

# B<sup>2</sup>Z ENGINEERING

## Invoice

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

Date	Invoice #
6/1/2021	20294

PO # 803856  
1 - 1315-431-00-122-062-0-721  
Req # 400015  
paydirect → \$624.02

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  
1 - 1200-431-00-122-062-0-841  
Req # 400015

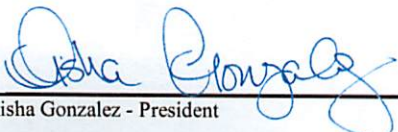
B2Z JOB: 2302  
PO # 803856 ✓

Billing Period May 2021 ✓ \$ 734.04

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46 ✓	\$ 75,899.04 ✓	\$ 2,919.19 ✓	\$ 78,818.23 ✓	81%	18,488.23
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02 ✓	\$ 98,729.30 ✓	\$ 3,797.28 ✓	\$ 102,526.58 ✓	81%	24,049.44
Tasks 1-6 - Construction Inspection	\$ 523,745.88 ✓	\$ 408,521.79 ✓	\$ 15,712.37 ✓	\$ 424,234.16 ✓	81%	99,511.72
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64 ✓	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50 ✓	\$ 50,277.64 ✓	\$ 1,933.76 ✓	\$ 52,211.40 ✓	81%	12,247.10
Direct Expenses						
Mileage	\$ 10,569.42 ✓	\$ 8,244.15 ✓	\$ 317.08 ✓	\$ 8,561.23 ✓	81%	2,008.19
CMT	\$ 332,938.60 ✓	\$ 259,692.11 ✓	\$ 9,988.16 ✓	\$ 269,680.27 ✓	81%	63,258.33
Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>901,364.03</u>		<u>936,031.87</u>		
Construction Contract Administration	\$ 20,177.80 ✓	\$ 19,976.02 ✓	\$ 201.78 ✓	\$ 20,177.80 ✓	100%	0
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74 ✓	\$ 8,084.08 ✓	\$ 81.66 ✓	\$ 8,165.74 ✓	100%	0
Tasks 1-6 - Construction Inspection	\$ 22,401.42 ✓	\$ 22,177.41 ✓	\$ 224.01 ✓	\$ 22,401.42 ✓	100%	0
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 1,750.74 ✓	\$ 1,383.08 ✓	\$ 192.59 ✓	\$ 1,575.67 ✓	90%	175.07
Miscellaneous Technical Activities	\$ 3,399.65 ✓	\$ 3,365.65 ✓	\$ 34.00 ✓	\$ 3,399.65 ✓	100%	0
Direct Expenses						
Mileage	\$ 1,170.00 ✓	\$ 1,170.00 ✓	\$ -	\$ 1,170.00 ✓	100%	0
CMT	\$ 32,879.40 ✓	\$ 32,879.40 ✓	\$ -	\$ 32,879.40 ✓	100%	0
	<u>89,944.75</u>	<u>89,035.64</u>	<u>35,401.88</u>	<u>89,769.68</u>		<u>229,624.72</u>
Total For This Billing Period						\$35,401.88

### Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1 & Supp 2	\$1,255,426.27 ✓	\$990,399.67 ✓	81.71%	\$229,624.72 ✓

  
Aisha Gonzalez - President

INVOICE RECEIVED BY:  
Sandy Suarez ON 06/02/21  
GOODS/SERVICES RECEIVED BY:  
Eddie Cantu ON 05/01-31/21

\$34,667.84 x 1.8% = \$624.02  
\$34,667.84 x 18.2% = \$6,309.55  
\$34,667.84 x 80% = \$27,734.27

06/01/21

PO # N/A  
 Req # 1-1315-126-20-122-028-0-000  
 \$41,309.55  
 PO # N/A  
 Req # 1-1315-126-10-122-008-0-000  
 \$27,734.29

June 1, 2021

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 2021 on the subject referenced project.

The following is attached:

- Invoice No. 20294

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

TASK	% Complete
<b>1 - Construction Contract Administration</b>	<b>81%</b>
<p><b><u>UPDATED:</u></b> B2Z conducted a formal status meeting on May 12<sup>th</sup>, 2021 with the Precinct #2 staff to discuss status of the project with respect to construction, time charges, subcontractor's performance, plan changes, plan errors, residential concerns, and additional work on Dicker Road. The attendees of the meeting included Armando Garza (RPIC), Ms. Erika Zamora and Jorge Hinojosa. The B2Z staff included Saul Muñoz, Jesse Ozuna, Stanley Ramos, David Rivera, and Karina Muñoz. It was discussed that funding was available to include sidewalk on the entire project.</p> <p>B2Z also provided updated information on the contractor's progress, the pending utility adjustments, and changes as required by the project. The new McAllen 12" waterline is installed from 23<sup>rd</sup> Street to the McColl intersection. It does cross the Pharr Main Canal, and McAllen PU is not requesting additional work. Precinct #2 requested the contract be closed out with McAllen.</p> <p>Earthworks provided Critical Path Method (CPM) schedules for March and April 2021 schedules. The latest schedule showed an early completion date of September 2021.</p>	

<p>B2Z staff and office personnel are no longer required to wear facemasks or practice social distancing according to CDC rules. The office continues managing business by cell phone, video conferencing, and now in person meetings. The field personnel continue the daily business by cell phone and face to face to discuss work, payment for work, pay discrepancies, field and laboratory testing, public complaints/concerns, and business concerns.</p> <p>B2Z continues coordinating contract administration activities with Armando Garza (County RPIC), Earthworks (Contractor), TEDSI (Design Engineer), McAllen Public Utility (New Waterline), City of McAllen (Signal Maintenance), City of Hidalgo (New Waterline), Hidalgo County Drainage District #1(Culvert Crossing), Hidalgo County Irrigation District #2(Irrigation Lines) and Ms. Nayelay Parra (TxDOT RPIC).</p> <p>B2Z has been very successful identifying cost savings within the project for Pct#2. Their vast experiences and innovative thinking reduced the initial construction costs without changing the design of the project. To date, seven change orders have been approved for Dicker Road, totaling -\$834,204.56. Five cost savings change orders identified by B2Z, one plan error change order and the additional work request by McAllen PU for the 12” waterline. B2Z continues to provide quality inspection while exploring for additional savings opportunities for Precinct #2. B2Z mentioned that additional funding is available to place sidewalk over the entire project.</p> <p>B2Z works very closely with the Precinct #2, the Contractor, and the Engineer of Record to ensure that all change orders and utility adjustments are included into the final Dicker Road as-built plans.</p>	
<p><b>– Construction Management &amp; Inspection</b></p>	
<p><b>Tasks 1-9 Construction Management (During Construction)</b></p>	<p><b>81%</b></p>
<p><b><u>UPDATED:</u></b>  B2Z is currently reviewing invoices and processing pay estimates for the month of May 2021.</p> <p>B2Z continues to implement the Quality Assurance Plan. B2Z has completed the 30% and 60% audits.</p> <p>B2Z provided contractor certification statements with each monthly estimate.</p>	

<p>B2Z coordinated the Dicker Road Notice of Intent (NOI) with TECQ and the County.</p> <p>B2Z coordinated the new subcontractor approvals with the County.</p> <p>B2Z is working closely with the Contractor and Subcontractors to coordinate weekly work schedules ahead of material deliveries.</p> <p>B2Z conducts regularly scheduled field meetings with the Hidalgo County Drainage District, the McAllen Public Utility, the City of McAllen, the City of Hidalgo, and Utility Owners to discuss change orders, utility adjustments/impacts and the work in progress. This eliminates the need for many formal RFI's.</p> <p>The McAllen PU waterline is complete between 23<sup>rd</sup> Street &amp; McColl Road.</p> <p>Earthworks identified two fire hydrants that needed repair. McAllen PU indicated that they would pay for the repair and coordinate with the City of Hidalgo.</p>	
<p><b>Tasks 1-6 Construction Inspection</b></p>	<p><b>81%</b></p>
<p><b><u>UPDATED:</u></b></p> <p><b><u>B2Z Inspections:</u></b></p> <ul style="list-style-type: none"> <li>▪ B2Z prepared daily pay sheets for all work performed.</li> <li>▪ B2Z conducts daily job-site inspections and documents the construction progress in the project diary.</li> <li>▪ B2Z barricade inspections include one-day and one-night inspections each month. The contractor is required to address deficiencies as soon as possible.</li> <li>▪ B2Z performs the bi-monthly SW3P reports indicating compliance.</li> <li>▪ B2Z assures traffic safety by verifying that the proper project barricading is in place, as established by the plans or by change order.</li> <li>▪ B2Z assures that all safety measures are being followed for proper personal protection equipment (PPE), proper vehicular safety, proper fall protection equipment and any COVID-19 requirements in the field or offices.</li> <li>▪ B2Z assures that the proper trench protection is being used with either a trench box or by sloping back. Protection included sheet piling to hold back embankment while installing the 9'x7' and 7'x5' Concrete boxes at the edge of the Main Canal.</li> <li>▪ B2Z assured that all materials deliver to and used within the project met the project specifications.</li> </ul>	

<p><b><u>UPDATED:</u></b></p> <p><b><u>Traffic Control:</u></b>  The original traffic control plan was modified to expedite the Dicker Road construction. The revised traffic control plans closed long segments of Dicker Road, while detouring traffic around the construction. The traffic control was broken down into the three phases below:</p> <ul style="list-style-type: none"> <li>▪ Phase I – CO #1 – 100% Complete – Open to Traffic - Substantially complete.</li> <li>▪ Phase II – CO #5 – 100% Complete – Opened Dicker Road on December 8<sup>th</sup>, 2020 between McColl Road and Jackson Ave. Substantially complete.</li> <li>▪ Phase III – CO #7 – 80% Complete – Closed to Traffic December 11<sup>th</sup>, 2020 – (Closed to traffic between 10th Street and McColl Road. All traffic will be detoured to the south, while reconstruct the entire roadway.</li> </ul> <p><b><u>UPDATED:</u></b></p> <p><b><u>Construction:</u></b> Dicker Road, the construction between 10<sup>th</sup> Street and McColl Road include:</p> <ul style="list-style-type: none"> <li>▪ Earthworks – Liming the subgrade, salvage, and new caliche.</li> <li>▪ Earthworks – Installing curb and gutter.</li> <li>▪ Earthworks – Installing turnouts.</li> <li>▪ Earthworks – Installing sidewalks</li> <li>▪ Earthworks – Laid Ty B hot mix between McColl Ave and the Main Canal</li> <li>▪ GO – No work</li> <li>▪ Lucania – No Work</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>	

<b>3 – Miscellaneous Technical Activities</b>	<b>81%</b>
<p><b><u>UPDATED:</u></b></p> <p>B2Z is coordinating to adjust 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 request for information, driveways, and business complaints.</li> <li>▪ B2Z continues coordinating with all stakeholders to discuss change orders before finalizing.</li> <li>▪ Provide final as built plan of the final waterline location and all other utilities.</li> </ul>	
<b>4 – Direct Expenses (Mileage)</b>	<b>81%</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>81%</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 concrete and hot mix approved designs. Contractor is using three Companies to provide asphalt due to service ability problems.</li> <li>▪ Sampled salvage and new base material for stockpiling, and a moisture density curve.</li> <li>▪ Backfill testing of reinforced concrete boxes.</li> </ul>	

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

TASK	% Complete
<b>1 - Construction Contract Administration</b>	<b>100%</b>
<p><b><u>NO UPDATE:</u></b>            Teleconference with Carlos Gonzalez discussing the status of the project. McAllen PU will not execute another change order. Preparing to close out the work.</p> <p>The line currently begins at 23<sup>rd</sup> Street and is installed on the 5' north alignment. It crosses 10<sup>th</sup> Street and stops on the west side of the Main Canal between 10<sup>th</sup> and McColl Rd. It starts up again on the east side of the Main Canal on the same 5' alignment, 4' deep and continues west, stopping on the west side of McColl Road Intersection.</p>	
<b>2 – Construction Management &amp; Inspection</b>	
<b>Tasks 1-9 Construction Management (During Construction)</b>	<b>100%</b>
<p><b><u>NO UPDATE:</u></b>            McAllen PU will not execute another change order. Preparing to close out the work.</p>	
<b>Tasks 1-6 Construction Inspection</b>	<b>100%</b>
<p><b><u>NO UPDATE:</u></b>            McAllen PU will not execute another change order. Preparing to close out the work.</p>	
<b>Tasks 1-3 Construction Management (Post Construction)</b>	<b>90%</b>
<p><b><u>UPDATED:</u></b>            B2Z reconciling quantities and plan sheet modifications to initiate final quantities and a final as built set of plans.</p>	

3 – Miscellaneous Technical Activities	100%
<u>NO UPDATE:</u> McAllen PU will not execute another change order. Preparing to close out the work.	
4 – Direct Expenses (Mileage)	100%
<u>NO UPDATE:</u> McAllen PU will not execute another change order. Preparing to close out the work.	
4 – Direct Expenses (CMT)	100%
<u>NO UPDATE:</u> McAllen PU will not execute another change order. Preparing to close out the work.	

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

Sincerely,



Saul R. Munoz, P.E.  
 Dicker Road Project Manager  
 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
		***** For Hidalgo County use only		
		9-1315-431-00-122-062-0-721	20,978.66	
		1-1200-431-00-122-062-0-841	89,944.75	
		<b>SCANNED</b> AUG 27 2019		

Authorized by:

*Martha Salazar*  
msl