



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

Invoice

Date	Invoice #
6/1/2020	20232

PO # 803856
0-1315-431-00-122-062-0-721
Req # 400015
\$ 1,155.67

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

PO # 803856
0-1200-431-00-122-062-0-841
Req # 400015
\$ 44,946.92

B2Z JOB: 2302
PO # 803856

Billing Period May 2020

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 25,299.68	\$ 1,946.13	\$ 27,245.81	28%	70,060.65
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 21,517.92	\$ 6,328.80	\$ 27,846.72	22%	98,729.30
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 89,036.80	\$ 26,187.29	\$ 115,224.09	22%	408,521.79
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 15,470.05	\$ 2,578.34	\$ 18,048.39	28%	46,410.11
Direct Expenses						
Mileage	\$ 10,569.42	\$ 1,796.80	\$ 528.47	\$ 2,325.27	22%	8,244.15
CMT	\$ 332,938.60	\$ 66,587.72	\$ 26,635.09	\$ 93,222.81	28%	239,715.79
Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>219,708.97</u>	<u>64,204.12</u>	<u>283,913.09</u>		<u>881,568.43</u>
Construction Contract Administration	\$ 20,177.80	\$ 5,044.45	\$ 10,088.90	\$ 15,133.35	75%	5,044.45
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74	\$ 2,041.44	\$ 4,082.87	\$ 6,124.31	75%	2,041.43
Tasks 1-6 - Construction Inspection	\$ 22,401.42	\$ 5,600.36	\$ 11,200.71	\$ 16,801.07	75%	5,600.35
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 1,750.74	\$ -	\$ -	\$ -	0%	1,750.74
Miscellaneous Technical Activities	\$ 3,399.65	\$ -	\$ 2,549.74	\$ 2,549.74	75%	849.91
Direct Expenses						
Mileage	\$ 1,170.00	\$ 292.50	\$ 585.00	\$ 877.50	75%	292.50
CMT	\$ 32,879.40	\$ 8,219.85	\$ 16,439.70	\$ 24,659.55	75%	8,219.85
	<u>89,944.75</u>	<u>21,988.60</u>	<u>44,946.92</u>	<u>16,145.52</u>		<u>23,799.23</u>
Total For This Billing Period						\$109,151.04

Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
I	\$1,255,426.27	\$240,907.57	27.88%	\$905,367.66

\$ 64,204.12 x 1.8% = \$ 1,155.67 p.o.
\$ 64,204.12 x 18.2% = \$ 11,685.15 (state)
\$ 64,204.12 x 80% = \$ 51,363.30 (federal)

Aisha Gonzalez
Aisha Gonzalez, President

PO # 803856
0-1315-126-10-122-008-0-000
Req # 400015
\$ 51,363.30

INVOICE RECEIVED BY:
Lupita Garza ON 06/04/20
GOODS/SERVICES RECEIVED BY:
Eduardo Cuiter ON 05/01-31/20

PO # 803856
0-1315-126-20-122-028-0-000
Req # 400015
\$ 11,685.15

June 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 May 2020 on the subject referenced project.

The following is attached:

- Invoice No. 20232 ✓

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

TASK	% Complete
1 - Construction Contract Administration	28%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none">▪ B2Z continues with video or telecommunication during the COVID-19 epidemic to minimize personal contact and practice social distancing.▪ B2Z continues contract administration coordination activities with Armando Garza (County RPIC), Earthworks (Contractor), TEDSI (Design Engineer) and TxDOT (Field Engineer).▪ B2Z conducts monthly meetings with the Commissioner & County RPIC throughout the construction duration for project updates.▪ B2Z continues coordinating compensable utility adjustments with L&G to minimize down time, to eliminate any unnecessary adjustments, reduce the scope of work and cost adjustment. Cost savings for Pct#2.▪ Earthworks is installing a 12" waterline for McAllen PU, approximately 80% complete. GO Underground reconnected the City of Hidalgo's 10" waterline to the new 12" waterline.	

<ul style="list-style-type: none"> ▪ Negotiating CO #6 with Earthworks to reduce the pavement thickness and introducing another cost saving. TEDSI reengineered a pavement design that allowed reducing the asphalt thickness by ½” and modifying the detour materials for a cost savings. ▪ CO #6 also corrects a few plans error for missing SGT’s (metal beam guard fence), 4 missing remove structure (wingwall) and to remove more old concrete (rail). ▪ B2Z communicates with the City of McAllen for signal maintenance and placement of the proposed controller cabinet, service pole, signal lights and traffic poles at 23rd Street, 10th Street, McColl Road and Jackson Road. City of McAllen will assume maintenance of the signals at 10th Street, McColl Road, and Jackson Road for Hidalgo County. ▪ B2Z has produced six change orders for Precinct #2, representing over \$1,000,000 in cost savings into the project. 	
2 – Construction Management & Inspection	
Tasks 1-9 Construction Management (During Construction)	22%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z conducted commercially useful function (CUF) report on Luciana – Bridge DBE Subcontractor. ▪ Conducted labor wage rate interviews and provided certification statements with monthly estimate. ▪ B2Z coordinated the Dicker Road NOI with the County. ▪ B2Z coordinated subcontractor approvals with the County. ▪ B2Z posted three “Large Construction Site Notice” for storage. ▪ B2Z completed the permit processing with HCID#2 for access. ▪ B2Z coordinated with Pct. #2 to salvage removed concrete pipe, metal beam guard fence, pedestrian railing, safety end treatments. ▪ B2Z coordinated the 10-day notice to Department of Health through Pct. #2 to initiate bridge demolition and hazardous material inspection. 	

Tasks 1-6 Construction Inspection	22%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ Inspections from Jackson Road to McColl Road include: <ul style="list-style-type: none"> ○ Earthworks-milling and salvaging the existing asphalt ○ Earthworks-salvaging existing base material (caliche) ○ Earthworks-removing existing curb and gutter and driveways ○ GO-Installing 60” RCP from floodway to McColl Rd ○ GO-Installing 30” RCP from floodway to Jackson Rd ○ Lucania preparing structural analysis for pile driving • Inspection from McColl Road to 10th Street includes: <ul style="list-style-type: none"> ○ Lucania - saw cutting concrete bridge for widening at the South Floodway Channel Bridge Main Canals ○ Lucania – installing falsework platform at the Pharr – San Juan Main Bridge in preparation for the 3’ cut-back saw cutting of the bridge deck on the north side of the bridge. ○ GO - completed 6’x 5’truckline crossing at 10th Street ○ GO - 12” waterline - Pending TxDOT approval to utilize the 24” RCP as a casing for the 12” waterline. ○ GO - installing new 12” waterline to McColl Rd. ○ GO - installing 6’x 5’truckline from outfall to 10th St. • Inspection from 23rd St. to 10th St. includes: <ul style="list-style-type: none"> ○ Earthworks – continues excavating, liming subgrade, liming the salvaged caliche (base material) and placing curb & gutter ○ Earthworks - paved Ty “B” and “D” asphalt ○ Austin Traffic Signal - preparing 23rd Street for new signals – drill shafts for the traffic poles have been poured. 	
Tasks 1-3 Construction Management (Post Construction)	0%
<p><u>NO UPDATE:</u></p> <p><i>This task has not begun.</i></p>	

3 – Miscellaneous Technical Activities	28%
<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 coordinating with L&G Utility Coordination Team for compensable and non-compensable adjustments. ▪ B2Z coordinated with AT&T Engineer, Lucy Salinas, to adjusting existing utilities at SE corner of 10th St. ▪ B2Z continues coordination MVEC to relocate power pole on the NE corner of Jackson and Dicker Roads. Earthworks has staked ROW. ▪ B2Z continues to work with McAllen PU to install the 12” waterline ▪ B2Z continues to work with City of McAllen to install new signals at 23rd Street. ▪ B2Z coordinated with Hidalgo County Irrigation District #2 for permitting access requirements at the Main Canal. ▪ B2Z continues to work with City of Hidalgo to reconnect existing lines to the new 12” waterline ▪ B2Z continues to work with property owners to eliminate standing water. 	
4 – Direct Expenses (Mileage)	22%
<p><u>UPDATED:</u></p> <p>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– 3/week ▪ Earthworks Meetings – 1/week ▪ Hidalgo County Precinct No. 2 Status Meetings – 1/month ▪ McAllen PU 12” waterline meetings – 1/week ▪ Utility Meetings – 1/week 	

4 – Direct Expenses (CMT)	28%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z coordinated with TxDOT the testing requirements for bridge elements for test reports verifying fabrication requirements for concrete beams, panels, piles, and steel armor joints ▪ The B2Z Laboratory continues researching approved material producers for the project ▪ Embankment density testing ▪ Subgrade testing (treated and untreated) ▪ Backfill testing of 12” waterline, reinforced concrete pipe and concrete boxes ▪ Sample salvage base material for MD curve ▪ Sample new caliche, flex base stockpile testing ▪ Obtained MD Curve for testing untreated and treated backfill material ▪ Density and moisture tests all passed specification requirements ▪ Sample of lime was obtained for verification testing ▪ Sample of MC30 was obtained for verification testing 	

Supplemental #2 to WA#1

TASK	% Complete
1 - Construction Contract Administration	75%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z continues contract administration coordination activities with Armando Garza (County RPIC), Earthworks (Contractor), TEDSI (Design Engineer), McAllen Public Utilities, City of Hidalgo and TxDOT (Field Engineer). 	

2 – Construction Management & Inspection	
Tasks 1-9 Construction Management (During Construction)	75%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z conducted frequent field and video- conference meetings with the Contractor to ensure schedule adherence. The waterline is nearing completion. ▪ Implementation of the Quality Assurance Plan continues. ▪ B2Z is currently reviewing and processing pay estimates and invoices for the month of May. ▪ B2Z has coordinated field modifications with the MPU, City of Hidalgo and the Contractor. This has eliminated the need for formal RFI's. ▪ B2Z has conducted regular field meetings with Contractor personnel, MPU, and the City of Hidalgo. ▪ There have been no change orders on the water line. 	
Tasks 1-6 Construction Inspection	75%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z conducted daily job-site inspections and documented them in the project diary. ▪ B2Z verified daily pay sheets and ensured project materials met specifications. ▪ B2Z maintained job safety measures, including COVID-19 regulations. ▪ GO-installing new 12" waterline, reconnecting the City of McAllen and City of Hidalgo existing lines at 10th Street. This work has continued to the east of 10th St. 	
Tasks 1-3 Construction Management (Post Construction)	0%
<p><u>NO UPDATE:</u> <i>This task has not begun.</i></p>	

3 – Miscellaneous Technical Activities	75%
<p><u>UPDATED:</u></p> <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 has included all waterline progress into their monthly reports and meetings to RPIC and Commissioner Cantu. 	
4 – Direct Expenses (Mileage)	75%
<p><u>UPDATED:</u></p> <p>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 ▪ MPU Status Meetings ▪ Utility Conflict Meetings 	
4 – Direct Expenses (CMT)	75%
<p><u>UPDATED:</u></p> <p>The Contractor performed activities that required the following CMT testing:</p> <ul style="list-style-type: none"> ▪ Waterline Pipe Backfill ▪ Plasticity Index ▪ Gradation ▪ Moisture/Density ▪ In-place Density 	

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

- Do not add to, or alter this Purchase Order. This Order is not renewable.
- TAX EXEMPTION: This Purchase Order may be accepted in lieu of Exemption Certificate.
- This Order is also placed F.O.B. Destination. Vendor must repay all shipping costs.
- 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.
- 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 0-1315-431-00-122-062-0-721	20,978.66	
		0-1200-431-00-122-062-0-841	89,944.75	
		SCANNED AUG 27 2019		

Authorized by:

Martha Salazar