

# B2Z ENGINEERING

## Invoice

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

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

Date	Invoice #
11/2/2020	20264

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

$\$1,040.04$   
 $\$426.00$  from P.O.  
 $\$614.04$  pay direct

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

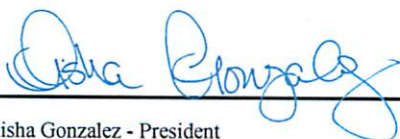
B2Z JOB: 2302  
PO # 803856

Billing Period October 2020

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 47,680.17	\$ 4,865.32	\$ 52,545.49	54%	44,760.97
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 62,022.25	\$ 6,328.80	\$ 68,351.05	54%	58,224.97
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 256,635.48	\$ 26,187.30	\$ 282,822.78	54%	240,923.10
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 31,584.68	\$ 3,222.92	\$ 34,807.60	54%	29,650.90
Direct Expenses						
Mileage	\$ 10,569.42	\$ 5,179.02	\$ 528.47	\$ 5,707.49	54%	4,861.93
CMT	\$ 332,938.60	\$ 163,139.91	\$ 16,646.93	\$ 179,786.84	54%	153,151.76
Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>566,241.51</u>	<u>57,779.74</u>	<u>624,021.25</u>		<u>541,460.27</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						\$57,779.74

### Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1	\$1,255,426.27	\$645,616.13	56.03%	\$552,030.40

  
Aisha Gonzalez - President

$\$57,779.74 \times 1.8\% = \$1,040.04$  (P.O.)  
 $\$57,779.74 \times 18.2\% = \$10,515.91$  (state)  
 $\$57,779.74 \times 80\% = \$46,223.79$  (federal)

INVOICE RECEIVED BY:  
Elizabeth Alvarez ON 11/2/20  
GOODS/SERVICES RECEIVED BY:  
Eddie Cantu ON 10/01-31/20

PO # 803856  
Req # 400015  
 $\$10,515.91$   
 $\$46,223.79$



November 2, 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 October 2020 on the subject referenced project.

The following is attached:

- Invoice No. 20264

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

TASK	% Complete
<b>1 - Construction Contract Administration</b>	<b>55%</b>
<p><b><u>UPDATED:</u></b> B2Z conducted our last Precinct #2 informal status meeting on October 23<sup>rd</sup>, 2020 via teleconference to discuss a few concerns both Precinct #2 and Contractor had moving forward with the work. A formal meeting was also conducted on October 28<sup>th</sup> and the attendees included Commissioner Cantu, Armando Garza (RPIC), Erika Zamora, Jorge Hinojosa, Roy Garcia. The B2Z staff included Saul Munoz, Stanley Ramos, Carlos Del Angel and Karina Munoz. B2Z continued maintaining daily communication with Precinct #2 personnel to discuss contractors progress, the project controls, and the Precinct concerns.</p> <p>The last Critical Path schedule showed the Project to be completed by June 3, 2021.</p> <p>B2Z is working closely with the County, the Contractor 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 Mrs. Nayelay Parra (TxDOT Field Engineer). Mr. Parra will serve as the new TxDOT RPIC, replacing by Mr. Francisco Cantu as the new TxDOT RPIC.</p> <p>B2Z completed all the major compensable utility adjustments with L&amp;G, the Engineer of Record. The final adjustments relocate a few poles on the east side of Jackson Blvd. 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. Four of the six change orders introduced a savings of over -\$1,253,659.83 for Hidalgo County. The next change order #7 will include; 1) the relocation an existing signal pole at 23<sup>rd</sup> 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. Change Order #7 will also include a cost savings of over -\$600,000.00.</p>	
<p><b>2 – Construction Management &amp; Inspection</b></p>	
<p><b>Tasks 1-9 Construction Management (During Construction)</b></p>	<p><b>55%</b></p>
<p><b><u>UPDATED:</u></b>  B2Z is currently reviewing invoices and processing pay estimates for the month of October.</p> <p>B2Z continues to coordinate new subcontractor approvals with the County.</p> <p>B2Z did not require commercially useful function (CUF) interviews this month.</p> <p>B2Z was not require conducting labor wage rate interviews this month.</p>	

<p>B2Z continues Implementation of the Quality Assurance Plan.</p> <p>B2Z provided contractor certification statements with each monthly estimate.</p> <p>B2Z continues coordinating the Dicker Road Notice of Intent (NOI) with TECQ and the County.</p> <p>B2Z conducts regular field meetings to coordinate daily work and to introduce field modifications with contractor personnel, McAllen Public Utility, the City of McAllen, the City of Hidalgo, and utility owner/coordinators. This coordination eliminated the need for many formal RFI's.</p> <p>The McAllen PU waterline is complete, installed from 23<sup>rd</sup> Street to the McColl Road. McAllen PU, Carlos Gonzalez and Erica Gomez met with B2Z to discuss the remaining work, reconcile the remaining items and use the remaining funds for any additional work. McAllen expressed interest in continuing the line across McColl Road and interest in getting as close to the Main Canal as possible using a change order to add the work.</p>	
<p><b>Tasks 1-6 Construction Inspection</b></p>	<p><b>55%</b></p>
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"> <li>▪ B2Z conducts daily job-site inspections and documents the construction progress in the project diary.</li> <li>▪ B2Z prepared daily pay sheets for all work performed.</li> <li>▪ B2Z assured that all materials used within the project meet specifications.</li> <li>▪ B2Z assured most of the safety measures were being followed for proper personal protection equipment (PPE), for proper vehicular safety, and for proper COVID-19 requirements in the field.</li> <li>▪ B2Z assured proper trench protection by using sloped banks, using trench boxes and sheet piling to install the 9x7 RCB boxes at the Main Canal.</li> <li>▪ B2Z assured traffic safety by verifying the proper project barricading was in place as established by the plans. B2Z barricade inspections include one day and one-night inspection each month</li> </ul>	

**UPDATED:**

**Traffic Control:** The original traffic control plan was modified to expedite construction. The revised plan eliminated the Phased construction, closed long segments of Dicker Road for full width construction, while detouring traffic around the construction. The traffic control is broken down into three Phases.

- Phase I - Dicker Road is closed to traffic between 23rd and 10th Street opened to full width construction. This segment is currently 90% complete, pending striping and signs. This segment will be ready to open in November.
- Phase II - Dicker Road is closed between McColl and Jackson Road to full construction.
- Phase III - Dicker Road can be closed to traffic between 10th Street and McColl Road after either Phase I or II is complete and open up above.

**UPDATED:**

**Construction between Jackson Road to McColl Road (Road Closed) include:**

- Earthworks - Liming salvage and new base approaches to the bridges.
- 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 – Placed 4” of Ty B hot mix between Floodway and Jackson.
- 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

**Construction from McColl Road to 10<sup>th</sup> Street (Road Open) includes:**

- Lucania – North side bridge deck at the Main Canal Bridge
- Lucania – North side rail at the Main Canal Bridge
- Lucania – Final finish for structures.
- GO – Installing between Main Canal to 10<sup>th</sup> St.
- GO – Installing 36” RCP inlets and manholes between McColl and the Main Canal
- GO – Installing 9x7 RCB at the Main Canal
- Austin Traffic Signal – Installing new poles and pedestrian elements at 10<sup>th</sup> Str.

<p><b>Construction 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 half of the “D” asphalt,</li> <li>▪ Earthworks – Primed flex base again, preparing for hot mix</li> <li>▪ Earthwork – Preparing to install signs and striping Dicker to traffic.</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>55%</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 closely with property owners to provide information and to respond to complaints.</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 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>	
<p><b>4 – Direct Expenses (Mileage)</b></p>	<p><b>55%</b></p>
<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>▪ 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>55%</b>
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"> <li>▪ B2Z continues with concrete testing requirements for bridge elements including concrete beams, panels, piles, and steel armor joints</li> <li>▪ The B2Z Laboratory continues to monitor and verify TxDOT material producers that are approved for the project</li> <li>▪ B2Z continues to monitor TxDOT’s approves of concrete and hot mix designs</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 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> <li>▪ Sampled raw Cement - used in the Class A concrete for curb and gutter.</li> </ul>	

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

<b>TASK</b>	<b>% Complete</b>
<b>1 - Construction Contract Administration</b>	<b>95%</b>
<p><b><u>NO UPDATE:</u></b> Meeting with Carlos Gonzalez and Erica Gomez October 23, 2020 to discuss status of the project and introduce any changes before closing out the change order. The line starts at 23<sup>rd</sup> and crosses 10<sup>th</sup> Street stopping at the irrigation Main Canal between 10<sup>th</sup> and McColl Rd. It starts up again on the east side of the Main Canal and stops at McColl Rd. McAllen PU request to add a few changes to the original plans to extend the line across McColl Rd. and to extend both lines as close to the Main Canal as possible. Precinct #2 and B2Z will work with McAllen PU to extend and install as much of the water line as possible before closing out the change order.</p>	

<b>2 – Construction Management &amp; Inspection</b>	
<b>Tasks 1-9 Construction Management (During Construction)</b>	<b>90%</b>
<b><u>NO UPDATE:</u></b> Pending changes requested by McAllen PU.	
<b>Tasks 1-6 Construction Inspection</b>	<b>90%</b>
<b><u>NO UPDATE:</u></b> Pending changes requested by McAllen PU.	
<b>Tasks 1-3 Construction Management (Post Construction)</b>	<b>50%</b>
<b><u>NO UPDATE:</u></b> B2Z started reconciling all the Change Order quantities in order to initiate the final as built set of plans.	
<b>3 – Miscellaneous Technical Activities</b>	<b>90%</b>
<b><u>NO UPDATE:</u></b> Pending changes requested by McAllen PU.	
<b>4 – Direct Expenses (Mileage)</b>	<b>90%</b>
<b><u>NO UPDATE:</u></b> Pending changes requested by McAllen PU.	
<b>4 – Direct Expenses (CMT)</b>	<b>90%</b>
<b><u>NO UPDATE:</u></b> Pending changes requested by McAllen PU.	

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

Sincerely,

A handwritten signature in blue ink, appearing to be 'CD', is written over a horizontal line.

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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**

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
		<b>TOTAL:</b>		20,978.66
		***** For Hidalgo County use only 9-1315-431-00-122-062-0-721		20,978.66

**SCANNED**  
AUG 27 2019

Authorized by:

*Martha Salazar*