

B2Z ENGINEERING

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

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

Invoice

Date	Invoice #
5/3/2021	20292

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
1 - 1200-431-00-122-062-0-841
Req # 400015
\$611.46

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

B2Z JOB: 2302
PO #: 803856

RECEIVED May 03 2021

Billing Period						Bal	
April 2021	Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	
	Construction Contract Administration	\$ 97,306.46	\$ 72,979.84	\$ 2,919.20	\$ 75,899.04	78%	21,407.42
	Construction Management & Inspection						
	Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 94,932.02	\$ 3,797.28	\$ 98,729.30	78%	27,846.72
	Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 392,809.41	\$ 15,712.38	\$ 408,521.79	78%	115,224.09
	Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
	Miscellaneous Technical Activities	\$ 64,458.50	\$ 48,343.89	\$ 1,933.75	\$ 50,277.64	78%	14,180.86
	Direct Expenses						
	Mileage	\$ 10,569.42	\$ 7,927.06	\$ 317.09	\$ 8,244.15	78%	2,325.27
	CMT	\$ 332,938.60	\$ 249,703.95	\$ 9,988.16	\$ 259,692.11	78%	73,246.49
	Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>866,696.17</u>		<u>901,364.03</u>		
	Construction Contract Administration	\$ 20,177.80	\$ 19,774.24	\$ 201.78	\$ 19,976.02	99%	201.78
	Construction Management & Inspection						
	Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74	\$ 8,002.43	\$ 81.65	\$ 8,084.08	99%	81.66
	Tasks 1-6 - Construction Inspection	\$ 22,401.42	\$ 21,953.39	\$ 224.02	\$ 22,177.41	99%	224.01
	Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 1,750.74	\$ 1,313.06	\$ 70.02	\$ 1,383.08	79%	367.66
	Miscellaneous Technical Activities	\$ 3,399.65	\$ 3,331.66	\$ 33.99	\$ 3,365.65	99%	34.00
	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>88,424.18</u>	<u>35,279.32</u>	<u>89,035.64</u>		<u>265,026.60</u>
	Total For This Billing Period						\$35,279.32

Work Authorization - Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1 & Supp 2	\$1,255,426.27	\$955,120.35	78.89%	\$265,026.60


Aisha Gonzalez - President

INVOICE RECEIVED BY:

Lupita Garza ON 5/3/21

GOODS/SERVICES RECEIVED BY:

Eddie Cantu ON 04/01-30/21

\$ 34,667.86 x 1.8% = \$ 624.02
\$ 34,667.86 x 18.2% = \$ 6,309.55
\$ 34,667.86 x 80% = \$ 27,734.29

PO # N/A
Req # N/A
1 - 1315-126-20-122-028-0-000
\$6,309.55
1 - 1315-126-10-122-008-0-000
Req # N/A
\$27,734.29

May 3, 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 April 2021 on the subject referenced project.

The following is attached:

- Invoice No. 20292

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

TASK	% Complete
1 - Construction Contract Administration	78%
<p><u>UPDATED:</u> B2Z conducted a formal status meeting on April 22nd, 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) and Erika Zamora. The B2Z staff included Saul Muñoz, Jesse Ozuna, Stanley Ramos, Leo Dominguez and Karina Muñoz.</p> <p>B2Z also provided updated information on the contractor's progress, pending utility adjustments, and any changes as required by the project. The new McAllen 12" waterline was installed from 23rd Street to the McColl intersection. It skipped the Pharr Main Canal. McAllen is not requesting for any additional work and is ready to close out. Precinct #2 requested to close the contract with McAllen.</p> <p>Earthworks provided two Critical Path Method (CPM) schedules for December 2020 and January 2021. They are pending the February, March 2021 schedules. The latest schedule showed an early completion date of June 2021, approximately six months ahead of schedule.</p>	

B2Z office continues managing office business by cell phone, video conferencing and now in person meetings. The staff and office are still required to wear facemasks and practice social distancing. Field personnel manage the daily business by cell phone, and meet face to face to discuss critical work, pay discrepancies, pay quantities, testing requirements, public concerns, and business concerns.

B2Z continues coordinating contract administration activities with Armando Garza (County RPIC), Earthworks (Contractor), TEDSI (Design Engineer), McAllen Public Utility, City of McAllen, City of Hidalgo, Hidalgo County Drainage District #1, Hidalgo County Irrigation District #2 and Ms. Nayelay Parra (TxDOT RPIC).

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 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.

- Construction Management & Inspection

Tasks 1-9 Construction Management (During Construction)

78%

UPDATED:

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

B2Z continues to implement the Quality Assurance Plan. B2Z has completed the 30%, 50% and 90% audits.

<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 has been completed between 23rd Street & 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>Tasks 1-6 Construction Inspection</p>	<p>78%</p>
<p><u>UPDATED:</u></p> <p><u>B2Z Inspections:</u></p> <ul style="list-style-type: none"> ▪ B2Z prepared daily pay sheets for all work performed. ▪ B2Z conducts daily job-site inspections and documents the construction progress in the project diary. ▪ B2Z barricade inspections include one-day and one-night inspections each month. The contractor is required to address deficiencies as soon as possible. ▪ B2Z performs the bimonthly SW3P reports indicating compliance. ▪ B2Z assures traffic safety by verifying that the proper project barricading is in place, as established by the plans or by change order. ▪ B2Z assures that all safety measures are being followed for proper personal protection equipment (PPE), proper vehicular safety, proper fall protection equipment and for the proper COVID-19 mask requirements in the field. 	

- B2Z assures that the proper trench protection is being used, including sloping banks, includes using trench boxes and includes using sheet piling to install the 9x7 and 7x5 RC boxes at the Main Canal.
- B2Z assured that all materials deliver to and used within the project meet the project specifications.

UPDATED:

Traffic Control:

The original traffic control plan was modified to expedite the Dicker Road construction. The revised 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 – Open to Traffic - Substantially complete.
- Phase II – CO #5 – 100% Complete – Opened Dicker Road on December 8th, 2020 between McColl Road and Jackson Ave. Substantially complete.
- Phase III – CO #7 – 50% Complete – Closed to Traffic December 11th, 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 10th Street and McColl Road include:

- Earthworks – Liming the subgrade, salvage, and new caliche.
- Earthworks – Installing curb and gutter.
- Earthworks – Installing turnouts.
- Earthworks – Installing sidewalks
- Earthworks – Laying hot mix Ty B between McColl Ave and the Main Canal
- GO – Installing 7' x 5' RCB at the P-SJ Main Outfall on south side of Dicker Road.
- GO – Install sheet piling on the south side of the 7x5 RCB at the P-SJ Main Canal, both sides of Dicker Road.
- Lucania – Main canal bridge is complete, and pending the sealed expansion joint

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	78%
<p><u>UPDATED:</u></p> <p>B2Z is coordinating the adjust utilities that will impact the proposed construction.</p> <ul style="list-style-type: none"> ▪ B2Z continues to work closely with property owners to provide information and to respond to request for information, driveways, and business complaints. ▪ B2Z continues coordinating with all stakeholders to discuss change orders before finalizing. ▪ Provide final as built plan of the final waterline location and all other utilities. 	
4 – Direct Expenses (Mileage)	78%
<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 ▪ Laboratory Inspector testing – Daily ▪ Earthworks Meetings – 1/week ▪ Hidalgo County Precinct No. 2 Status Meetings – 1/month ▪ McAllen PU 12” Waterline meetings – 1/week ▪ Hidalgo County Irrigation District #2 – 1/week ▪ L&G Utility Meetings – 1/week 	

4 – Direct Expenses (CMT)	78%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z continues with concrete testing requirements for bridge elements including concrete beams, panels, piles, and steel armor joints. ▪ The B2Z Laboratory continues to monitor and verify TxDOT material producers that are approved for the project. ▪ 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. ▪ Sampled salvage and new base material for stockpiling, and a moisture density curve. ▪ Backfill testing of reinforced concrete boxes. 	

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

TASK	% Complete
1 - Construction Contract Administration	99%
<p><u>NO UPDATE:</u> 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 23rd Street and is installed on the 5’ north alignment. It crosses 10th Street and stops on the west side of the Main Canal between 10th 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>	

2 – Construction Management & Inspection	
Tasks 1-9 Construction Management (During Construction)	99%
<u>NO UPDATE:</u> McAllen PU will not execute another change order. Preparing to close out the work.	
Tasks 1-6 Construction Inspection	99%
<u>NO UPDATE:</u> McAllen PU will not execute another change order. Preparing to close out the work.	
Tasks 1-3 Construction Management (Post Construction)	79%
<u>UPDATED:</u> B2Z reconciling quantities and plan sheet modifications to initiate final quantities and a final as built set of plans.	
3 – Miscellaneous Technical Activities	99%
<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

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 Certificates.
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
		TOTAL:		20,978.66
		***** For Hidalgo County use only 1-1315-431-00-122-062-0-721	20,978.66	
		1-1200-431-00-122-062-0-841	89,944.75	

SCANNED
AUG 27 2019

Authorized by: Martha Salazar