



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

Invoice

Date	Invoice #
7/1/2020	20237

PO # 803856  
0-1315-431-00-122-062-0-721  
Req # 400015  
\$ 953.48

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

PO # 803856  
0-1300-431-00-122-062-0-841  
Req # 400015  
\$ 13,229.10

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

B2Z JOB: 2302  
PO # 803856

Billing Period June 2020

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 27,245.81	\$ -	\$ 27,245.81	28%	70,060.65
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 27,846.72	\$ 7,594.57	\$ 35,441.29	28%	91,134.73
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 115,224.09	\$ 31,424.76	\$ 146,648.85	28%	377,097.03
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 18,048.39	\$ -	\$ 18,048.39	28%	46,410.11
Direct Expenses						
Mileage	\$ 10,569.42	\$ 2,325.27	\$ 634.17	\$ 2,959.44	28%	7,609.98
CMT	\$ 332,938.60	\$ 93,222.81	\$ 13,317.54	\$ 106,540.35	32%	226,398.25
Supplemental #2 to Work Authorization #1	1,165,481.52	283,913.09	52,971.04	336,884.13		828,597.39
Construction Contract Administration	\$ 20,177.80	\$ 15,133.35	\$ 3,026.67	\$ 18,160.02	90%	2,017.78
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74	\$ 6,124.31	\$ 1,224.86	\$ 7,349.17	90%	816.57
Tasks 1-6 - Construction Inspection	\$ 22,401.42	\$ 16,801.07	\$ 3,360.21	\$ 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	\$ 2,549.74	\$ 509.95	\$ 3,059.69	90%	339.96
Direct Expenses						
Mileage	\$ 1,170.00	\$ 877.50	\$ 175.50	\$ 1,053.00	90%	117.00
CMT	\$ 32,879.40	\$ 24,659.55	\$ 4,931.91	\$ 29,591.46	90%	3,287.94
<b>Total For This Billing Period</b>	<b>89,944.75</b>	<b>166,145.52</b>	<b>13,229.10</b>	<b>19,374.62</b>		<b>10,570.13</b>
						<b>\$66,200.14</b>

Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1	\$1,255,426.27	\$350,058.61	33.16%	\$839,167.52

Aisha Gonzalez - President

PO # 803856  
0-1315-126-20-122-028-0-000  
Req # 400015

INVOICE RECEIVED BY:  
Esther Perez ON 07/01/20

GOODS/SERVICES RECEIVED BY:  
Eduardo Cantu ON 06/01-30/20

\$ 9,640.73

\$ 52,971.04 x 1.8% = \$ 953.48 (P.O.)  
\$ 52,971.04 x 18.2% = \$ 9,640.73 (state)  
\$ 52,971.04 x 80% = \$ 42,376.83 (federal)

July 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 June 2020 on the subject referenced project.

The following is attached:

- Invoice No. 20237

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

<b>TASK</b>	<b>% Complete</b>
<b>1 - Construction Contract Administration</b>	<b>28%</b>
<p><b>UPDATED:</b></p> <ul style="list-style-type: none"><li>▪ B2Z continues managing video and telecommunication business during the COVID-19 epidemic to minimize personal contact and practice social distancing. Field personnel meet face to face to communicate daily construction and business.</li><li>▪ B2Z continues coordinating the contract administration activities with Armando Garza (County RPIC), Earthworks (Contractor), TEDSI (Design Engineer), McAllen PU and TxDOT (Field Engineer).</li><li>▪ B2Z conducts monthly meetings with the Commissioner &amp; County RPIC throughout the construction duration for project updates.</li><li>▪ B2Z coordinates compensable utility adjustments with L&amp;G to minimize contractor down time, reduce the scope of work, reduce expenses, and eliminate unnecessary adjustments. B2Z continues to explore the construction contract utility adjustments and cost savings for Pct#2.</li><li>▪ CO #6 was approved, value engineering the designed pavement thickness to introduce another cost saving opportunity for the Project.</li></ul>	

<ul style="list-style-type: none"> <li>▪ B2Z continues communication with the City of McAllen to relocate the median pole perpendicular to the new pole location on the northeast corner. The next change order #7 will include the new drill shaft, additional wiring, and reuse of the existing pole as originally planned. McAllen agreed to establish a maintenance agreement with the County to maintain signal at 10<sup>th</sup> Street and McColl.</li> <li>▪ City of McAllen will enter into a maintenance agreement with Hidalgo County for the signal maintenance at 10<sup>th</sup> Street, McColl Road, and Jackson Road.</li> <li>▪ Six change orders have been prepared for Precinct #2, represent valued engineering savings of over \$1,000,000 for the project.</li> </ul>	
<p><b>2 – Construction Management &amp; Inspection</b></p>	
<p><b>Tasks 1-9 Construction Management (During Construction)</b></p>	<p><b>28%</b></p>
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"> <li>▪ B2Z is currently reviewing and processing pay estimates and invoices for the month of June.</li> <li>▪ B2Z conducted commercially useful function (CUF) report on Luciana – Bridge DBE Subcontractor.</li> <li>▪ Conducted labor wage rate interviews and provided certification statements with monthly estimate.</li> <li>▪ Implementation of the Quality Assurance Plan continues.</li> <li>▪ B2Z coordinated the Dicker Road NOI with the County.</li> <li>▪ B2Z coordinated subcontractor approvals with the County.</li> <li>▪ B2Z posted three “Large Construction Site Notice” for storage.</li> <li>▪ B2Z coordinates with Pct. #2 to salvage removed concrete pipe, metal beam guard fence, pedestrian railing, safety end treatments.</li> <li>▪ B2Z has conducted regular field meetings with Contractor personnel, MPU, and the City of Hidalgo.</li> <li>▪ B2Z has coordinated field modifications with the MPU, City of Hidalgo and the Contractor. This has eliminated the need for formal RFI’s.</li> <li>▪ B2Z conducted frequent field and video- conference meetings with the Contractor to ensure schedule adherence. The waterline is nearing completion.</li> </ul>	

<ul style="list-style-type: none"> <li>▪ Implementation of the Quality Assurance Plan continues.</li> <li>▪ B2Z is currently reviewing and processing pay estimates and invoices for the month of June.</li> </ul>	
<p><b>Tasks 1-6 Construction Inspection</b></p>	<p><b>28%</b></p>
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"> <li>▪ B2Z conducted and documented daily job-site inspections in the project diary.</li> <li>▪ B2Z verified daily pay sheets and ensured project materials met specifications.</li> <li>▪ B2Z maintained job safety measures, including COVID-19 regulations.</li> </ul> <p><b><u>UPDATED:</u></b></p> <p><b>Construction from Jackson Road to McColl Road (Road Closed) include:</b></p> <ul style="list-style-type: none"> <li>▪ Earthworks - Salvaged existing base material (caliche)</li> <li>▪ Earthworks - Removed existing curb and gutter</li> <li>▪ Earthworks - Removing existing driveways and drainage pipe</li> <li>▪ Earthworks - Excavating subgrade</li> <li>▪ Earthworks - Liming subgrade</li> <li>▪ GO - Completed 60" RCP from Floodway Bridge outfall to McColl Rd</li> <li>▪ GO – Installing 54" RCP from Floodway Bridge outfall to McColl Rd</li> <li>▪ GO - Completed 30" &amp; 24" RCP from Floodway Bridge outfall to Jackson Rd</li> <li>▪ Lucania &amp; Gregory - Completed all of piles at Floodway Bridge</li> <li>▪ Lucania &amp; Gregory - Poured one abutment at Floodway Bridge</li> </ul> <p><b>Inspection from McColl Road to 10<sup>th</sup> Street (Road Open) includes:</b></p> <ul style="list-style-type: none"> <li>▪ Lucania &amp; Gregory– Driving piles at Irrigation Main Canals</li> <li>▪ GO – Installing 6'x5' &amp; 6'x6' truckline from 10<sup>th</sup> St. to the outfall at the Irrigation Canal</li> <li>▪ GO – Installing 54" truckline from the Floodway Canal across McColl</li> <li>▪ Austin Traffic Signal - preparing 10<sup>th</sup> Street for new signals – Drill shafts and poles are installed.</li> </ul> <p><b>Inspection from 23<sup>rd</sup> St. to 10<sup>th</sup> Street (Road Closed) includes:</b></p> <ul style="list-style-type: none"> <li>▪ Earthworks – Completed 2/3 of the roadway, including Ty "B" and "D" asphalt, excavation, limed subgrade, limed salvage caliche (base material), curb &amp; gutter and driveways.</li> </ul>	

<ul style="list-style-type: none"> <li>▪ Earthworks – Pending roadway asphalt for complete this section.</li> <li>▪ Austin Traffic Signal - preparing 23<sup>rd</sup> Street and 10<sup>th</sup> Street for new signals – Drill shafts and poles have been installed.</li> </ul>	
<p><b>Tasks 1-3 Construction Management (Post Construction)</b></p>	<p><b>0%</b></p>
<p><b><u>NO UPDATE:</u></b> <i>This task has not begun.</i></p>	
<p><b>3 – Miscellaneous Technical Activities</b></p>	<p><b>28%</b></p>
<p><b><u>UPDATED:</u></b> B2Z is coordinating the action to adjust conflicting utilities that will impact the proposed construction.</p> <ul style="list-style-type: none"> <li>▪ B2Z continues to work with property owners for complaints.</li> <li>▪ B2Z continues coordinating with L&amp;G Utility Team to identify compensable and non-compensable utilities and adjustments.</li> <li>▪ 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.</li> <li>▪ B2Z coordinated with AT&amp;T Engineer, Lucy Salinas, identifying existing utilities east of 10th St.</li> <li>▪ B2Z coordinated with Spectrum, identifying existing utilities east of 10th St.</li> <li>▪ B2Z continues coordinating with MVEC to relocate power pole on the NE corner of Jackson and Dicker Roads.</li> <li>▪ B2Z continues to work with City of McAllen to install signals at 23rd Street.</li> <li>▪ B2Z coordinated with Hidalgo County Irrigation District #2 for access requirements at the Main Canal.</li> </ul>	

<b>4 – Direct Expenses (Mileage)</b>	<b>28%</b>
<p><b><u>UPDATED:</u></b></p> <p>B2Z has conducted the following activities that required vehicle travel:</p> <ul style="list-style-type: none"> <li>▪ Superintendent/Inspector job-site inspections - daily</li> <li>▪ Project Manager site visits – 3/week</li> <li>▪ Laboratory Inspector testing– daily</li> <li>▪ Earthworks Meetings – 1/week</li> <li>▪ Hidalgo County Precinct No. 2 Status Meetings – 1/month</li> <li>▪ McAllen PU 12” Waterline meetings – 1/week</li> <li>▪ Hidalgo County Irrigation District #2 – 1/week</li> <li>▪ L&amp;G Utility Meetings – 1/week</li> </ul>	
<b>4 – Direct Expenses (CMT)</b>	<b>32%</b>
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"> <li>▪ B2Z continues with pile driving requirements and concrete testing requirements for bridge elements including concrete beams, panels, piles, and steel armor joints</li> <li>▪ The B2Z Laboratory continues to verify TxDOT material producers that are approved for the project</li> <li>▪ Sampled embankment for moisture density (MD) testing</li> <li>▪ Sampled salvage and new base material for stockpiling and moisture density curve</li> <li>▪ Sampled subgrade and base material for MD requirements (treated and untreated)</li> <li>▪ Backfill testing of 12” waterline, reinforced concrete pipe and concrete boxes</li> <li>▪ Lime Sample was obtained for material verification testing</li> <li>▪ MC30 Sample was obtained for material verification testing</li> </ul>	

**Supplemental #2 to WA#1**

TASK	% Complete
<b>1 - Construction Contract Administration</b>	<b>90%</b>
<p><b>UPDATED:</b></p> <ul style="list-style-type: none"> <li>▪ 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).</li> <li>▪ Earthworks completed installing the McAllen PU 12” waterline from 23<sup>rd</sup> Street to McColl, pending one 10<sup>th</sup> Street crossing and to pressure test the line.</li> </ul>	
<b>2 – Construction Management &amp; Inspection</b>	
<b>Tasks 1-9 Construction Management (During Construction)</b>	<b>90%</b>
<p><b>UPDATED:</b></p> <ul style="list-style-type: none"> <li>▪ B2Z conducted frequent field and video- conference meetings with the Contractor to ensure schedule adherence. The waterline is nearing completion.</li> <li>▪ Implementation of the Quality Assurance Plan continues.</li> <li>▪ B2Z is currently reviewing and processing pay estimates and invoices for the month of June including the waterline CO.</li> <li>▪ B2Z has coordinated field modifications with the MPU, City of Hidalgo and the Contractor. This has eliminated the need for formal RFI’s.</li> <li>▪ B2Z has conducted regular field meetings with Contractor personnel, MPU, and the City of Hidalgo.</li> <li>▪ There have been no change orders on the water line.</li> <li>▪ B2Z includes waterline progress reports into their monthly reports and meetings to RPIC and Commissioner Cantu.</li> </ul>	

<b>Tasks 1-6 Construction Inspection</b>	<b>90%</b>
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"> <li>▪ B2Z conducted daily job-site inspections and documented them in the project diary.</li> <li>▪ B2Z verified daily pay sheets and ensured project materials met specifications.</li> <li>▪ B2Z maintained job safety measures, including COVID-19 regulations.</li> <li>▪ B2Z continues to coordinate with McAllen PU installing the 12” waterline.</li> <li>▪ 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 10<sup>th</sup> St.</li> <li>▪ GO - Completed 12” waterline across McColl Rd.</li> <li>▪ GO - 12” Waterline – Tested line in between 23<sup>rd</sup> to 10<sup>th</sup> Street, pending a TxDOT approval to run the 12” waterline under 10<sup>th</sup> St. using an abandoned 24” RCP casing to not interfering with traffic by open cutting to install.</li> </ul>	
<b>Tasks 1-3 Construction Management (Post Construction)</b>	<b>0%</b>
<p><b><u>NO UPDATE:</u></b> <i>This task has not begun.</i></p>	
<b>3 – Miscellaneous Technical Activities</b>	<b>90%</b>
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"> <li>▪ 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.</li> </ul>	

<b>4 – Direct Expenses (Mileage)</b>	<b>90%</b>
<p><b><u>UPDATED:</u></b>  B2Z has conducted the following activities that required vehicle travel:</p> <ul style="list-style-type: none"> <li>▪ Superintendent/inspector job-site inspections - daily</li> <li>▪ Project Manager site visits – 3/week</li> <li>▪ MPU Status Meetings</li> <li>▪ Utility Conflict Meetings</li> </ul>	
<b>4 – Direct Expenses (CMT)</b>	<b>90%</b>
<p><b><u>UPDATED:</u></b>  The Contractor performed activities that required the following CMT testing:</p> <ul style="list-style-type: none"> <li>▪ Waterline Pipe Backfill</li> <li>▪ Plasticity Index</li> <li>▪ Gradation</li> <li>▪ Moisture/Density</li> <li>▪ In-place Density</li> </ul>	

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

Sincerely,

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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
		<b>TOTAL:</b>		20,978.66
		***** 0 For Hidalgo County use only -1315-431-00-122-062-0-721 20,978.66 0-1200-431-00-122-062-0-841 \$ 89,944.75		
		<b>SCANNED</b> AUG 27 2019		

Authorized by:

*Martha Salazar*  
ms