



Planners - Engineers - Program Managers

PO 125695
Rec 352684
3/28/16

[Handwritten signature]

February 26, 2016

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

Re: Billing Period No. 9
IDC Invoice No. 10677
Services through January 2016
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 January 2016 in the amount of \$152,903.00 for your consideration and further handling. Two copies of the following documents are attached:

- Invoice No. 10677
- Progress Report No. 9

Sincerely,
IDC Inc.

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

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

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: 10677
Invoice Date: February 26, 2016
Billing Period: January 2016

Amendment Contract Amount: \$ 2,165,059.00

Total Contract: \$ 2,165,059.00

Fee Earned: \$ 1,467,817.15

Total Amount Earned: \$ 1,467,817.15

Less Previously Invoiced: \$ 1,314,914.15

1,314,914.15

Total Invoice Amount: \$ 152,903.00

*OK, JSS
03/26/16*

WA Amount Remaining: \$ 697,241.85



INVOICE No. 9
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 1/31/2016

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	75.0%	\$9,993.00	\$9,326.80	\$666.20
D. Roadway P&P	\$141,167.00	75.0%	\$105,875.25	\$84,700.20	\$21,175.05
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	70.0%	\$16,697.10	\$14,311.80	\$2,385.30
G. Intersections Layouts & Grading	\$53,992.00	70.0%	\$37,794.40	\$32,395.20	\$5,399.20
H. Misc Roadway Details	\$19,995.00	10.0%	\$1,999.50	\$0.00	\$1,999.50
I. Driveway Table & Details	\$10,991.00	60.0%	\$6,594.60	\$5,495.50	\$1,099.10
J. Roadway Standards	\$8,024.00		\$0.00	\$0.00	\$0.00
K. Roadway Summaries	\$24,467.00	20.0%	\$4,893.40	\$4,893.40	\$0.00
Subtotal	\$364,406.00	66.2%	\$241,283.85	\$208,559.50	\$32,724.35
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	80.0%	\$36,084.00	\$33,828.75	\$2,255.25
C. Drainage P&P	\$99,330.00	70.0%	\$69,531.00	\$59,598.00	\$9,933.00
D. Thompson Road Drainage P&P	\$26,221.00	70.0%	\$18,354.70	\$15,732.60	\$2,622.10
E. Crabb River Road Drainage Calcs	\$43,790.00	70.0%	\$30,653.00	\$26,274.00	\$4,379.00
F. Drainage Ditch Calcs	\$6,554.00	70.0%	\$4,587.80	\$3,932.40	\$655.40
G. Rabbs Bayou Bridge Calcs	\$13,871.00	70.0%	\$9,709.70	\$8,322.60	\$1,387.10
H. Gapps Slough Drainage Calcs	\$13,871.00	70.0%	\$9,709.70	\$8,322.60	\$1,387.10
I. Lateral Sheets	\$43,380.00	65.0%	\$28,197.00	\$26,028.00	\$2,169.00
J. Misc Drainage Details	\$13,242.00	10.0%	\$1,324.20	\$0.00	\$1,324.20
K. Detention Pond - Rabbs Bayou	\$18,328.00	60.0%	\$10,996.80	\$10,996.80	\$0.00
L. Detention Pond #1 - Gapps Slough	\$14,850.00	60.0%	\$8,910.00	\$8,910.00	\$0.00
M. Detention Pond #2 - Gapps Slough	\$14,850.00	60.0%	\$8,910.00	\$8,910.00	\$0.00
N. Drainage Standards	\$8,676.00		\$0.00	\$0.00	\$0.00
O. Drainage Summaries	\$14,821.00	20.0%	\$2,964.20	\$2,964.20	\$0.00
Subtotal	\$384,007.00	64.0%	\$245,626.50	\$219,514.35	\$26,112.15
III. SIGNING & PAVEMENT MARKINGS					
A. Sign & Pavement Marking Layouts	48,555.00	75.0%	\$36,416.25	\$29,133.00	\$7,283.25
B. Small Sign Summary	9,626.00	50.0%	\$4,813.00	\$4,813.00	\$0.00
C. Pavement Marking Summary	9,626.00	20.0%	\$1,925.20	\$1,925.20	\$0.00
D. Standard Details & Existing Sign Inventory	9,626.00	20.0%	\$1,925.20	\$1,925.20	\$0.00
Subtotal	77,433.00	58.2%	45,079.65	37,796.40	7,283.25
IV. TRAFFIC SIGNALIZATION					
A. Signal Warrant - Tara Dr.	\$8,675.00	75.0%	\$6,506.25	\$6,506.25	\$0.00
B. Signal Warrant - Thompson Rd	\$8,676.00	75.0%	\$6,507.00	\$6,507.00	\$0.00
C. Signal Warrant - School Entrance	\$8,676.00	75.0%	\$6,507.00	\$6,507.00	\$0.00
D. Signal Design - Tara Dr.	\$23,123.00	70.0%	\$16,186.10	\$13,873.80	\$2,312.30
E. Signal Design - Thompsons Rd.	\$23,123.00	70.0%	\$16,186.10	\$13,873.80	\$2,312.30
F. Signal Design - School Entrance	\$23,123.00	70.0%	\$16,186.10	\$13,873.80	\$2,312.30
Subtotal	\$95,396.00	71.4%	\$68,078.55	\$61,141.65	\$6,936.90
V. MISCELLANEOUS ROADWAY					
A. Title Sheet	\$9,457.00	60.0%	\$5,674.20	\$5,674.20	\$0.00
B. Index Sheet	\$11,284.00	30.0%	\$3,385.20	\$3,385.20	\$0.00
C. Project Layout Sheet	\$41,480.00	80.0%	\$33,184.00	\$31,110.00	\$2,074.00
D. Demo Sheet	\$31,307.00	70.0%	\$21,914.90	\$18,784.20	\$3,130.70
E. Design Cross Sections	\$54,664.00	65.0%	\$35,531.60	\$32,798.40	\$2,733.20
F. Existing Utility Layouts	\$35,371.00	70.0%	\$24,759.70	\$21,222.60	\$3,537.10
G. Proposed Utility Plan	\$35,371.00	50.0%	\$17,685.50	\$14,148.40	\$3,537.10
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	59.4%	\$153,829.10	\$138,817.00	\$15,012.10



INVOICE No. 9
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 1/31/2016

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	\$12,067.20	\$0.00
Subtotal	20,112.00	60.0%	12,067.20	12,067.20	0.00
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	\$7,302.00	\$0.00
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	\$14,604.00	\$0.00
IX. PROJECT MANAGEMENT & COORDINATION					
A. Coord. w/ Co., TxDOT & Subs	\$49,110.00	65.0%	\$31,921.50	\$29,466.00	\$2,455.50
B. Monthly Progress Reports & Invoices	\$27,770.00	65.0%	\$18,050.50	\$16,662.00	\$1,388.50
C. Project Admin	\$32,945.00	65.0%	\$21,414.25	\$19,767.00	\$1,647.25
D. Prep & Update Schedule	\$38,995.00	65.0%	\$25,346.75	\$23,397.00	\$1,949.75
E. Attend Progress Meetings	\$28,794.00	65.0%	\$18,716.10	\$17,276.40	\$1,439.70
F. Coord. with Utilities	\$28,794.00	60.0%	\$17,276.40	\$14,397.00	\$2,879.40
G. QA/QC plan	\$24,847.00	60.0%	\$14,908.20	\$12,423.50	\$2,484.70
Subtotal	\$231,255.00	63.8%	\$147,633.70	\$133,388.90	\$14,244.80
Total IDC Labor	\$1,495,106.00	62.1%	\$928,202.55	\$825,889.00	\$102,313.55
Direct Costs					
A. IDC Expenses	\$7,226.00	50.00%	\$3,613.00	\$3,613.00	\$0.00
Total Direct Costs	\$7,226.00	50.0%	\$3,613.00	\$3,613.00	\$0.00
TOTAL IDC COSTS	1,502,332.00	62.0%	931,815.55	829,502.00	102,313.55
SUBCONSULTANTS					
X. PROJECT COORD & ADMIN - PB					
A. Coordination	\$7,600.00	75.0%	\$5,700.00	\$4,560.00	\$1,140.00
B. Meetings	\$5,059.00	75.0%	3,794.25	\$3,035.40	\$758.85
C. QA/QC	\$8,918.00	75.0%	\$6,688.50	\$5,350.80	\$1,337.70
Subtotal	\$21,577.00	75.0%	\$16,182.75	\$12,946.20	\$3,236.55
XI. SW3P PLANS - PB					
A. General Notes	\$1,026.00	75.0%	\$769.50	\$615.60	\$153.90
B. Plans	\$29,997.00	75.0%	22,497.7500	\$17,998.20	\$4,499.55
Subtotal	\$31,023.00	75.0%	\$23,267.25	\$18,613.80	\$4,653.45
XII. TRAFFIC CONTROL PLANS - PB					
A. TCP Narrative & Notes	\$11,107.00	75.0%	8,330.25	\$6,664.20	\$1,666.05
B. Advance Warning Signs	\$4,330.00	75.0%	3,247.50	\$2,598.00	\$649.50
C. TCP Layouts	\$67,504.00	75.0%	50,628.00	\$40,502.40	\$10,125.60
D. TCP Details	\$8,801.00	75.0%	6,600.75	\$5,280.60	\$1,320.15
Subtotal	\$91,742.00	75.0%	68,806.50	\$55,045.20	\$13,761.30
XIII. GAPPS SLOUGH BRIDGE CLASS CULVERT - PB					
A. Culvert Layout	\$3,982.00	75.0%	2,986.50	\$2,389.20	\$597.30
B. Culvert Details	\$16,183.00	75.0%	12,137.25	\$9,709.80	\$2,427.45
Subtotal	\$20,165.00	75.0%	15,123.75	\$12,099.00	\$3,024.75
XIV. RABBS BAYOU BRIDGE - PB					
A. Bridge Layouts	\$15,758.00	75.0%	\$11,818.50	\$9,454.80	\$2,363.70
B. Bridge Details	\$100,413.00	75.0%	75,309.75	\$60,247.80	\$15,061.95
Subtotal	\$116,171.00	75.0%	\$87,128.25	\$69,702.60	\$17,425.65



INVOICE No. 9
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 1/31/2016

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	75.0%	\$3,710.25	\$2,968.20	\$742.05
B. Wall Layout NB-1B	\$6,218.00	75.0%	\$4,663.50	\$3,730.80	\$932.70
C. Wall Layout NB-2	\$6,218.00	75.0%	\$4,663.50	\$3,730.80	\$932.70
D. Wall Layout NB-3	\$6,218.00	75.0%	\$4,663.50	\$3,730.80	\$932.70
E. Summaries & Standards	\$8,918.00	75.0%	\$6,688.50	\$5,350.80	\$1,337.70
Subtotal	\$32,519.00	75.0%	\$24,389.25	\$19,511.40	\$4,877.85
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	75.0%	\$8,779.50	\$7,023.60	\$1,755.90
B. Cost Estimates	\$3,765.00	75.0%	\$2,823.75	\$2,259.00	\$564.75
Subtotal	\$15,471.00	75.0%	\$11,603.25	\$9,282.60	\$2,320.65
Total PB Labor	\$343,815.00	71.7%	\$246,501.00	\$197,200.80	\$49,300.20
A. PB Expenses	\$8,595.00	75.0%	\$6,446.25	\$5,157.00	\$1,289.25
TOTAL PB COSTS	352,410.00	71.8%	252,947.25	202,357.80	50,589.45
XVIII. GEOTECHNICAL INVESTIGATIONS - HTS					
A. Field Work	\$22,425.00	100.0%	\$22,425.00	\$22,425.00	\$0.00
B. Install Piezometer	\$2,416.00	100.0%	\$2,416.00	\$2,416.00	\$0.00
C. Lab Testing	\$17,501.00	90.0%	\$15,750.90	\$15,750.90	\$0.00
D. Prepare Report	\$17,670.00	3.9%	\$689.10	\$689.10	\$0.00
Total	\$60,012.00	68.8%	\$41,281.00	\$41,281.00	\$0.00
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	\$90,000.00	\$0.00
C. Cross Section Rabb's Bayou & Gapp's Slough	\$6,380.00	100.0%	\$6,380.00	\$6,380.00	\$0.00
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	\$56,756.75	\$0.00
F. BNSF RR Survey	\$17,880.00	100.0%	\$17,880.00	\$17,880.00	\$0.00
G. Survey Thompson 's Road	\$14,260.00	100.0%	\$14,260.00	\$14,260.00	\$0.00
H. Detention Pond Survey	\$15,660.00	100.0%	\$15,660.00	\$15,660.00	\$0.00
Total	\$250,305.00	96.6%	\$241,773.35	\$241,773.35	\$0.00
TOTAL PROJECT	\$2,165,059.00	67.8%	\$1,467,817.15	\$1,314,914.15	\$152,903.00



Planners – Engineers – Program Managers

**CRABB RIVER ROAD
PS&E PHASE
PROGRESS REPORT NO. 9
January 2016**

Activities During Current Reporting Period

Task I. Roadway Design

- Incorporating comments to 60% submittal.
- Adding additional details to intersection design.
- Adding details to Thompson's Road design.

Task II. Drainage Design

- Incorporating comments to 60% submittal.
- Adding additional details to DA layouts.
- Met with TxDOT on January 20, 2016 to discuss design of Gapps Slough culvert.

Task III. Signing & Pavement Markings

- Incorporating comments to 60% submittal.
- Continuing to advance signing & striping design.

Task IV. Traffic Signals

- Incorporating comments to 60% submittal.

Task V. Miscellaneous Roadway

- Scheduled 60% coordination meeting with utility companies.
- Updated cross sections.

Task VI. General Notes & Specifications

- This task has not started.

Task VII. Construction Cost Estimate

- No activity this period.

Task VIII. Assemble PS&E

- No activity this period.

Task IX. Project Management & Coordination

- Conducted progress meeting with TxDOT PM.
- Met with TxDOT on January 7, 2016 to discuss partial 60% review comments.
- Submitted invoice & progress report.

- Updated project schedule.
- Updated County on progress.

Task X. Project Coordination & Administration – PB

- Attended design team meetings.

Task XI. SW3P Plans – PB

- Incorporating comments to 60% submittal.

Task XII. Traffic Control Plans – PB

- Incorporating comments to 60% submittal
- Preparing plans for TCAT meeting.

Task XIII. Gapps Slough Bridge Class Culvert– PB

- Continued design of bridge class culvert details.
- Incorporating 60% comments.

Task XIV. Rabbs Bayou Bridge– PB

- Continued design of bridge.
- Incorporating 60% comments.

Task XV. Noise Walls – PB

- Incorporating comments from 60% submittal.

Task XVI. Safety Lighting – PB

- This task has not started.

Task XVII. Submittals – PB

- Advancing plans to 90% submittal.

Task XVIII. Geotechnical Investigations – HTS

- No activity reported this period.

Task XIX. Field Surveying & ROW Mapping – HZI

- No activity reported this period.

Activities Anticipated Next Reporting Period

- Continue advancing plans to 90% submittal.
- Monitor status of RR exhibit review.
- Conduct 60% Utility Coordination Meeting.
- Schedule TCAT meeting

Peterson, Jillian

From: Don Durgin <Don.Durgin@klotz.com>
Sent: Tuesday, March 22, 2016 8:20 AM
To: Peterson, Jillian
Subject: PO 125695 - X28 CRR Design Invoice 009 & 010
Attachments: X28 CRR Invoice 009 - 10677.pdf; X28 CRR Invoice 010 - 10692.pdf

Jillian,

I have reviewed the two attached invoices and recommend approval. Please process for payment against PO 125695.
Thanks.

I'm not sure why the invoice 009 came so late, but it covers their January charges corresponding to their invoicing cycles.

Donald M. Durgin, P.E.
Transportation Practice Manager - RPS Klotz Associates
1160 Dairy Ashford, Suite 500
Houston, Texas, 77079
Tel: 281 589 7257
Mobile: 713 269 3913
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