

# B2Z ENGINEERING

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

## Invoice

Date	Invoice #
8/3/2021	20298

PO # 803856  
1-1315-431-00-122-062-0-721  
 Req # 400015  
 pay direct -> \$ 208.01

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

B2Z JOB: 2302  
 PO # 803856

PO # N/A  
1-1315-124-20-122-02B-0-000  
 Req # N/A  
 \$ 2,103.18

PO # N/A  
1-1315-126-10-122-008-0-000  
 Req # N/A  
 \$ 9,244.75

Billing Period July 2021

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete	Bal
Construction Contract Administration	\$ 97,306.46	\$ 80,764.36	\$ 973.07	\$ 81,737.43	84%	15,569.03
Construction Management & Inspection						
Tasks 1-9 - Construction Mgmt (During Construction)	\$ 126,576.02	\$ 105,058.10	\$ 1,265.76	\$ 106,323.86	84%	20,252.16
Tasks 1-6 - Construction Inspection	\$ 523,745.88	\$ 445,184.00	\$ 5,237.46	\$ 450,421.46	86%	73,324.42
Tasks 1-3 - Construction Mgmt (Post Construction)	\$ 9,886.64	\$ -	\$ -	\$ -	0%	9,886.64
Miscellaneous Technical Activities	\$ 64,458.50	\$ 53,500.57	\$ 644.58	\$ 54,145.15	84%	10,313.35
Direct Expenses						
Mileage	\$ 10,569.42	\$ 8,772.62	\$ 105.69	\$ 8,878.31	84%	1,691.11
CMT	\$ 332,938.60	\$ 276,339.04	\$ 3,329.38	\$ 279,668.42	84%	53,270.18
Supplemental #2 to Work Authorization #1	<u>1,165,481.52</u>	<u>969,618.69</u>				
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
<b>Total For This Billing Period</b>	<u>89,944.75</u>	<u>89,944.75</u>	<u>11,555.94</u>	<u>101,119.38</u>		<u>184,306.89</u>

### Work Authorization ~ Summary

WA No. & Supp 2	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1 & Supp 2	\$1,255,426.27	\$1,059,563.44	85.32%	\$184,306.89

  
 Aisha Gonzalez - President

\$ 11,555.94 x 1.8% = \$ 208.01  
 \$ 11,555.94 x 18.2% = \$ 2,103.18  
 \$ 11,555.94 x 80% = \$ 9,244.75

INVOICE RECEIVED BY:  
 Sandy Suarez ON 8/3/21  
 GOODS/SERVICES RECEIVED BY:  
 Eddie Cantu ON 07/01-31/21



August 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 July 2021 on the subject referenced project.

The following is attached:  
 • Invoice No. 20298

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

TASK	% Complete
<b>1 - Construction Contract Administration</b>	<b>84%</b>
<p><b>UPDATED:</b>            B2Z conducted the monthly project status meeting in the B2Z Office on July 14<sup>th</sup>, 2021, with the Precinct #2 staff to discuss status of Dicker Road Project with respect to the current construction schedule, time charges, subcontractor's performance, planned changes, plan and construction errors, residential concerns, and additional work requested by others on Dicker Road. The Pct #2 attendees included Armando Garza (RPIC), Erika Zamora and Jorge Hinojosa. The B2Z staff included Saul Muñoz, Jesse Ozuna, Stanley Ramos, Karina Muñoz and David Rivera. The topics of discussion included project completion, project delays, project funding and work being performed by others. We have indicated that at the end of the project, funds will be available to do additional work. We discussed water ponding on private property and establishing drainage into Dicker Road.</p> <p>B2Z provided information on the contractor's progress, an update on the current utility conflicts, pending utility adjustments, and any construction changes as required by the project. The McAllen 12" waterline is installed between 23<sup>rd</sup> St. to McColl Street and is not continuous across the Pharr Main Canal. The McAllen PU is not requesting for any additional work and Precinct #2 will close out the current contract.</p>	

Handwritten initials and date: *MG 8.3.21*

<p>The 12x8 culvert crossing installed by the Hidalgo County Drainage District was completed. B2Z is no longer testing the backfilling operation.</p> <p>Earthworks provided Critical Path Method (CPM) schedules for May &amp; June 2021. June CPM schedule shows the early completion date pushed back one month to October 2021. The rain and too wet days were heavy in July.</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 McAllen (Signal Maintenance), City of Hidalgo (Waterline Adjustment), Hidalgo County Drainage District #1 (12x8 Culvert Crossing), Hidalgo County Irrigation District #2(Irrigation Adjustments) and Ms. Nayelay Parra (TxDOT RPIC).</p> <p>The B2Z skilled team of managers and inspectors have a considerable knowledge in roadway construction, with the experience and innovative thinking that introduced several savings opportunities without impacting the overall intent of the project. During construction, B2Z identified -\$834,204.56 cost savings in five change orders. B2Z also helped Hidalgo County entered into a Memorandum of Understanding (MOU) for a new 12” waterline request by the McAllen Public Utility.</p> <p>The length of the Dicker Road project has enough sidewalk to cover 2/3 of the length. The Precinct identified areas where to construct sidewalk; Jackson Rd to McColl Rd on both sides, McColl to 10<sup>th</sup> Street on the south side and McColl to 23<sup>rd</sup> Street on south side.</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 will be 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>84%</b></p>
<p><b><u>UPDATED:</u></b> B2Z is currently reviewing invoices and processing pay estimates for the month of July 2021.</p>	

<p>B2Z continues to implement the Quality Assurance Plan for the project. B2Z has completed the 30% and 60% audits and will initiate the 90% audit in August.</p> <p>B2Z coordinated the Dicker Road Notice of Intent (NOI) with the County and TECQ.</p> <p>B2Z coordinated the subcontractor approvals with the County.</p> <p>B2Z provides a contractor certification statements with each monthly estimate.</p> <p>B2Z provides a contractor prompt payment certification with each monthly estimate.</p> <p>B2Z provides a contractor and subcontractor certified payrolls with each monthly estimate.</p> <p>B2Z works very closely with the Contractor and Subcontractors to update weekly work schedules ahead of inspection, material deliveries and testing requirements.</p> <p>B2Z conducts regularly scheduled 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 process eliminates the need for many formal RFI's.</p> <p>Earthworks identified several fire hydrants south of the Main Canal that needed relocated and repaired. B2Z has asked Earthworks for a cost estimate.</p>	
<p><b>Tasks 1-6 Construction Inspection</b></p>	<p><b>86%</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 the work performed on Dicker Road.</li> <li>▪ B2Z conducts daily job-site inspections and documents the construction progress in the project diary.</li> <li>▪ B2Z conducts one-day and one-night barricade inspections each month. The contractor is required to address deficiencies as soon as possible.</li> <li>▪ B2Z assures traffic safety by verifying that the proper project barricading is in place by plans, or as established by change orders.</li> <li>▪ B2Z performs the bi-monthly SW3P reports indicating compliance.</li> </ul>	

- B2Z assures that the proper storm sewer protection is being implemented for safety by using trench box or by sloping the trench back when installing storm sewer.
- B2Z ensures proper slope protection is being implementing for safety by using sheet piling protection to hold back embankment to install the 9’x7’ and 7’x5’RC boxes at the edge of the Main Canal.
- B2Z assures that all materials deliver to and used within the project meet the project specifications.
- 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.

**UPDATED:**

**Traffic Control:**

During the COVID-19 period, the original traffic control plan was modified to expedite the Dicker Road construction around business and schools that were closed. B2Z created three new traffic control plans that closed Dicker Road and complete roadway construction, while detouring all traffic around the location. The three traffic changes are described below:

- Phase I (CO #1) – 23<sup>rd</sup> Street to 10<sup>th</sup> Street - 100% Complete & Now opened to traffic
- Phase II (CO #5) – McColl Street to Jackson Street - 100% Complete & Now opened to traffic
- Phase III (CO #7) – 10th Street and McColl Road - 83% Complete, Under Construction & Closed to Traffic December 11<sup>th</sup>, 2020 (All traffic is detoured south and north of both intersections around the construction).

**UPDATED:**

**Construction:**

Dicker Road, the construction between 10<sup>th</sup> Street and McColl Road include: Dicker Road had 7 rain days in July

- Earthworks – Liming the subgrade, salvage, and new caliche.
- GO – No Work
- Lucania – No Work
- Southwest Contractor-No Work

<b>Tasks 1-3 Construction Management (Post Construction)</b>	<b>0%</b>
<p><b><u>NO UPDATE:</u></b>  <i>This task has not begun.</i></p>	
<b>3 – Miscellaneous Technical Activities</b>	<b>84%</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 change orders with all stakeholders before finalizing.</li> <li>▪ Provide as built plans for the new waterline location and all other utilities within the ROW.</li> </ul>	
<b>4 – Direct Expenses (Mileage)</b>	<b>84%</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>	

4 – Direct Expenses (CMT)	84%
<p><b><u>UPDATED:</u></b></p> <ul style="list-style-type: none"><li>▪ B2Z continues concrete testing on curb and gutter, concrete box culverts and sidewalks.</li><li>▪ The B2Z Laboratory continues to monitor and verify material producers that are approved for the project.</li><li>▪ B2Z continues to monitor concrete and hot mix design approvals. Contractor has worked with three asphalt and three concrete companies to avoid serviceability problems.</li><li>▪ B2Z laboratory continues testing salvage and new base material for a moisture and density.</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 current contract and 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> Street 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>100%</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>	

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