



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

PO # 803856  
1-1200-431-00-122-062-0-841  
Req # 400015  
\$ 1,014.23

Invoice

Date	Invoice #
3/1/2021	20284

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

PO # 803856  
1-1315-431-00-122-062-0-721  
Req # 400015

Bill To:  
Hidalgo County Precinct #2  
300 West Hall Acres, Suite G  
Pharr, TX 78577

\$ 832.03  
pay direct

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

B2Z JOB: 2302  
PO # 803856

RECEIVED MAR 01 2021  
*lg*

Billing Period February 2021

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 66,168.39	\$ 3,892.26	\$ 70,060.65	72%	27,245.81
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 86,071.69	\$ 5,063.04	\$ 91,134.73	72%	35,441.29
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 356,147.20	\$ 20,949.83	\$ 377,097.03	72%	146,648.85
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 43,831.79	\$ 2,578.34	\$ 46,410.13	72%	18,048.37
Direct Expenses						
Mileage	\$ 10,569.42	\$ 7,187.21	\$ 422.77	\$ 7,609.98	72%	2,959.44
CMT	\$ 332,938.60	\$ 226,398.25	\$ 13,317.54	\$ 239,715.79	72%	93,222.81
Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>785,804.53</u>	<u>46,223.78</u>	<u>832,028.31</u>		<u>333,453.21</u>
Construction Contract Administration	\$ 20,177.80	\$ 19,572.47	\$ 201.77	\$ 19,774.24	98%	403.56
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74	\$ 7,920.77	\$ 81.66	\$ 8,002.43	98%	163.31
Tasks 1-6 - Construction Inspection	\$ 22,401.42	\$ 21,729.38	\$ 224.01	\$ 21,953.39	98%	448.03
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 1,750.74	\$ 875.37	\$ 437.69	\$ 1,313.06	75%	437.68
Miscellaneous Technical Activities	\$ 3,399.65	\$ 3,297.66	\$ 34.00	\$ 3,331.66	98%	67.99
Direct Expenses						
Mileage	\$ 1,170.00	\$ 1,134.90	\$ 35.10	\$ 1,170.00	100%	0
CMT	\$ 32,879.40	\$ 32,879.40	\$ -	\$ 32,879.40	100%	0
	<u>89,944.75</u>	<u>87,409.95</u>	<u>1,014.23</u>	<u>88,424.18</u>		<u>1,520.57</u>
<b>Total For This Billing Period</b>						<b>\$47,238.01</b>

Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1	\$1,255,426.27	\$873,214.48	73.32%	\$334,973.78

*Aisha Gonzalez*  
Aisha Gonzalez - President

INVOICE RECEIVED BY:  
Iupita Garza ON 3/1/21

GOODS/SERVICES RECEIVED BY:  
Eddie Cantu ON 02/01-28/21

\$ 46,223.78 x 1.8% = \$ 832.03  
\$ 46,223.78 x 18.2% = \$ 8,412.73  
\$ 46,223.78 x 80% = \$ 36,979.02

March 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 February 2021 on the subject referenced project.

The following is attached:

- Invoice No. 20284 ✓

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

TASK	% Complete
<b>1 - Construction Contract Administration</b>	<b>72%</b>
<p>UPDATED: B2Z conducted the last informal status meeting with Precinct #2 via teleconference to discuss status of the project with respect to project completion, time charges, subcontractor's performance, changes in plans, plan errors, residential concerns, and a few comments from the Drainage District on Dicker Road. The attendees of the status meeting included Armando Garza (RPIC) and Erika Zamora. The B2Z staff included Saul Muñoz and Stanley Ramos.</p> <p>B2Z assisted the Precinct to conduct a formal TxDOT audit on February 11th, 2021 from 9am to 1pm that included monthly pay applications, testing reports, the material on hand (MOH), the project progress schedules, and the remaining records maintained at the Precinct #3 County Office. Mrs. Erika Zamora and Armando Torres managed and answered questions for Precinct #3, and Leo Dominguez and Karina Munoz from B2Z were available to assist the County with any questions. The TxDOT auditors included Mr. Ronald Reyes and Mr. Felipe Fernandez. In conclusion, the audit went very well with minimal comments from TxDOT. B2Z continues maintaining daily communication with Precinct #2 personnel to discuss contractors progress, the project controls, the material control, and the new Change Order #8. CO#8 provides funds to</p>	

CO #7, to include a waterline crossing at McColl. The work will include additional casing, 12” waterline and connections to cross the intersection.

Earthworks submitted an updated Critical Path Method (CPM) Schedule on February 3, 2021. It was rejected because it was the same one submitted in December. The scheduled completion date is in four months, June 2021. This is approximately four months ahead of schedule.

B2Z office continues managing office business by cell phone or video conferencing during the COVID-19 epidemic to minimize personal contact. The staff is required to wear facemasks 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.

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 Ms. Nayelay Parra the new TxDOT RPIC.

B2Z has been very successful in identifying savings opportunities for Pct#2 and implemented innovative ideas to reduce construction costs without reducing the pavement life design of the project. B2Z will maintain quality construction while continuing to explore the plans and contract savings opportunities for Precinct #2. To date, seven change orders have been approved for Dicker Road, totaling -\$834,204.56. The changes include plan error corrections and additional work request by McAllen PU and the City of McAllen. Precinct #2 approved the additional work, and incorporated the waterline plans and additional costs to install and inspect a new 12” waterline on the North Side of Dicker Road.

B2Z is working closely with the County, the Contractor, Subcontractors and Engineer of Record to ensure that change orders, and all utility adjustments are included into the final Dicker Road as-built plans.

**- Construction Management & Inspection**

**Tasks 1-9 Construction Management (During Construction)**

**72%**

**UPDATED:**

B2Z is currently reviewing invoices and processing pay estimates for the month of February.

B2Z coordinated the new striping and signing subcontractor approvals with the County.

B2Z continues to implement the Quality Assurance Plan.

B2Z provided contractor certification statements with each monthly estimate.

B2Z continues coordinating the Dicker Road Notice of Intent (NOI) with TECQ and the County.

B2Z conducts regular field meetings with the Contractor and Subcontractors to coordinate daily work, schedule testing with the lab and to introduce plan or field modifications. B2Z has worked closely with Contractor and the Drainage District, McAllen Public Utility, the City of McAllen, the City of Hidalgo, and utility owner/coordinators to discuss change orders, utility adjustments, work in progress, and to eliminate the need for many formal RFI's.

The McAllen PU waterline and CO #7 is complete and installed between 23<sup>rd</sup> Street & McColl Road. McAllen PU reconcile the remaining funds want to extend the line a little further. They have asked to extend the waterlines another 170 ft. across McColl Avenue. It will require additional cut off valves, 12" PVC, 45-degree bends, the steel casing and caps at the end of each line.

Earthworks identified two fire hydrants that were broken and in need of repair. The McAllen PU have indicated that they will pay for the repair and B2Z is requesting invoices to relocate the line outside of the riprap slopes.

**Tasks 1-6 Construction Inspection**

**72%**

**UPDATED:**

- B2Z conducts daily job-site inspections and documents the construction progress in the project diary.
- B2Z prepared daily pay sheets for all work performed.
- B2Z assured that all materials deliver to and used within the project meet the project specifications.

- B2Z assured all safety measures are being followed for proper personal protection equipment (PPE), proper vehicular safety, proper fall protection and proper COVID-19 requirements in the field.
- B2Z assured proper trench protection by using sloped banks, using trench boxes and sheet piling to install the 7x5 RCB boxes at the Main Canal.
- B2Z assured traffic safety by verifying that the proper project barricading was in place, as established by the plans or by a change order.
- B2Z barricade inspections include one day and one-night inspection each month. The contractor is required to address deficiencies as soon as possible.

**UPDATED:**

**Traffic Control:** The original traffic control plan was modified to expedite the roadway construction. The revised traffic control plans closed off long segments of Dicker Road, while detouring traffic around construction. The traffic control was broken down into the three Phases below:

- Phase I – CO #1 – 100% Complete – Dicker Road has been open to traffic, substantially complete. Substantially complete.
- Phase II – CO #5 – 100% Complete – Opened Dicker Road on December 8<sup>th</sup>, 2020 between McColl Road and Jackson Ave. Substantially complete.
- Phase III – CO #7 – 25% 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.

**UPDATED:**

**Construction:** Dicker Road, the construction between McColl Road to Jackson Road include:

- Earthworks – Removing asphalt millings.
- Earthworks – Stockpiling caliche salvage
- Earthworks – Removing embankment and preparing subgrade.
- Earthworks – Liming the subgrade
- GO – Preparing for riprap for the 9' x 7' RCB at the P-SJ Main Outfall on south side of Dicker Road.
- GO – Preparing to install 7x5 RCB at the P-SJ Main Canal, both sides of Dicker Road.
- Lucania – Completed final bridge pour in February 22, 2021 and waiting for curing to proceed with bridge railing and armor joint construction

**Construction from 23<sup>rd</sup> St. to 10<sup>th</sup> Street (Road Open) includes:**

- Segment of Dicker Road is complete and opened to traffic.

<p><b>Construction from McColl Road to 10<sup>th</sup> Street (Road Open) includes:</b></p> <ul style="list-style-type: none"> <li>▪ Segment of Dicker Road is complete and opened to traffic.</li> </ul>	
<p><b>Tasks 1-3 Construction Management (Post Construction)</b></p>	<b>0%</b>
<p><b><u>NO UPDATE:</u></b> <i>This task has not begun.</i></p>	
<p><b>3 – Miscellaneous Technical Activities</b></p>	<b>72%</b>
<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 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>	
<p><b>4 – Direct Expenses (Mileage)</b></p>	<b>72%</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>▪ 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>72%</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 serviceability 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**

<b>TASK</b>	<b>% Complete</b>
<b>1 - Construction Contract Administration</b>	<b>98%</b>
<p><b><u>NO UPDATE:</u></b></p> <p>Teleconference with Carlos Gonzalez to discuss status of the project and to introduce one last change order before closing out the project. McAllen PU has request additional modifications to the original plans to extend the line across McColl Road. Precinct #2 and B2Z will work with McAllen PU on CO #8 to install as much of the water line as possible before closing out all 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 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>98%</b>
<b><u>NO UPDATE:</u></b> Pending CO #8 requested by McAllen PU.	
<b>Tasks 1-6 Construction Inspection</b>	<b>98%</b>
<b><u>NO UPDATE:</u></b> Pending CO #8 requested by McAllen PU.	
<b>Tasks 1-3 Construction Management (Post Construction)</b>	<b>75%</b>
<b><u>UPDATED:</u></b> B2Z reconciling quantities and plan sheet modifications to initiate final quantities and a final as built set of plans.	
<b>3 – Miscellaneous Technical Activities</b>	<b>98%</b>
<b><u>NO UPDATE:</u></b> Pending CO #8 requested by McAllen PU.	
<b>4 – Direct Expenses (Mileage)</b>	<b>100%</b>
<b><u>NO UPDATE:</u></b> Pending CO #8 requested by McAllen PU.	
<b>4 – Direct Expenses (CMT)</b>	<b>100%</b>
<b><u>NO UPDATE:</u></b> Pending CO #8 requested by McAllen PU.	

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