

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

SUPPLEMENTAL AGREEMENT NO. 2
To Work Authorization No. 2
of AGREEMENT FOR PROFESSIONAL SERVICES
(C-17-182-06-13)

This **SUPPLEMENTAL AGREEMENT** is made pursuant to the terms and conditions of Article 8 of the Agreement made by and between **HIDALGO COUNTY**, acting herein by and through the **Commissioner’s Court**, hereinafter called the “**Owner**”, and **B2Z ENGINEERING, LLC**, Professional Engineers of Mission, Texas, hereinafter called “**Engineer**”.

WITNESSETH

WHEREAS, the **Owner** and the **Engineer** executed the **Agreement** on the 13th day of **June 2017** concerning the **Engineer** to provide design and construction management services for “**Military Highway Extension**” (hereinafter referred to as the “**Project**”); and,

WHEREAS, Article 8 of the **Agreement**, (Supplemental Agreements), establishes that, “The terms of the Agreement may be amended by supplemental agreement if the Owner determines that [...] (3) for any other reason agreeable to the **Owner** and the **Engineer**”; and,

WHEREAS, due to right of way concerns, the County has requested a revision to the preferred alignment beginning east of the irrigation canal, which requires the redesign of the final submitted set of plans; and,

WHEREAS, it has become necessary to amend “Exhibit D – Fee Proposal” of Work Authorization No. 2 to increase the original amount of **\$289,009.19** to **\$487,919.90**; therefore, the amount of **Supplemental No. 2 is \$198,910.71.**

A. AGREEMENT

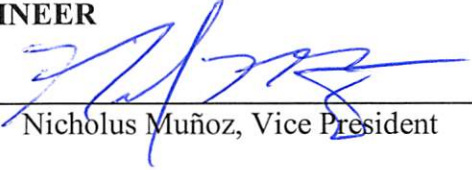
NOW THEREFORE, premises considered, the **Owner** and the **Engineer** agree that said **Agreement** is amended as follows:

- I. Section of the Agreement, “Exhibit D – Fee Proposal”, is revised to reflect the above listed modification of this Supplemental.

All other provisions are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the Engineer and the Owner have caused this Supplemental Agreement to the Agreement for Professional Services to be executed as of the _____ day of _____, 2019.

**THE ENGINEER:
ENGINEER**

BY: 
Nicholus Muñoz, Vice President

Address for Giving Notices:

900 S. Stewart Rd., Suite 4
Mission, TX 78572

**THE OWNER:
HIDALGO COUNTY**

BY: _____
Richard Cortez, County Judge

LIST OF ATTACHMENTS

Exhibit D



**EXHIBIT "D"
FEE PROPOSAL**

Military Highway Extension Project - Contract # 17-182-06-13

Precinct #2

<i>Hidalgo County Precinct #2 Supplemental #2 to WA #2</i>		MANHOURS				B2Z Total Hours	Total Line Item Cost
		Senior Project Manager	Project Engineer	Senior Engineer Tech	Admin/Clerical		
TASKS							
1	Environmental Phase I Site Assessment (New Alignment Location)		See Detailed Proposal from CSR Page 2 of 4				\$3,778.25
2	PS&E Development (Approx 6.7% Engineering Fee)	90	300	466		856	\$105,945.26
3	2 ~ Signal ReDesigns (Intersections with McColl Rd & Jackson Rd)		See Detailed Proposal from Albert Aldana, PE Page 3 of 4				\$17,500.00
4	Permitted Utilities Coordination to Adjust	6	24	18	14	62	\$7,233.86
5	Management of Field Surveys for Design & Construction	8	14		6	28	\$4,024.34
6	Field Surveys for Design & Construction		See Detailed Proposal from ROWSS Page 4 of 4				\$60,429.00
		104	338	484	20	926	
Labor Hours		104	338	484	20	926	
Hourly Base Rates		\$ 68.00	\$ 45.00	\$ 31.00	\$ 20.00		
Contract Rate FY2017		\$ 211.48	\$ 139.95	\$ 96.41	\$ 62.20		
Total Labor Costs		\$ 21,993.92	\$ 47,303.10	\$ 46,662.44	\$ 1,244.00		\$198,910.71

B2Z Engineering Total Cost

\$198,910.71

Albert J. Aldana, P.E.

October 21, 2019

Mr. Nicholus Muñoz, RPC
Vice President
B2Z Engineering, LLC
900 S. Stewart Rd, Ste. 4
Mission, Texas 78572

**RE: *Traffic Signal Design Services Proposal
For Military Hwy Extension between 10th St and Jackson Rd (Revisions)***

Dear Mr. Muñoz:

This is a proposal for the proposed revisions to the roadway alignment for Military Highway between 10th Street and Jackson Rd in Hidalgo County Precinct #2, Texas and the required changes to the traffic signal plans previously completed.

AETD will revise traffic signal plans as detailed in the attached “**Exhibit A**” – **Scope of Services/Fee**.

SCHEDULE

It is estimated the project will be completed within twenty (20) calendar days from the date a written notice to proceed is received.

COMPENSATION

The proposed total lump sum fees for this project are **\$17,500.00**. I look forward to assisting with this project. If you have any questions or require additional information, please do not hesitate to call me.

Sincerely,



Albert J. Aldana, P.E.

Attachments: Exhibit A – Scope of Services/Fee

Exhibit "D"
BUDGET
LUMP SUM RATE BASIS OF PAYMENT

Work Authorization No. _____

A	B	C	D	E	F	G	H	I	J	K
Highway: Military Rd. Extension							R.O.W. Surveying Services, L.L.C.			
County: Hidalgo County, Texas										
Limits: Begin Project from HCID #2 Irrigation Canal to Jackson Rd										
Description of Work: Design Survey										
TASK AND DESCRIPTION										
	Survey PM	RPLS	Survey Technician	4-man Survey Crew	3-man Survey Crew	2-man Survey Crew	SUE/per unit	Admin/ Clerical	Total Hours	Cost
	FC 130 ROW Map / FC 150 Field Surveying									
	HOURLY RATE	\$124.00	\$125.00	\$82.00	\$175.00	\$155.00	\$130.00	\$500.00	\$50.00	
PHASE 1 - FC 130 (ROW MAP) Lump Sum										
A. ROW Map, Parcel Description, Metes and Bounds Description, and Title Reports approx. 12 parcels on new Alignment @ \$2,000.00/parcel										
FC 130 Lump Sum Subtotal Cost										\$ 24,000.00
PHASE 1 - FC 150 Field Surveying (Control Hz & Vt)										
A. Primary Project Control										
a. Establish Primary Control										
	0	4	4	0	6	0	0	2	16	\$ 1,858.00
B. Secondary Project Control										
a. Set additional secondary control points as needed										
	0	0	1	0	4	0	0	0	5	\$ 702.00
b. Horizontal values Checked and re-established with RTK or VRS										
	0	2	4	0	6	0	0	2	14	\$ 1,608.00
c. Vertical values checked and re-established with digital level										
	0	2	4	0	6	0	0	2	14	\$ 1,608.00
	Subtotal Hours	0	8	13	0	22	0	6	49	
	Subtotal Cost - Phase 1	\$0.00	\$1,000.00	\$1,066.00	\$0.00	\$3,410.00	\$0.00	\$0.00	\$300.00	\$ 5,776.00
PHASE 2 - DTM Topography and Cross sections (Total Length including side streets 1000' to each side FM 1925 and SH 107, Drain, etc.=3.1 miles)										
C. Setting Benchmarks										
1. Setting Benchmarks @ 1000'(ft) intervals										
	0	3	5	0	12	0	0	0	20	\$ 2,645.00
2. Topographic & Crosssections										
	0	16	19	0	35	0	0	0	70	\$ 8,983.00
3. Locate Visible Utilities										
	0	0	16	0	4	0	0	0	20	\$ 1,932.00
4. Cross Culverts, Driveway Culverts, Inverts										
	0	0	16	0	4	0	0	0	20	\$ 1,932.00
5. Right of Entry										
	0	2	0	0	0	0	0	8	10	\$ 650.00
6. Proposed Centerline on Existing Pavement for Utilities										
	0	4	8	0	6	0	0	0	18	\$ 2,086.00
7. Profile and Cross section Intersecting Streets										
	0	2	10	0	4	0	0	0	16	\$ 1,690.00
8. Irrigation Crossings										
	0	0	0	0	2	0	0	0	2	\$ 310.00
9. Existing Storm Drain H&V										
	0	0	0	0	0	0	0	0	0	\$ -
10. Tie Existing Underground and Overhead Utilities Coordinate with Engineer (No SUE)										
	0	2	10	0	4	0	0	0	16	\$ 1,690.00
11. Additional Field Surveying										
a. Irrigation Lines										
	0	0	0	0	4	0	0	0	4	\$ 620.00
b. Outfalls										
	0	0	0	0	4	0	0	0	4	\$ 620.00
c. Driveways and Turnouts										
	0	1	8	0	4	0	0	0	13	\$ 1,401.00
15. Profiles of Existing Drainage Facilities										
	0	0	4	0	2	0	0	0	6	\$ 638.00
17. Obtain Elevations of Manholes and Valves of Utilities										
	0	0	3	0	2	0	0	0	5	\$ 556.00
18. Provide temp. signs, traffic control, flags, safety equip. etc.										
	0	0	0	0	2	0	0	0	2	\$ 310.00
19. Ties to Existing Bridges or Culverts that may be in conflict with new construction										
	0	0	0	0	2	0	0	0	2	\$ 310.00
21. Inventory Signs, mailboxes, and driveways										
	0	0	0	0	2	0	0	0	2	\$ 310.00
22. Survey Control Data Sheets per TxDOT										
	0	0	4	0	0	0	0	0	4	\$ 328.00
24. Coordinate with the Engineer for Existing CL Stationing										
	0	4	4	0	0	0	0	0	8	\$ 828.00
25. Right of Way Restaking										
	0	0	4	0	6	0	0	0	0	\$ 1,258.00
	Subtotal Hours	0	34	111	0	99	0	8	242	
	Subtotal Cost - Phase 2	\$0.00	\$4,250.00	\$9,102.00	\$0.00	\$15,345.00	\$0.00	\$0.00	\$400.00	\$ 29,097.00
PHASE 3- SUBSURFACE UTILITY ENGINEERING										
1. Hydro Excavation SUE Level A (40 holes at \$500 each) Using Work Auth 1 SUE										
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
	Total Cost-Phase 3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
PHASE 4 - FINAL REPORT & DELIVERABLES										
A. CADD file (2D & 3D) for limits of project										
	0	2	4	0	0	0	0	0	6	\$ 578.00
B. Final Report and Deliverables										
	0	2	2	0	0	0	0	3	7	\$ 564.00
	Subtotal Hours	0	4	6	0	0	0	3	13	
	Subtotal Cost - Phase 4	\$0.00	\$500.00	\$492.00	\$0.00	\$0.00	\$0.00	\$0.00	\$150.00	\$ 1,142.00
PROJECT MANAGEMENT & OVERSIGHT										
A. Meeting & Coordination w/ Engineers										
	0	2	2	0	0	0	0	0	0	\$ 414.00
B. QC/QA Survey										
	0	0	0	0	0	0	0	0	0	\$ -
	Subtotal Hours	0	2	2	0	0	0	0	0	
	Subtotal Cost - PM & Oversight	\$0.00	\$250.00	\$164.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$414.00
	Total Fee FC 150	\$0.00	\$6,000.00	\$10,824.00	\$0.00	\$18,755.00	\$0.00	\$0.00	\$850.00	\$36,429.00
	Total SUE					\$0.00				\$0.00
	Total Fee FC 130 & FC 150 & SUE									\$60,429.00