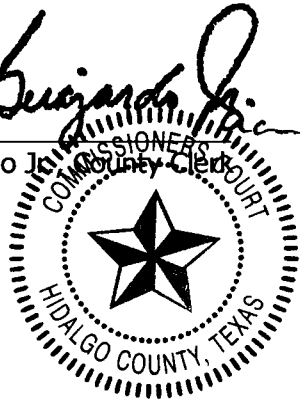


EXHIBIT A

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 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: On-Call Services for “Road and Bridge, C.I.P. and Other Projects in General”
Work Authorization No. 2 ~ Off-System Bridge Assessments and Traffic
Control Devices Design (FC170)

ENGINEER shall mean B2Z Engineering.

STATE shall mean Texas Department of Transportation.

COUNTY shall mean Hidalgo County.

EXHIBIT B

Scope of Services to be provided by the Engineer

SECTION 11 - BRIDGE DESIGN (Function Code 170)

	<u>NUMBER REQUIRED</u>
b. Existing Structure(s)	
(1) Bridge Rehabilitation and/or Modification of Existing Structure(s)	<u>31</u>
(2) Bridge Replacement	_____
(3) Raising Bridge Elevation	_____
(4) Bridge Classification Culvert(s) Widening and/or Modification of Existing Structures(s)	_____
(5) Railroad Overpass(es)	_____
(6) Railroad Underpass(es)	_____
Total Existing Structures =	<u>31</u>
2. Preparation of Bridge Layouts (each bridge)	
a. Bridge Layouts (PLAN)	
(1) A general layout with field measurements, existing and proposed traffic control devices will be provided as needed to improve safety.	
i. The ENGINEER will perform all necessary Field Reconnaissance in support of producing the necessary traffic control device sheets and to prepare a database of bridges needing rail replacement or repair, erosion control, and spall repairs.	
4. Bridge Total Quantities needed for traffic control device improvements (each bridge)	
5. Bridge Special Provisions and Specifications as needed (each bridge)	
8. General Guidelines for Bridge Traffic Control Devices & Design/Analysis	
d. The ENGINEER shall make final design calculations and final detail drawings in accordance with standard requirements of the Texas Department of Transportation. All bridge traffic control device improvements and design/analysis shall be in conformance with the Manual on Uniform Traffic Control Devices (MUTCD) and Texas Department of Transportation Sign Guidelines and Applications Manual. The ENGINEER shall furnish design calculations to the County if requested. The designer and checker shall check all calculations and initial each page.	

- Bridge 1: Minnesota Rd
- Bridge 2: Caesar Chavez Rd
- Bridge 3: Nebraska
- Bridge 4: Moore Rd between S.A & Neb
- Bridge 5: Irrigation Canal side by side Valley View
- Bridge 6: Veterans Blvd between Levees
- Bridge 7: Floodway
- Bridge 8: Anaya Rd. between Alamo & C.C.
- Bridge 9: Farm Access Rd Bridge, W. of Valley View Rd
- Bridge 10: Valley View
- Bridge 11: Leve Rd crossing Bridge #1
- Bridge 12: Leve Rd crossing Bridge #2
- Bridge 13: Doffing between Stewart and I Rd
- Bridge 14: San Juan Rd & Levee
- Bridge 15: I Rd between Doffing and Military
- BRG_AA06-52-001: Anaya Rd Bridge, W. of Alamo Rd
- BRG_AA06-52-002: Anaya Rd between Stewart and S.J.
- BRG_AA06-53-001: Las Milpas Rd
- BRG_AA06-53-002: Las Milpas Rd between I Rd & S.J.
- BRG_AA06-54-001: Dicker Rd

EXHIBIT B

Scope of Services to be provided by the Engineer

BRG_AA06-55-001: Tower Rd
BRG_AA06-56-001: Border Rd
BRG_AA06-57-001: I Rd between Dicker and Milpas
BRG_AA06-64-001: C.C. Rd between Hiline Rd & Anaya Rd
BRG_AA06-66-001: San Juan Rd
BRG_AA07-90-001: Moore Rd
BRG_AA10-18-001: Ridge Rd
BRG_AA14-00-001: Main flood way
BRG_AA14-01-001: Main flood way
BRG_AA14-03-001: Main flood way
BRG_AA14-04-001: Main flood way



**EXHIBIT D
FEE PROPOSAL**

Bridge Assessment & Traffic Control Devices Design

Hidalgo County Precinct No. 2
Work Authorization No. 2

TASKS	MAN HOURS			
	Senior Project Manager	Project Engineer	Senior Engineer Tech	Total
Hidalgo County Precinct No. 2				
Bridge Assessment & Traffic Control Devices Design				
TASKS				
PRECINCT 2 EXISTING BRIDGES INITIAL SITE ASSESSMENT (31 BRIDGES TOTAL)				
1	Site Visit (Inventory of Traffic Control Devices, Rail Condition & End Treatments, Brg Erosion, Brg Spalls (Cracks))	14	44	60
TRAFFIC CONTROL DEVICES DESIGN & DETAILS				
2	Engineering Analysis of Existing and Proposed Traffic Control Devices at Each Bridge.	14	80	94
3	Bridge Traffic Control Device Layouts and Details	18	44	142
GENERAL				
4	Meetings & Coordination with Hidalgo County Pct. #2	8	10	18
		54	178	372
Labor Hours		54	178	372
Hourly Base Rates		\$ 68.00	\$ 45.00	\$ 31.00
Contract Rate FY2018		\$ 217.82	\$ 144.15	\$ 99.30
Total Labor Costs		\$ 11,762.28	\$ 25,658.70	\$ 13,902.00

Direct Expenses

Mileage (\$0.56/mile) \$ 196.46
 8 1/2" X 11" Copies (\$1.00/sheet) \$ 24.00
 11" X 17" Copies (\$1.50/sheet) \$ 36.00

Total Direct Expenses \$ 256.46

B2Z Engineering Total Cost

\$ 51,579.44

Precinct No. 2

Bridge Locations

EXHIBIT B

Legend
Bridge



VBS
7/5/18

AI-65538

CC - REGULAR

Purchasing Department 21. C. 1.
Prct. 2

Meeting Date: 07/03/2018

Submitted For: Eddie Cantu, COMM. PCT. #2 Submitted By: Erika Zamora, COMM. PCT. #2

Department: COMM. PCT. #2

Information

CAPTION

A. Requesting approval of Work Authorization No. 3 (with an estimated cost of \$65,321.00) as submitted by project engineer, B2Z Engineering LLC, to provide preliminary design and construction phase services for the Precinct 2 North San Juan Park Swimming Pool Project, through Contract #C-17-229-08-22;

B. Pursuant to contract with B2Z Engineering, (Article 12) C-17-229-08-22, a request for approval by engineer to permit the subcontracting of Trinity MEP Engineering, LLC. and Chanin Engineering, LLC, to provide MEP and Structural engineering services for the Pct 2 North San Juan Park Swimming Pool Project

BACKGROUND

Work Authorization will be attached on Monday.

Fiscal Impact

CALENDAR YEAR: 2018

ACCT. #: 8-1351-452-00-122-148-0-740

FUNDS AVAILABLE Y/N?: Y/Pending

MATCHING FUNDS Y/N?: N

BUDGETARY IMPACT:

Funding pending approval of AI#65539 CC 7/3/18.

Attachments

notice

WA#3

Form Review

Inbox	Reviewed By	Date
Purchasing - Internal	Marty Salazar	06/29/2018 04:34 PM
Budget & Management	Veronica Ortiz	06/29/2018 04:36 PM
Final Approval	Monica Salinas	06/29/2018 06:00 PM
Form Started By: Erika Zamora		Started On: 06/29/2018 01:42 PM
Final Approval Date: 06/29/2018		