

PO 125695
Rec 347164
2/10/16

KJP

INVOICE
IDC, INC.
Fort Bend County - Crabb River Road PS&E

Bill To:
Mr. Richard Stolleis, P.E.
County Engineer
Fort Bend County
301 Jackson Street
Richmond, TX 77469

P.O. #: 125695
Project #: 402-0402
Contract Number:
Invoice Number: 10658
Invoice Date: January 11, 2016
Billing Period: December 2015

Amendment Contract Amount: \$ 2,165,059.00

Total Contract: \$ 2,165,059.00

Fee Earned: \$ 1,314,914.15

Total Amount Earned: \$ 1,314,914.15

Less Previously Invoiced: \$ 1,070,916.50

1,070,916.50

Total Invoice Amount: \$ 243,997.65

WA Amount Remaining: \$ 850,144.85

OK, JRS
02/10/16



Planners - Engineers - Program Managers

January 11, 2016

Mr. Richard W. Stolleis, P.E.
Fort Bend County Engineer
301 Jackson Street
Richmond, Texas 77469

Re: Billing Period No. 8
IDC Invoice No. 10658
Services through November 2015
Purchase Order No.: 125695
Project No. 402-0402
Crabb River Road PS&E
From Rabbs Bayou to South of LCISD New HS/JHS Complex.

Dear Mr. Stolleis:

Enclosed is IDC's revised invoice for services performed through December 2015 in the amount of \$243,997.65 for your consideration and further handling. Two copies of the following documents are attached:

- Invoice No. 10658
- Progress Report No. 8

Sincerely,
IDC Inc.

A handwritten signature in blue ink, appearing to read "Larry F. Janak".

Larry F. Janak, P.E.
Executive Vice President

INVOICE No. 8
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 12/31/2015

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
I. ROADWAY DESIGN					
A. Typical Sections - Existing	\$10,933.00	90.0%	\$9,839.70	\$9,839.70	\$0.00
B. Crabb River Road Typ Sections - Proposed	\$42,971.00	80.0%	\$34,376.80	\$34,376.80	\$0.00
C. Proposed Typ Sections - Side streets	\$13,324.00	70.0%	\$9,326.80	\$7,994.40	\$1,332.40
D. Roadway P&P	\$141,167.00	60.0%	\$84,700.20	\$70,583.50	\$14,116.70
E. Horizontal Align Data	\$14,689.00	90.0%	\$13,220.10	\$13,220.10	\$0.00
F. Thompson Road P&P	\$23,853.00	60.0%	\$14,311.80	\$11,926.50	\$2,385.30
G. Intersections Layouts & Grading	\$53,992.00	60.0%	\$32,395.20	\$21,596.80	\$10,798.40
H. Misc Roadway Details	\$19,995.00		\$0.00	\$0.00	\$0.00
I. Driveway Table & Details	\$10,991.00	50.0%	\$5,495.50	\$1,099.10	\$4,396.40
J. Roadway Standards	\$8,024.00		\$0.00	\$0.00	\$0.00
K. Roadway Summaries	\$24,467.00	20.0%	\$4,893.40	\$0.00	\$4,893.40
Subtotal	\$364,406.00	57.2%	\$208,559.50	\$170,636.90	\$37,922.60
II. DRAINAGE DESIGN					
A. Drainage Area Watershed Map	\$7,118.00	80.0%	\$5,694.40	\$5,694.40	\$0.00
B. DA Layouts	\$45,105.00	75.0%	\$33,828.75	\$33,828.75	\$0.00
C. Drainage P&P	\$99,330.00	60.0%	\$59,598.00	\$49,665.00	\$9,933.00
D. Thompson Road Drainage P&P	\$26,221.00	60.0%	\$15,732.60	\$13,110.50	\$2,622.10
E. Crabb River Road Drainage Calcs	\$43,790.00	60.0%	\$26,274.00	\$21,895.00	\$4,379.00
F. Drainage Ditch Calcs	\$6,554.00	60.0%	\$3,932.40	\$3,277.00	\$655.40
G. Rabbs Bayou Bridge Calcs	\$13,871.00	60.0%	\$8,322.60	\$6,935.50	\$1,387.10
H. Gapps Slough Drainage Calcs	\$13,871.00	60.0%	\$8,322.60	\$6,935.50	\$1,387.10
I. Lateral Sheets	\$43,380.00	60.0%	\$26,028.00	\$21,690.00	\$4,338.00
J. Misc Drainage Details	\$13,242.00		\$0.00	\$0.00	\$0.00
K. Detention Pond - Rabbs Bayou	\$18,328.00	60.0%	\$10,996.80	\$9,164.00	\$1,832.80
L. Detention Pond #1 - Gapps Slough	\$14,850.00	60.0%	\$8,910.00	\$7,425.00	\$1,485.00
M. Detention Pond #2 - Gapps Slough	\$14,850.00	60.0%	\$8,910.00	\$7,425.00	\$1,485.00
N. Drainage Standards	\$8,676.00		\$0.00	\$0.00	\$0.00
O. Drainage Summaries	\$14,821.00	20.0%	\$2,964.20	\$0.00	\$2,964.20
Subtotal	\$384,007.00	57.2%	\$219,514.35	\$187,045.65	\$32,468.70
III. SIGNING & PAVEMENT MARKINGS					
A. Sign & Pavement Marking Layouts	48,555.00	60.0%	\$29,133.00	\$12,138.75	\$16,994.25
B. Small Sign Summary	9,626.00	50.0%	\$4,813.00	\$0.00	\$4,813.00
C. Pavement Marking Summary	9,626.00	20.0%	\$1,925.20	\$0.00	\$1,925.20
D. Standard Details & Existing Sign Inventory	9,626.00	20.0%	\$1,925.20	\$0.00	\$1,925.20
Subtotal	77,433.00	48.8%	37,796.40	12,138.75	25,657.65
IV. TRAFFIC SIGNALIZATION					
A. Signal Warrant - Tara Dr.	\$8,675.00	75.0%	\$6,506.25	\$5,205.00	\$1,301.25
B. Signal Warrant - Thompson Rd	\$8,676.00	75.0%	\$6,507.00	\$5,205.60	\$1,301.40
C. Signal Warrant - School Entrance	\$8,676.00	75.0%	\$6,507.00	\$5,205.60	\$1,301.40
D. Signal Design - Tara Dr.	\$23,123.00	60.0%	\$13,873.80	\$10,405.35	\$3,468.45
E. Signal Design - Thompsons Rd.	\$23,123.00	60.0%	\$13,873.80	\$10,405.35	\$3,468.45
F. Signal Design - School Entrance	\$23,123.00	60.0%	\$13,873.80	\$10,405.35	\$3,468.45
Subtotal	\$95,396.00	64.1%	\$61,141.65	\$46,832.25	\$14,309.40
V. MISCELLANEOUS ROADWAY					
A. Title Sheet	\$9,457.00	60.0%	\$5,674.20	\$2,837.10	\$2,837.10
B. Index Sheet	\$11,284.00	30.0%	\$3,385.20	\$0.00	\$3,385.20
C. Project Layout Sheet	\$41,480.00	75.0%	\$31,110.00	\$24,888.00	\$6,222.00
D. Demo Sheet	\$31,307.00	60.0%	\$18,784.20	\$15,653.50	\$3,130.70
E. Design Cross Sections	\$54,664.00	60.0%	\$32,798.40	\$21,866.60	\$10,932.80
F. Existing Utility Layouts	\$35,371.00	60.0%	\$21,222.60	\$17,685.50	\$3,537.10
G. Proposed Utility Plan	\$35,371.00	40.0%	\$14,148.40	\$3,537.10	\$10,611.30
H. Utility Details	\$18,766.00		\$0.00	\$0.00	\$0.00
I. Utility Summaries	\$9,517.00		\$0.00	\$0.00	\$0.00
J. BNSF RR Exhibit	\$11,694.00	100.0%	\$11,694.00	\$11,694.00	\$0.00
Subtotal	\$258,911.00	53.6%	\$138,817.00	\$98,160.80	\$40,656.20



INVOICE No. 8
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 12/31/2015

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
VI. GENERAL NOTES & SPECIFICATIONS					
A. Prepare General Notes & Spec List	17,188.00		\$0.00	\$0.00	\$0.00
B. Prepare Special Specs & Provisions	17,189.00		\$0.00	\$0.00	\$0.00
Subtotal	34,377.00	0.0%	0.00	0.00	0.00
VII. CONSTRUCTION COST ESTIMATE					
A. Estimate Const Cost At 30%, 60%, 90%, 100% & Final	20,112.00	60.0%	\$12,067.20	\$6,033.60	\$6,033.60
Subtotal	20,112.00	60.0%	12,067.20	6,033.60	6,033.60
VIII. ASSEMBLE PS&E					
A. 30%	\$7,302.00	100.0%	\$7,302.00	\$7,302.00	\$0.00
B. 60%	\$7,302.00	100.0%	\$7,302.00	\$0.00	\$7,302.00
C. 90%	\$7,302.00		\$0.00	\$0.00	\$0.00
D. Final Submittal	\$7,303.00		\$0.00	\$0.00	\$0.00
Subtotal	\$29,209.00	50.0%	\$14,604.00	\$7,302.00	\$7,302.00
IX. PROJECT MANAGEMENT & COORDINATION					
A. Coord. w/ Co., TxDOT & Subs	\$49,110.00	60.0%	\$29,466.00	\$24,555.00	\$4,911.00
B. Monthly Progress Reports & Invoices	\$27,770.00	60.0%	\$16,662.00	\$13,885.00	\$2,777.00
C. Project Admin	\$32,945.00	60.0%	\$19,767.00	\$16,472.50	\$3,294.50
D. Prep & Update Schedule	\$38,995.00	60.0%	\$23,397.00	\$19,497.50	\$3,899.50
E. Attend Progress Meetings	\$28,794.00	60.0%	\$17,276.40	\$14,397.00	\$2,879.40
F. Coord. with Utilities	\$28,794.00	50.0%	\$14,397.00	\$14,397.00	\$0.00
G. QA/QC plan	\$24,847.00	50.0%	\$12,423.50	\$7,454.10	\$4,969.40
Subtotal	\$231,255.00	57.7%	\$133,388.90	\$110,658.10	\$22,730.80
Total IDC Labor	\$1,495,106.00	55.2%	\$825,889.00	\$638,808.05	\$187,080.95
Direct Costs					
A. IDC Expenses	\$7,226.00	50.00%	\$3,613.00	\$2,167.80	\$1,445.20
Total Direct Costs	\$7,226.00	50.0%	\$3,613.00	\$2,167.80	\$1,445.20
TOTAL IDC COSTS	1,502,332.00	55.2%	829,502.00	640,975.85	188,526.15
SUBCONSULTANTS					
X. PROJECT COORD & ADMIN - PB					
A. Coordination	\$7,600.00	60.0%	\$4,560.00	\$4,180.00	\$380.00
B. Meetings	\$5,059.00	60.0%	3,035.40	\$2,782.45	\$252.95
C. QA/QC	\$8,918.00	60.0%	\$5,350.80	\$4,904.90	\$445.90
Subtotal	\$21,577.00	60.0%	\$12,946.20	\$11,867.35	\$1,078.85
XI. SW3P PLANS - PB					
A. General Notes	\$1,026.00	60.0%	\$615.60	\$564.30	\$51.30
B. Plans	\$29,997.00	60.0%	17,998.2000	\$16,498.35	\$1,499.85
Subtotal	\$31,023.00	60.0%	\$18,613.80	\$17,062.65	\$1,551.15
XII. TRAFFIC CONTROL PLANS - PB					
A. TCP Narrative & Notes	\$11,107.00	60.0%	6,664.20	\$6,108.85	\$555.35
B. Advance Warning Signs	\$4,330.00	60.0%	2,598.00	\$2,381.50	\$216.50
C. TCP Layouts	\$67,504.00	60.0%	40,502.40	\$37,127.20	\$3,375.20
D. TCP Details	\$8,801.00	60.0%	5,280.60	\$4,840.55	\$440.05
Subtotal	\$91,742.00	60.0%	55,045.20	\$50,458.10	\$4,587.10
XIII. GAPPS SLOUGH BRIDGE CLASS CULVERT - PB					
A. Culvert Layout	\$3,982.00	60.0%	2,389.20	\$2,190.10	\$199.10
B. Culvert Details	\$16,183.00	60.0%	9,709.80	\$8,900.65	\$809.15
Subtotal	\$20,165.00	60.0%	12,099.00	\$11,090.75	\$1,008.25
XIV. RABBS BAYOU BRIDGE - PB					
A. Bridge Layouts	\$15,758.00	60.0%	\$9,454.80	\$8,666.90	\$787.90
B. Bridge Details	\$100,413.00	60.0%	60,247.80	\$55,227.15	\$5,020.65
Subtotal	\$116,171.00	60.0%	\$69,702.60	\$63,894.05	\$5,808.55



INVOICE No. 8
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 12/31/2015

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
XV. NOISE WALLS - PB					
A. Wall Layout NB-1A	\$4,947.00	60.0%	\$2,968.20	\$2,720.85	\$247.35
B. Wall Layout NB-1B	\$6,218.00	60.0%	\$3,730.80	\$3,419.90	\$310.90
C. Wall Layout NB-2	\$6,218.00	60.0%	\$3,730.80	\$3,419.90	\$310.90
D. Wall Layout NB-3	\$6,218.00	60.0%	\$3,730.80	\$3,419.90	\$310.90
E. Summaries & Standards	\$8,918.00	60.0%	\$5,350.80	\$4,904.90	\$445.90
Subtotal	\$32,519.00	60.0%	\$19,511.40	\$17,885.45	\$1,625.95
XVI. SAFETY LIGHTING - PB					
A. Lighting Plans	\$7,212.00		\$0.00	\$0.00	\$0.00
B. Details & Summaries	\$7,935.00		\$0.00	\$0.00	\$0.00
Subtotal	\$15,147.00	0.0%	\$0.00	\$0.00	\$0.00
XVII. SUBMITTALS - PB					
A. Plot Drawings	\$11,706.00	60.0%	\$7,023.60	\$6,438.30	\$585.30
B. Cost Estimates	\$3,765.00	60.0%	\$2,259.00	\$2,070.75	\$188.25
Subtotal	\$15,471.00	60.0%	\$9,282.60	\$8,509.05	\$773.55
Total PB Labor	\$343,815.00	57.4%	\$197,200.80	\$180,767.40	\$16,433.40
A. PB Expenses	\$8,595.00	60.0%	\$5,157.00	\$4,727.25	\$429.75
TOTAL PB COSTS	352,410.00	57.4%	202,357.80	185,494.65	16,863.15
XVIII. GEOTECHNICAL INVESTIGATIONS - HTS					
A. Field Work	\$22,425.00	100.0%	\$22,425.00	\$20,574.60	\$1,850.40
B. Install Piezometer	\$2,416.00	100.0%	\$2,416.00	\$2,174.40	\$241.60
C. Lab Testing	\$17,501.00	90.0%	\$15,750.90	\$0.00	\$15,750.90
D. Prepare Report	\$17,670.00	3.9%	\$689.10	\$0.00	\$689.10
Total	\$60,012.00	68.8%	\$41,281.00	\$22,749.00	\$18,532.00
XIX. FIELD SURVEYING & ROW MAPPING - HZI					
A. Acquire ROE	\$3,000.00	100.0%	\$3,000.00	\$3,000.00	\$0.00
B. Set Control & Topographic Surveys	\$90,000.00	100.0%	\$90,000.00	\$89,778.90	\$221.10
C. Cross Section Rabb's Bayou & Gapp's Slough	\$6,380.00	100.0%	\$6,380.00	\$5,590.00	\$790.00
D. Prepare ROW Maps & Documents	\$38,920.00	97.2%	\$37,836.60	\$37,836.60	\$0.00
E. Deed Research & ROW Monumentation	\$64,205.00	88.4%	\$56,756.75	\$44,756.75	\$12,000.00
F. BNSF RR Survey	\$17,880.00	100.0%	\$17,880.00	\$15,813.50	\$2,066.50
G. Survey Thompson 's Road	\$14,260.00	100.0%	\$14,260.00	\$10,385.00	\$3,875.00
H. Detention Pond Survey	\$15,660.00	100.0%	\$15,660.00	\$14,536.25	\$1,123.75
Total	\$250,305.00	96.6%	\$241,773.35	\$221,697.00	\$20,076.35
TOTAL PROJECT	\$2,165,059.00	60.7%	\$1,314,914.15	\$1,070,916.50	\$243,997.65



Planners – Engineers – Program Managers

**CRABB RIVER ROAD
PS&E PHASE
PROGRESS REPORT NO. 8
December 2015**

Activities During Current Reporting Period

Task I. Roadway Design

- Refining Roadway P&P for 60% submittal.
- Advancing intersection design to 60% level.
- Set-up Roadway Summary sheets.

Task II. Drainage Design

- Preparing storm sewer P&P & hydraulic calculations for 60% submittal.
- Preparing storm sewer laterals for 60% submittal.
- Continuing work on storm sewer design.
- Set-up Drainage Summary sheets.

Task III. Signing & Pavement Markings

- Developed signing/stripping plans for 60% submittal.
- Set-up summary sheets.

Task IV. Traffic Signals

- Prepared traffic signal layouts for 60% submittal.

Task V. Miscellaneous Roadway

- Continuing coordination with utility companies.
- Prepared cross sections for 60% submittal.

Task VI. General Notes & Specifications

- This task has not started.

Task VII. Construction Cost Estimate

- Prepared construction cost estimate for 60% submittal.

Task VIII. Assemble PS&E

- Assembled 60% PS&E for submittal.

Task IX. Project Management & Coordination

- Conducted progress meeting with TxDOT PM.
- Prepared & submitted invoice & progress report.
- Updated project schedule.

- Met with County to update on project.
- Submitted 60% PS&E on December 18, 2015.

Task X. Project Coordination & Administration – PB

- Attended design team meetings.

Task XI. SW3P Plans – PB

- Prepared SW3P layouts for 60% submittal.

Task XII. Traffic Control Plans – PB

- Reviewed TCP plans with IDC.
- Prepared TCP 60% submittal.

Task XIII. Gapps Slough Bridge Class Culvert– PB

- Continued design of bridge class culvert details.
- Prepared drawings for 60% submittal.

Task XIV. Rabbs Bayou Bridge– PB

- Continued design of bridge.
- Prepared drawings for 60% submittal.

Task XV. Noise Walls – PB

- Prepared noise wall layouts for 60% submittal.

Task XVI. Safety Lighting – PB

- This task has not started.

Task XVII. Submittals – PB

- Submitted plans to IDC for 60% submittal.

Task XVIII. Geotechnical Investigations – HTS

- Field investigations are finished.
- Lab testing is substantially finished.
- Started preparing draft report.

Task XIX. Field Surveying & ROW Mapping – HZI

- Design surveys are finished.
- Internal QC of ROW maps and documents.

Activities Anticipated Next Reporting Period

- Receive comments to 60% review plans.
- Monitor status of RR exhibit review.
- Submit preliminary ROW maps for County & TxDOT review.

Peterson, Jillian

From: Don Durgin <Don.Durgin@klotz.com>
Sent: Friday, February 05, 2016 3:30 PM
To: Peterson, Jillian
Subject: PO 125695 - X28 CRR Design Invoice 008 - 10658
Attachments: X28 CRR Invoice 008 - 10658.pdf

Jillian,

Please process the attached invoice for payment. This invoice corresponds with PO 125695.

This is a large amount of this project because we reached a 60% milestone submittal and the invoicing matches that submittal. Thanks.

Donald Durgin, P.E.
Department Manager - RPS Klotz Associates
1160 Dairy Ashford, Suite 500
Houston, Texas, 77079
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Mobile: 713 269 3913
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