



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

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

Invoice	
Date	Invoice #
12/1/2021	20306

RECEIVED DEC 01 2021

pay direct → \$ 416.01

Please send remittance with copy of invoice to:

Attn: Mrs. Aisha Gonzalez
P.O. Box 2724
McAllen, Tx. 78502

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

B2Z JOB: 2302
PO # 803856

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

Billing Period November 2021

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 91,468.07	\$ 1,946.13	\$ 93,414.20	96%	3,892.26
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 118,981.46	\$ 2,531.52	\$ 121,512.98	96%	5,063.04
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 492,321.13	\$ 10,474.91	\$ 502,796.04	96%	20,949.84
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 60,591.00	\$ 1,289.17	\$ 61,880.17	96%	2,578.33
Direct Expenses						
Mileage	\$ 10,569.42	\$ 9,935.25	\$ 211.39	\$ 10,146.64	96%	422.78
CMT	\$ 332,938.60	\$ 312,962.28	\$ 6,658.78	\$ 319,621.06	96%	13,317.54
Supplemental #2 to Work Authorization #1						1,165,481.52
Construction Contract Administration	\$ 20,177.80	\$ 20,177.80	\$ -	\$ 20,177.80	100%	0
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 8,165.74	\$ 8,165.74	\$ -	\$ 8,165.74	100%	0
Tasks 1-6 - Construction Inspection	\$ 22,401.42	\$ 22,401.42	\$ -	\$ 22,401.42	100%	0
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 1,750.74	\$ 1,750.74	\$ -	\$ 1,750.74	100%	0
Miscellaneous Technical Activities	\$ 3,399.65	\$ 3,399.65	\$ -	\$ 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
	89,944.75	1,176,203.94	23,111.90	1,199,315.84		56,110.43
						\$23,111.90

Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1 & Supp 2	\$1,255,426.27	\$1,176,203.94	95.53%	\$56,110.43

Aisha Gonzalez - President

INVOICE RECEIVED BY:

Lupita Garza ON 12/01/21

GOODS/SERVICES RECEIVED BY:

Eddie Cantu ON 11/01-30/21

\$ 23,111.90 x 1.8% = \$ 416.01

\$ 23,111.90 x 18.2% = \$ 4,206.37

\$ 23,111.90 x 80% = \$ 18,489.52

12/01/21

PO # N/A
Req # 1-1315-126-20-122-028-0-000
N/A \$ 4,206.37
PO # N/A
Req # 1-1315-126-10-122-008-0-000
N/A \$ 18,489.52

December 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 November 2021 on the subject referenced project.

The following is attached:

- Invoice No. 20306 ✓

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

TASK	% Complete
1 - Construction Contract Administration	96%
<p><u>UPDATED:</u></p> <p>B2Z did not conducted a monthly project status meeting at the Precinct #2 Office in November due to conflicting holiday schedules.</p> <p>We met with the Precinct #2 staff in October to discuss the current construction schedule, time charges, subcontractor's performance, planned changes, plan and construction errors, residential concerns, and for any additional work on Dicker Road. The topics of discussion included the project completion date, a ribbon cutting, project concerns, project funding and work being performed by others.</p> <p>We indicated that the end of the project is near, and funds may be available for additional work. Additional work could include 1) to eliminate a ponding problem on private property near 23rd Street, 2) connecting a private field drain to our storm sewer that drains from the on the north side of Dicker between 10th Street and the Main Canal 3) additional riprap and 3) additional sidewalks.</p> <p>Earthworks provided the last Critical Path Method (CPM) schedule for September 2021. The September 2021 schedule showed an early completion date of November 2021.</p>	

<p>B2Z continues coordinating contract administration activities with Armando Garza (County RPIC), Earthworks (Contractor), Subcontractors (GO, Lucania, SW Contractor), TEDSI (Design Engineer), McAllen Public Utility (Carlos Gonzalez), City of Hidalgo (Waterline Adjustment), and Hidalgo County Drainage District #1 (12x8 Culvert Crossing). The new TxDOT RPIC changed on 11/15/2021 from Ms. Nayely Parra, P.E. to Mr. David Chacon, P.E.</p> <p>The B2Z team of project manager and inspectors have a considerable knowledge in roadway construction, with the experience and innovative thinking to introduce several savings opportunities during construction. B2Z identified -\$834,204.56 in cost savings introduced in five change orders. B2Z also assisted Hidalgo County with the Memorandum of Understanding (MOU) to install a new 12" waterline request by the McAllen Public Utility.</p> <p>The current sidewalk quantity covers 2/3 of the Dicker Road project, on both sides. The Precinct identified where additional sidewalk could be included; 1) between Jackson Rd to McColl Rd - both sides, 2) between McColl to 10th Street - only the south side and 3) McColl to 23rd Street on south side.</p> <p>B2Z will ensure that all change orders and utility adjustments will be included into the final Dicker Road as-built plans.</p>	
<p>- Construction Management & Inspection</p>	
<p>Tasks 1-9 Construction Management (During Construction)</p>	<p>96%</p>
<p><u>UPDATED:</u></p> <p>B2Z is currently reviewing invoices and processing pay estimates for the month of November 2021.</p> <p>B2Z implemented the Quality Assurance Plan for the project. B2Z will initiate the 90% audit in December 2021.</p> <p>B2Z works very closely with the contractor and subcontractors to update weekly schedules, to prepare for material deliveries, to schedule field inspections and to schedule material testing with our laboratory as necessary.</p>	

<p>B2Z conducted meetings with the Hidalgo County Drainage District, the McAllen Public Utility, the City of McAllen, the City of Hidalgo, Utility Owners, and property owners to discuss daily construction, change orders, utility adjustments/impacts and the overall work in progress. Our field and office meetings eliminate the need for many formal requests for information (RFI's).</p>	
<p>Tasks 1-6 Construction Inspection</p>	<p>96%</p>
<p><u>UPDATED:</u></p> <p><u>B2Z Inspections:</u></p> <ul style="list-style-type: none"> ▪ B2Z prepared daily pay sheets for the work Earthworks performed on Dicker Road. ▪ B2Z conducted daily job-site inspections and documented the construction progress within the project diary using the Raken in house program. ▪ B2Z conducts one-day and one-night barricade inspections each month. The contractor is required to address deficiencies as soon as possible. ▪ B2Z assures daily traffic safety by verifying that proper barricading is in place by plans, or as established by change orders. The contractor is required to address deficiencies as soon as possible. ▪ B2Z performs the bi-monthly reviews of the project for storm water pollution prevention plan (SW3P) project compliance. ▪ 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 that is implemented in the field or offices. <p><u>UPDATED:</u></p> <p><u>Traffic Control:</u></p> <p>During our COVID-19 - 2021 year, B2Z modified the original traffic control plan to expedite the Dicker Road construction while business and schools were closed. B2Z created three traffic control modifications that closed Dicker Road, while detouring traffic around the roadway construction. The three traffic changes are below:</p> <ul style="list-style-type: none"> ▪ Phase I (CO #1) – Closed 23rd Street to 10th Street first- This segment is 100% complete & opened to traffic. 	

<ul style="list-style-type: none"> ▪ Phase II (CO #5) – Closed McColl Road to Jackson Street second- This segment is 100% complete & opened to traffic. ▪ Phase III (CO #7) – 10th Street and McColl Road - 90% complete and opened to traffic on November 24th, 2021, under construction. Traffic is no longer detoured around construction, and the project is at substantial completion. <p><u>UPDATED:</u> Current Construction: Construction between 10th Street and McColl Road include:</p> <ul style="list-style-type: none"> ▪ Earthworks – TY B hot mix and Ty D hot mix. ▪ Earthworks – Placing sidewalks ▪ GO – Placing riprap at the main canal ▪ Lucania – Cleaning armor joints, placing sealed expansion joints ▪ Southwest Contractor - Placing crash cushion attenuators, and pedestrian railing. 	
<p>Tasks 1-3 Construction Management (Post Construction)</p>	<p>0%</p>
<p><u>NO UPDATE:</u></p> <p><i>This task has not begun.</i></p>	
<p>3 – Miscellaneous Technical Activities</p>	<p>96%</p>
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> • B2Z has coordinated all of utilities adjustments that impact the proposed construction. ▪ B2Z continues to work closely with property owners to provide the up-to-date construction progress and information. ▪ Mrs. Has been contacting Hidalgo County Precinct #2, City of McAllen, TxDOT and B2Z for a completion status of Dicker Road. She has been notified that the project is still under construction and should be completed this year, as scheduled. ▪ B2Z continues to respond to request for information. ▪ B2Z continues coordinating change orders with all stakeholders before finalizing the project. ▪ Provide as built plans that include all change orders, the new McAllen waterline location, and all utility adjustments within the Project. 	

4 – Direct Expenses (Mileage)	96%
<p><u>UPDATED:</u> B2Z has conducted the following activities that required vehicle travel:</p> <ul style="list-style-type: none"> ▪ Chief Inspector/Inspector job-site inspections – Daily ▪ Project Manager job-site inspections – 3/week ▪ Laboratory Inspector material testing – 3/week ▪ Earthworks progress meetings – 1/month ▪ Hidalgo County Precinct No. 2 Status Meetings – 1/month ▪ McAllen PU 12” Waterline meetings – 1/month ▪ Hidalgo County Irrigation District #2 – 1/month ▪ L&G Utility Meetings – as necessary 	
4 – Direct Expenses (CMT)	96%
<p><u>UPDATED:</u></p> <ul style="list-style-type: none"> ▪ B2Z laboratory continues testing field moisture and densities for new base material. ▪ B2Z laboratory continued testing fresh concrete for curb and gutter, riprap, and sidewalks. ▪ B2Z laboratory continues to monitor the hot mix Ty B & D placements for field density and laboratory testing requirements. 	

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

TASK	% Complete
1 - Construction Contract Administration	100%
<p><u>NO UPDATE:</u></p> <p>Teleconference with Carlos Gonzalez discussing the status of the new 12" waterline project on the north side of Dicker Road. The new waterline is complete, and B2Z needs to close out the current contract for the remaining items that were not used.</p> <p>The line was installed between 23rd Street and McColl Rd on a 5' alignment and 4' deep. It crosses 10th Street and stops on the west side of the Main Canal. It starts up again on the east side of the Main Canal and stops just west of the McColl Intersection.</p>	
2 - Construction Management & Inspection	
Tasks 1-9 Construction Management (During Construction)	100%
<p><u>NO UPDATE:</u></p> <p>Work is complete. Preparing to close out the change order and MOU.</p>	
Tasks 1-6 Construction Inspection	100%
<p><u>NO UPDATE:</u></p> <p>Work is complete.</p>	
Tasks 1-3 Construction Management (Post Construction)	100%
<p><u>UPDATED:</u></p> <p>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> Work is complete.	
4 – Direct Expenses (Mileage)	100%
<u>NO UPDATE:</u> Work is complete.	
4 – Direct Expenses (CMT)	100%
<u>NO UPDATE:</u> Work is complete.	

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 1315-431-00-122-062-0-721	20,978.66	

SCANNED
AUG 27 2019

Authorized by:

Martha Salazar
ms