

B²Z ENGINEERING

P.O. Box 2724
 McAllen, Tx. 78502
 (956) 585-3773

PO # 803856
0-1315-431-00-122-062-0-721
 Req # 400015
\$ 1,040.03

Invoice

Date	Invoice #
10/1/2020	20257

Please send remittance with copy of invoice to:
 Attn: Mrs. Aisha Gonzalez
 P.O. Box 2724
 McAllen, Tx. 78502

Bill To:
 Hidalgo County Precinct #2
 300 West Hall Acres, Suite G
 Pharr, TX 78577

Project Info:
 Hidalgo County Precinct #2
 Contract # C-19-016-08-13
 Work Authorization #1
 Dicker Road

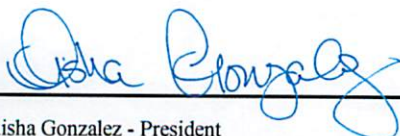
B2Z JOB: 2302
 PO # 803856

Billing Period **September 2020**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 42,814.84	\$ 4,865.33	\$ 47,680.17	49%	49,626.29
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 55,693.45	\$ 6,328.80	\$ 62,022.25	49%	64,553.77
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 230,448.19	\$ 26,187.29	\$ 256,635.48	49%	267,110.40
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 28,361.75	\$ 3,222.93	\$ 31,584.68	49%	32,873.82
Direct Expenses						
Mileage	\$ 10,569.42	\$ 4,650.54	\$ 528.48	\$ 5,179.02	49%	5,390.40
CMT	\$ 332,938.60	\$ 146,492.98	\$ 16,646.93	\$ 163,139.91	49%	169,798.69
Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>508,461.75</u>	<u>57,779.76</u>	<u>566,241.51</u>		<u>599,240.01</u>
Construction Contract Administration	\$ 20,177.80	\$ 18,160.02	\$ -	\$ 18,160.02	90%	2,017.78
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74	\$ 7,349.17	\$ -	\$ 7,349.17	90%	816.57
Tasks 1-6 - Construction Inspection	\$ 22,401.42	\$ 20,161.28	\$ -	\$ 20,161.28	90%	2,240.14
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 1,750.74	\$ -	\$ -	\$ -	0%	1,750.74
Miscellaneous Technical Activities	\$ 3,399.65	\$ 3,059.69	\$ -	\$ 3,059.69	90%	339.96
Direct Expenses						
Mileage	\$ 1,170.00	\$ 1,053.00	\$ -	\$ 1,053.00	90%	117.00
CMT	\$ 32,879.40	\$ 29,591.46	\$ -	\$ 29,591.46	90%	3,287.94
	<u>89,944.75</u>	<u>79,374.62</u>		<u>79,374.62</u>		<u>10,570.13</u>
Total For This Billing Period						\$57,779.76

Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1	\$1,255,426.27	\$587,836.37	51.43%	\$609,810.14


 Aisha Gonzalez - President

INVOICE RECEIVED BY:
Ruben Mancha ON 10/01/20
 GOODS/SERVICES RECEIVED BY:
Eddie Canhu ON 09/01-30/20

\$ 57,779.76 x 1.8% = \$ 1,040.03 (P.O.)
 \$ 57,779.76 x 18.2% = \$ 10,515.92 (state)
 \$ 57,779.76 x 80% = \$ 46,223.81 (federal)

PO # 803856
0-1315-126-20-122-028-0-000
 Req # 400015 \$10,515.92
 PO # 803856
0-1315-126-10-122-008-0-000
 Req # 400015 \$46,223.81

October 1, 2020

Hon. Eddie Cantu
Commissioner, Hidalgo County Pct. #2
300 W. Hall Acres Rd.
Pharr, TX 78577

**RE: Professional Engineering Services (C-19-016-08-13)
Work Authorization No. 1 ~ Precinct No. 2 ~ Dicker Road Project
PO #803856**

Dear Commissioner Cantu:

Attached for your review and approval is our invoice for services rendered under Work Authorization #1 during the month of September 2020 on the subject referenced project.

The following is attached:

- Invoice No. 20257

The following is a narrative of the progress for this period.

TASK	% Complete
1 - Construction Contract Administration	49%
<p><u>UPDATED:</u> B2Z conducted our last Precinct #2 status meeting on April 21, 2020 via teleconference following COVID-19 safety protocols. Attendees included Armando Garza (RPIC), Erika Zamora, Jorge Hinojosa, Roy Garcia, and members of the B2Z staff included Saul Munoz and Stanley Ramos. B2Z continued maintaining daily communication with Precinct #2 personnel to discuss contractor, project, and precinct concerns.</p> <p>The last Critical Path schedule showed the Project to be completed by August 17, 2021.</p> <p>B2Z is working closely with the County and Engineer of Record to ensure that change orders and utility adjustments are included in the final as-built plans.</p> <p>B2Z office continues managing office business by cell phone or video conferencing during the COVID-19 epidemic to minimize personal contact and practice social distancing. Field personnel manage daily business by cell phone and meet face to face to discuss critical work, pay quantities, testing requirements, public concerns, and business.</p>	

<p>B2Z continues coordinating the contract administration activities with Armando Garza (County RPIC), Earthworks (Contractor), TEDSI (Design Engineer), McAllen Public Utility, City of McAllen, City of Hidalgo, Hidalgo County Irrigation District #2 and Mr. Francisco Cantu (TxDOT Field Engineer). Mr. Cantu will serve as the TxDOT RPIC through September 2020, replaced by Ms. Parra as the new TxDOT RPIC.</p> <p>B2Z conducts monthly meetings with the County Precinct #2 Commissioner and the Responsible Person in Charge (RPIC) throughout the construction duration for project performance and updates.</p> <p>B2Z coordinated all the major compensable utility adjustments with L&G, the Engineer of Record. B2Z eliminated two major utility adjustments that saved the County compressible funds that had been set aside for the adjustment. B2Z continues to explore the construction contract for cost savings opportunities on Dicker Road for Pct#2.</p> <p>To date, six change orders have been approved for Dicker Road, totaling -\$427,200.73.</p> <p>Four of the six change orders introduced a savings of over -\$1,253,659.83 for Hidalgo County.</p> <p>The next change order #7 will include; 1) the relocation an existing signal pole at 23rd Street, 2) the relocation of an existing irrigation line currently behind the new curb and gutter between Jackson and the Floodway Bridge and 3) to increase the 6x5 box culverts plan quantity due to a field measurement and plan error.</p>	
<p>2 – Construction Management & Inspection</p>	
<p>Tasks 1-9 Construction Management (During Construction)</p>	<p>49%</p>
<p>UPDATED: B2Z is currently reviewing and processing pay estimates and invoices for the month of September.</p> <p>B2Z did not require commercially useful function (CUF) interviews this month.</p> <p>B2Z continues to coordinate subcontractor approvals with the County.</p> <p>B2Z continues to conduct labor wage rate interviews and provided certification statements with each monthly estimate.</p>	

<p>B2Z continues Implementation of the Quality Assurance Plan.</p> <p>B2Z continues coordinating the Dicker Road Notice of Intent (NOI) with TECQ and the County.</p> <p>B2Z posted and approved three “Large Construction Site Notice” for storage.</p> <p>B2Z has conducted regular field meetings to coordinate field modifications with contractor personnel, McAllen Public Utility, the City of McAllen, the City of Hidalgo and utility owner/coordinators. This has eliminated the need for formal RFI’s.</p> <p>The McAllen PU waterline is complete. The 12” water line is installed from 23rd Street to the McColl Road. The line passed the pressure tests.</p>	
<p>Tasks 1-6 Construction Inspection</p>	<p>49%</p>
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z conducted and documented daily job-site inspections in the project diary. ▪ B2Z prepared daily pay sheets and verified that project materials meet specifications. ▪ B2Z assured safety measures were in for proper personal protection equipment (PPE), for proper vehicular safety, including COVID-19 requirements. ▪ B2Z assured proper trench protection by using trench boxes while installing pipe or boxes. ▪ B2Z assured proper traffic safety by ensuring proper project barricading. B2Z conducts day and night barricades inspections. ▪ B2Z coordinating with Hidalgo Irrigation District #2 to repair a damaged irrigation line in front of Walmart. <p><u>UPDATED:</u></p> <p><u>Traffic Control:</u></p> <ul style="list-style-type: none"> ▪ Dicker Road is closed between 23rd and 10th Street to full construction ▪ Dicker Road is open between 10th Street and McColl Road to traffic ▪ Dicker Road is closed between McColl and Jackson Road to full construction 	

<p><u>UPDATED:</u></p> <p>Construction between Jackson Road to McColl Road (Road Closed) include:</p> <ul style="list-style-type: none"> ▪ Earthworks - Liming salvage and new base ▪ Earthworks – Poured curb and gutter ▪ Earthworks – Pouring concrete sidewalks ▪ Earthworks – Poured driveway in from of Valley View School and Walmart ▪ Earthworks – Prime flex base between the Floodway Bridge and McColl. ▪ Earthworks – Pouring wheelchair ramps and landings at the McColl intersection ▪ Lucania – Installed new armor joints and poured concrete decks on the north and south sides of the Floodway Bridge ▪ Austin Traffic – Installing new poles and pedestrian elements at McColl <p>Construction from McColl Road to 10th Street (Road Open) includes:</p> <ul style="list-style-type: none"> ▪ Lucania – Removing to replace the armor joints at the Main Canal Bridge ▪ Lucania – Placed preformed metal decking (PMD) at the Main Canal Bridge ▪ GO – Installing inlets and manholes between Main Canal to 10th St. ▪ GO – Installing 54” RCP between McColl and the Main Canal ▪ Austin Traffic Signal – Installing new poles and pedestrian elements at 10th Str. <p>Construction from 23rd St. to 10th Street (Road Closed) includes:</p> <ul style="list-style-type: none"> ▪ Earthworks – Completed 2/3 of the roadway, including Ty “B” and “D” asphalt, excavation, limed subgrade, limed salvage caliche (base material), curb & gutter and driveways. ▪ Earthworks – Primed flex base again, preparing for hot mix ▪ Earthwork – Preparing for signs and striping, to reopen Dicker to traffic. 	
<p>Tasks 1-3 Construction Management (Post Construction)</p>	<p>0%</p>
<p><u>NO UPDATE:</u> <i>This task has not begun.</i></p>	
<p>3 – Miscellaneous Technical Activities</p>	<p>49%</p>
<p><u>UPDATED:</u></p> <p>B2Z is coordinating the action to adjust conflicting utilities that will impact the proposed construction.</p> <ul style="list-style-type: none"> ▪ B2Z continues to work closely with property owners to provide information and to respond to complaints. ▪ B2Z continues coordinating with L&G Utility Team to identify compensable and non-compensable utilities and adjustments. 	

<ul style="list-style-type: none"> ▪ B2Z continues coordination with all stakeholders to ensure relocation of all utilities to not conflict with the installation of the new waterline and is tracking any relocations to plot on final as-builts. ▪ B2Z continues to work with City of McAllen to install signals at 23rd Street. ▪ B2Z coordinated with Hidalgo County Irrigation District #2 for access requirements at the Main Canal. 	
<p>4 – Direct Expenses (Mileage)</p>	<p>49%</p>
<p><u>UPDATED:</u> B2Z has conducted the following activities that required vehicle travel:</p> <ul style="list-style-type: none"> ▪ Superintendent/Inspector job-site inspections - daily ▪ Project Manager site visits – 3/week ▪ Laboratory Inspector testing– daily ▪ Earthworks Meetings – 1/week ▪ Hidalgo County Precinct No. 2 Status Meetings – 1/month ▪ McAllen PU 12” Waterline meetings – 1/week ▪ Hidalgo County Irrigation District #2 – 1/week ▪ L&G Utility Meetings – 1/week 	
<p>4 – Direct Expenses (CMT)</p>	<p>49%</p>
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z continues with concrete testing requirements for bridge elements including concrete beams, panels, piles, and steel armor joints ▪ The B2Z Laboratory continues to monitor and verify TxDOT material producers that are approved for the project ▪ B2Z continues to monitor TxDOT’s approves of concrete and hot mix designs ▪ Sampled embankment for moisture density (MD) testing ▪ Sampled salvage and new base material for stockpiling and moisture density curve ▪ Sampled subgrade and base material for MD requirements (treated and untreated) ▪ Backfill testing of reinforced concrete pipe and concrete boxes ▪ Lime Sample was obtained for material verification testing ▪ MC30 Sample was obtained for material verification testing ▪ Sampled raw Cement - used in the Class A concrete for curb and gutter. 	

City of McAllen
 12" Water Line
 Supplemental #2 to WA#1

TASK	% Complete
1 - Construction Contract Administration	90%
<u>NO UPDATE:</u> Awaiting Waterline Testing and Acceptance by McAllen Public Utility	
2 – Construction Management & Inspection	
Tasks 1-9 Construction Management (During Construction)	90%
<u>NO UPDATE:</u> Waiting for waterline pressure testing and Acceptance by McAllen Public Utility	
Tasks 1-6 Construction Inspection	90%
<u>NO UPDATE:</u> Awaiting Waterline Testing and Acceptance by McAllen Public Utility	
Tasks 1-3 Construction Management (Post Construction)	0%
<u>NO UPDATE:</u> <i>This task has not begun.</i>	
3 – Miscellaneous Technical Activities	90%
<u>NO UPDATE:</u> Awaiting Waterline Testing and Acceptance by McAllen Public Utility	

4 – Direct Expenses (Mileage)	90%
<u>NO UPDATE:</u> Awaiting Waterline Testing and Acceptance by McAllen Public Utility	
4 – Direct Expenses (CMT)	90%
<u>NO UPDATE:</u> Awaiting Waterline Testing and Acceptance by McAllen Public Utility	

Should you have any questions regarding this submittal, please do not hesitate to call me at (956) 585-3773.

Sincerely,

Carlos Del Angel, PMP
Executive Vice President
B2Z Engineering, LLC



Purchase Order COUNTY OF HIDALGO

PO# 803856 ✓

DATE: 08/23/19

PAGE NO: 1 of 1

PO TYPE:

VENDOR: 449121

REQ: 00400015 ✓

PHONE: (956) 585-3773

Fax: (956) 583-7116

EMAIL: Reza@B2ZEng.com

SHIP TO: HIDALGO CO. PCT 2

✓ 300 WEST HALL ACRES, SUITE G
PHARR TX 78577

GONZALEZ, AISHA
B2Z ENGINEERING, LLC ✓
900 S. STEWART RD. SUITE 4
MISSION TX 78572

CONTACT: EDUARDO CANTU

(956) 787-1891

SITE: COMMISSIONER, PRECINCT 2

CONTRACT NO: C-19-016-08-13

SPECIAL INSTRUCTIONS:

VENDOR NOTES

1. Do not add to, or alter this Purchase Order. This Order is not renewable.
2. TAX EXEMPTION: This Purchase Order may be accepted in lieu of Exemption Certificate.
3. This Order is also placed F.O.B. Destination. Vendor must repay all shipping costs.
4. Invoice each Purchase Order singly. Original invoices are required customer copy may be accepted. Out number must appear on all invoices, bills of lading, and packages.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		DO NOT DUPLICATE ORDER		
		TXDOT PCT 2 DICKER ROAD (23RD ST-JACKSON RD) - ENGINEERING SERVICES		
		WORK AUTHORIZATION NO. 1 APPROVED BY CC 8/13/19 AI#71702 ADVANCE FUNDING AGREEMENT AMENDMENT NO. 1 APPROVED BY CC 4/9/19 AI#69798		
		TOTAL WORK AUTH NO. 1 IS FOR \$1,165,481.52 AS PER AFA TXDOT (FEDERAL) PARTICIPATION IS 80% 932,385.22, STATE PARTICIPATION IS 18.2% \$212,117.64 AND COUNTY PARTICIPATION IS 1.8% \$20,978.66.		
1.00	LOT	CC WORK AUTHORIZATION NO. 1 FOR ENGINEER TO PROVIDE CONSTRUCTION CONTRACT ADMINISTRATION, CONSTRUCTION MANAGEMENT & INSPECTION, CONSTRUCTION MATERIALS TESTING AND MISCELLANEOUS TECHNICAL ACTIVITIES FOR THE PCT 2 DICKER ROAD PROJECT FROM SP 115 TO FM 2061	20,978.6600	20,978.66
		TOTAL:		20,978.66
		***** For Hidalgo County use only 9-1315-431-00-122-062-0-721	20,978.66	
		0-1200-431-00-122-062-0-841		\$ 89,944.75

SCANNED
AUG 27 2019

Authorized by:

Martha L Salazar
msl