



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

PO # 803856

0-1315-126-20-000-028-0-000

Req # 400015

\$9,026.73

Invoice

Date	Invoice #
5/1/2020	20224

PO # 803856

0-1315-126-10-000-008-0-000

Req # 400015

\$39,677.92

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

April 2020

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 23,353.55	\$ 1,946.13	\$ 25,299.68	26%	72,006.78
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 15,189.12	\$ 6,328.80	\$ 21,517.92	17%	105,058.10
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 62,849.51	\$ 26,187.29	\$ 89,036.80	17%	434,709.08
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 14,180.88	\$ 1,289.17	\$ 15,470.05	24%	48,988.45
Direct Expenses						
Mileage	\$ 10,569.42	\$ 1,268.33	\$ 528.47	\$ 1,796.80	17%	8,772.62
CMT	\$ 332,938.60	\$ 53,270.18	\$ 13,317.54	\$ 66,587.72	20%	246,350.88
Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>170,111.57</u>	<u>49,597.40</u>	<u>219,708.97</u>		<u>945,772.55</u>
Construction Contract Administration	\$ 20,177.80	\$ -	\$ 5,044.45	\$ 5,044.45	25%	15,133.35
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74	\$ -	\$ 2,041.44	\$ 2,041.44	25%	6,124.30
Tasks 1-6 - Construction Inspection	\$ 22,401.42	\$ -	\$ 5,600.36	\$ 5,600.36	25%	16,801.06
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 1,750.74	\$ -	\$ -	\$ -	0%	1,750.74
Miscellaneous Technical Activities	\$ 3,399.65	\$ -	\$ -	\$ -	0%	3,399.65
Direct Expenses						
Mileage	\$ 1,170.00	\$ -	\$ 292.50	\$ 292.50	25%	877.50
CMT	\$ 32,879.40	\$ -	\$ 8,219.85	\$ 8,219.85	25%	24,659.55
	<u>89,944.75</u>		<u>21,198.60</u>	<u>21,198.60</u>		<u>68,746.15</u>
Total For This Billing Period					\$70,796.00	68,746.15

Work Authorization - Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1	\$1,255,426.27	\$170,111.57	19.19%	\$1,014,518.70

Aisha Gonzalez
Aisha Gonzalez - President

21,198.60
892.75
\$22,091.35

PO # 803856

0-1315-431-00-122-062-0-721

Req # 400015

\$22,091.35

INVOICE RECEIVED BY:

Erika Zamora ON 5/1/20

GOODS/SERVICES RECEIVED BY:

Eduardo Cantu ON 04/01-30/20

\$49,597.40 x 1.8% = \$892.75 (P.O.)
\$49,597.40 x 18.2% = \$9,026.73 (State)
\$49,597.40 x 80% = \$39,677.92 (Federal)

May 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 April 2020 on the subject referenced project.

The following is attached:

- Invoice No. 20224 ✓

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

TASK	% Complete
1 - Construction Contract Administration	26%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z continues with video or telecommunication during the Coronavirus 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 continues to conduct monthly meetings with the Commissioner & County RPIC throughout the construction duration for project updates. ▪ B2Z has managed over \$1,000,000 in cost savings into the Dicker Road project. ▪ 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. ▪ Completed Change Order No. 3 – Received NTP and started installing McAllen PU 12” waterline. B2Z is coordinating with McAllen PU to reconnect the WL to the existing line at the beginning, coordinate with City of Hidalgo to reconnect their existing water line with the new WL. 	

<ul style="list-style-type: none"> ▪ Change Order No. 4 (Approved)– Minimize gravel backfill to bedding only. ▪ Change Order No. 5(Approved)– Detour traffic around Dicker Road, between Jackson and McColl Roads. This is the time to initiate this CO and work because the school is closed due to pandemic and will remain closed until the start of the next school year. ▪ TEDSI (EOR) engineered the pavement reevaluation allowing an asphalt thickness reduction of 1” and a change in detour materials. ▪ Currently negotiating CO #6 with Earthworks reducing pavement thickness and introducing additional cost savings to the Precinct. ▪ CO #6 also included a few plan error adjustments for; (SGT) metal beam guard fence, (4) remove structure (wingwall) at South Floodway Channel bridge and Pharr McAllen Main Canal and remove old 80’ of concrete (rail). ▪ Communicating with the City of McAllen for the signal replacement at 23rd Street, 10th Street, and McColl Road. B2Z has been in communication with the RPIC and the City of McAllen Engineering Dept. to ensure that the signals that will be maintained by the City of McAllen meet their current standards. 	
<p>2 – Construction Management & Inspection</p>	
<p>Tasks 1-9 Construction Management (During Construction)</p>	<p>17%</p>
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z continues to coordinate the Dicker Road NOI with the County. ▪ B2Z has posted three “Large Construction Site Notices” ▪ B2Z is coordinating with HCID#2 for access Permits ▪ B2Z coordinated the salvaging of existing Concrete Pipe, Metal Beam Guard Fence, pedestrian railing, safety end treatments with Pct. #2. ▪ B2Z coordinated the 10-day notice to Department of Health through Pct. #2 to initiate bridge demolition and hazardous material inspection. ▪ Coordinated salvaging signal equipment on 23rd Street with the City of McAllen, to include; controller cabinets, poles, signals, etc. 	

Tasks 1-6 Construction Inspection

17%

UPDATED:

- Earthworks initiated the project limit barricades to start construction on Dicker Road and prepared the ROW by clearing all obstacles.
- B2Z included one month of barricades.
- B2Z conducted commercially useful function (CUF) report on Luciana – Bridge DBE Subcontractor.
- Conducted labor wage rate interviews and provided certification statements with monthly estimate.
- Inspection from Jackson Rd to McColl Street includes:
 - Initiated CO #5, detouring traffic around Dicker Road to reconstruct the entire roadway width
 - Earthworks-milling and salvaging the existing asphalt
 - Earthworks-Salvaging existing base material(caliche)
 - Earthworks-Establishing another PSL behind Walmart
 - Earthworks-Removing existing curb and gutter and driveways
 - Lucania-Remove bridge concrete and pedestrian railing
 - Lucania-Saw cutting bridge sides for piles, widening and beams
 - GO-Installing 60” RCP from floodway to McColl
- Inspection from McColl to 10th Street includes:
 - Lucania-Removing concrete and pedestrian railing at the Main Canals
 - Lucania-Placed concrete barrier for the north side bridge widening
 - GO-Crossed 10th Street with 6’x5’truckline and 12” WL
 - GO-Installing new 12” WL, reconnecting the City of McAllen and City of Hidalgo existing lines at 10th Street
 - GO-Installing 6’x5’truckline to outfall at the Main Canal.
- Inspection from 10th St. to 23rd St. includes:
 - Earthworks – Continues excavating, liming subgrade, liming the salvaged caliche (base material) and placing curb & gutter
 - Earthworks-Will prime and pave this section in May
 - Austin Traffic Signal-Preparing 23rd Street for new signals
 - GO Underground –Completed irrigation crossing. All storm sewer, inlets and manholes are completed.

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	24%
<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 continues coordinating AT&T Engineer, Joe Cantu, adjusting existing utilities between 10th St and Jackson Road. ▪ 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 Precinct No. 2, Hidalgo County Irrigation District #2 for permits, McAllen PU for the new waterline, the City of Hidalgo for the waterline and the City of McAllen to install new signals. 	
4 – Direct Expenses (Mileage)	17%
<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 ▪ Hidalgo County Precinct No. 2 Status Meetings ▪ Utility Conflict Meetings 	
4 – Direct Expenses (CMT)	20%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z continues dialogue and coordinated payment for testing bridge elements with TxDOT to produce test reports for beams, panels, piles and armor joints. 	

<ul style="list-style-type: none"> ▪ The B2Z Laboratory continues sourcing material producers for the project for testing requirements. ▪ MD Curve obtained on untreated backfill material. Both density and moisture tests conducted have all passed. ▪ Sample of salvage base material for MD curve. ▪ Sample of lime has been obtained for verification testing. ▪ Subgrade testing (treated and untreated) ▪ Embankment testing ▪ Flex base Stockpile testing 	
--	--

Supplemental #2 to WA#1

TASK	% Complete
1 - Construction Contract Administration	25%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z reviewed project plans, general notes, general conditions, and interlocal agreements. ▪ B2Z conducted a pre-construction meeting with all stakeholders prior to commencing construction on the waterline. ▪ Received NTP and started installing McAllen PU 12” waterline. B2Z is coordinating with McAllen PU to reconnect the WL to the existing line at the beginning, coordinate with City of Hidalgo to reconnect their existing water line with the new WL ▪ 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)	25%
<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. ▪ B2Z is implementing the QAP. 	

<ul style="list-style-type: none"> ▪ B2Z is currently reviewing and processing pay estimates and invoices for the month of April. 	
<p>Tasks 1-6 Construction Inspection</p>	25%
<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” WL, reconnecting the City of McAllen and City of Hidalgo existing lines at 10th Street 	
<p>Tasks 1-3 Construction Management (Post Construction)</p>	0%
<p><u>NO UPDATE:</u> <i>This task has not begun.</i></p>	
<p>3 – Miscellaneous Technical Activities</p>	0%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z commenced 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. 	
<p>4 – Direct Expenses (Mileage)</p>	25%
<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)	25%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none">▪ Waterline Pipe Backfill<ul style="list-style-type: none">○ 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 1315-431-00-122-062-0-721		20,978.66

SCANNED
AUG 27 2019

Authorized by:

Martha Salazar