

PO 125695
Rec 336778

11/17/15

AKP

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: 10613
Invoice Date: October 28, 2015
Billing Period: September 2015

Amendment Contract Amount: \$ 2,165,059.00

Total Contract: \$ 2,165,059.00

Fee Earned: \$ 710,131.90

Total Amount Earned: \$ 710,131.90

Less Previously Invoiced: \$ 494,483.00

494,483.00

Total Invoice Amount: \$ 215,648.90

*OK, JSS
11/17/15*

WA Amount Remaining: \$ 1,454,927.10



INVOICE No. 5
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 9/30/2015

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
I. ROADWAY DESIGN					
A. Typical Sections - Existing	\$10,933.00	80.0%	\$8,746.40	\$8,746.40	\$0.00
B. Crabb River Road Typ Sections - Proposed	\$42,971.00	60.0%	\$25,782.60	\$25,782.60	\$0.00
C. Proposed Typ Sections - Side streets	\$13,324.00	35.0%	\$4,663.40	\$3,331.00	\$1,332.40
D. Roadway P&P	\$141,167.00	40.0%	\$56,466.80	\$35,291.75	\$21,175.05
E. Horizontal Align Data	\$14,689.00	80.0%	\$11,751.20	\$11,751.20	\$0.00
F. Thompson Road P&P	\$23,853.00	30.0%	\$7,155.90	\$0.00	\$7,155.90
G. Intersections Layouts & Grading	\$53,992.00	30.0%	\$16,197.60	\$13,498.00	\$2,699.60
H. Misc Roadway Details	\$19,995.00		\$0.00	\$0.00	\$0.00
I. Driveway Table & Details	\$10,991.00	10.0%	\$1,099.10	\$1,099.10	\$0.00
J. Roadway Standards	\$8,024.00		\$0.00	\$0.00	\$0.00
K. Roadway Summaries	\$24,467.00		\$0.00	\$0.00	\$0.00
Subtotal	\$364,406.00	36.2%	\$131,863.00	\$99,500.05	\$32,362.95
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	60.0%	\$27,063.00	\$27,063.00	\$0.00
C. Drainage P&P	\$99,330.00	30.0%	\$29,799.00	\$19,866.00	\$9,933.00
D. Thompson Road Drainage P&P	\$26,221.00	30.0%	\$7,866.30	\$0.00	\$7,866.30
E. Crabb River Road Drainage Calcs	\$43,790.00	30.0%	\$13,137.00	\$8,758.00	\$4,379.00
F. Drainage Ditch Calcs	\$6,554.00	30.0%	\$1,966.20	\$0.00	\$1,966.20
G. Rabbs Bayou Bridge Calcs	\$13,871.00	40.0%	\$5,548.40	\$5,548.40	\$0.00
H. Gapps Slough Drainage Calcs	\$13,871.00	30.0%	\$4,161.30	\$2,774.20	\$1,387.10
I. Lateral Sheets	\$43,380.00	10.0%	\$4,338.00	\$0.00	\$4,338.00
J. Misc Drainage Details	\$13,242.00		\$0.00	\$0.00	\$0.00
K. Detention Pond - Rabbs Bayou	\$18,328.00	30.0%	\$5,498.40	\$3,665.60	\$1,832.80
L. Detention Pond #1 - Gapps Slough	\$14,850.00	30.0%	\$4,455.00	\$2,970.00	\$1,485.00
M. Detention Pond #2 - Gapps Slough	\$14,850.00	30.0%	\$4,455.00	\$2,970.00	\$1,485.00
N. Drainage Standards	\$8,676.00		\$0.00	\$0.00	\$0.00
O. Drainage Summaries	\$14,821.00		\$0.00	\$0.00	\$0.00
Subtotal	\$384,007.00	29.7%	\$113,982.00	\$79,309.60	\$34,672.40
III. SIGNING & PAVEMENT MARKINGS					
A. Sign & Pavement Marking Layouts	48,555.00	10.0%	\$4,855.50	\$4,855.50	\$0.00
B. Small Sign Summary	9,626.00		\$0.00	\$0.00	\$0.00
C. Pavement Marking Summary	9,626.00		\$0.00	\$0.00	\$0.00
D. Standard Details & Existing Sign Inventory	9,626.00		\$0.00	\$0.00	\$0.00
Subtotal	77,433.00	6.3%	4,855.50	4,855.50	0.00
IV. TRAFFIC SIGNALIZATION					
A. Signal Warrant - Tara Dr.	\$8,675.00	10.0%	\$867.50	\$0.00	\$867.50
B. Signal Warrant - Thompson Rd	\$8,676.00	10.0%	\$867.60	\$0.00	\$867.60
C. Signal Warrant - School Entrance	\$8,676.00	10.0%	\$867.60	\$0.00	\$867.60
D. Signal Design - Tara Dr.	\$23,123.00	25.0%	\$5,780.75	\$0.00	\$5,780.75
E. Signal Design - Thompsons Rd.	\$23,123.00	25.0%	\$5,780.75	\$0.00	\$5,780.75
F. Signal Design - School Entrance	\$23,123.00	25.0%	\$5,780.75	\$0.00	\$5,780.75
Subtotal	\$95,396.00	20.9%	\$19,944.95	\$0.00	\$19,944.95
V. MISCELLANEOUS ROADWAY					
A. Title Sheet	\$9,457.00	25.0%	\$2,364.25	\$1,891.40	\$472.85
B. Index Sheet	\$11,284.00		\$0.00	\$0.00	\$0.00
C. Project Layout Sheet	\$41,480.00	30.0%	\$12,444.00	\$10,370.00	\$2,074.00
D. Demo Sheet	\$31,307.00		\$0.00	\$0.00	\$0.00
E. Design Cross Sections	\$54,664.00	20.0%	\$10,932.80	\$5,466.40	\$5,466.40
F. Existing Utility Layouts	\$35,371.00	20.0%	\$7,074.20	\$3,537.10	\$3,537.10
G. Proposed Utility Plan	\$35,371.00		\$0.00	\$0.00	\$0.00
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	17.2%	\$44,509.25	\$32,958.90	\$11,550.35



INVOICE No. 5
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 9/30/2015

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	30.0%	\$6,033.60	\$0.00	\$6,033.60
Subtotal	20,112.00	30.0%	6,033.60	0.00	6,033.60
VIII. ASSEMBLE PS&E					
A. 30%	\$7,302.00	100.0%	\$7,302.00	\$0.00	\$7,302.00
B. 60%	\$7,302.00		\$0.00	\$0.00	\$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	25.0%	\$7,302.00	\$0.00	\$7,302.00
IX. PROJECT MANAGEMENT & COORDINATION					
A. Coord. w/ Co., TxDOT & Subs	\$49,110.00	35.0%	\$17,188.50	\$14,733.00	\$2,455.50
B. Monthly Progress Reports & Invoices	\$27,770.00	35.0%	\$9,719.50	\$8,331.00	\$1,388.50
C. Project Admin	\$32,945.00	35.0%	\$11,530.75	\$9,883.50	\$1,647.25
D. Prep & Update Schedule	\$38,995.00	35.0%	\$13,648.25	\$11,698.50	\$1,949.75
E. Attend Progress Meetings	\$28,794.00	35.0%	\$10,077.90	\$8,638.20	\$1,439.70
F. Coord. with Utilities	\$28,794.00	15.0%	\$4,319.10	\$4,319.10	\$0.00
G. QA/QC plan	\$24,847.00	20.0%	\$4,969.40	\$0.00	\$4,969.40
Subtotal	\$231,255.00	30.9%	\$71,453.40	\$57,603.30	\$13,850.10
Total IDC Labor	\$1,495,106.00	26.8%	\$399,943.70	\$274,227.35	\$125,716.35
Direct Costs					
A. IDC Expenses	\$7,226.00	20.0%	\$1,445.20	\$1,083.90	\$361.30
Total Direct Costs	\$7,226.00	20.0%	\$1,445.20	\$1,083.90	\$361.30
TOTAL IDC COSTS	1,502,332.00	26.7%	401,388.90	275,311.25	126,077.65
SUBCONSULTANTS					
X. PROJECT COORD & ADMIN - PB					
A. Coordination	\$7,600.00	30.0%	\$2,280.00	\$1,900.00	\$380.00
B. Meetings	\$5,059.00	30.0%	\$1,517.70	\$1,264.75	\$252.95
C. QA/QC	\$8,918.00	30.0%	\$2,675.40	\$2,229.50	\$445.90
Subtotal	\$21,577.00	30.0%	\$6,473.10	\$5,394.25	\$1,078.85
XI. SW3P PLANS - PB					
A. General Notes	\$1,026.00		\$0.00		\$0.00
B. Plans	\$29,997.00		\$0.00		\$0.00
Subtotal	\$31,023.00	0.0%	\$0.00	\$0.00	\$0.00
XII. TRAFFIC CONTROL PLANS - PB					
A. TCP Narrative & Notes	\$11,107.00	30.0%	3,332.10	\$2,776.75	\$555.35
B. Advance Warning Signs	\$4,330.00	30.0%	1,299.00	\$1,082.50	\$216.50
C. TCP Layouts	\$67,504.00	30.0%	20,251.20	\$16,876.00	\$3,375.20
D. TCP Details	\$8,801.00	30.0%	2,640.30	\$2,200.25	\$440.05
Subtotal	\$91,742.00	30.0%	27,522.60	\$22,935.50	\$4,587.10
XIII. GAPPS SLOUGH BRIDGE CLASS CULVERT - PB					
A. Culvert Layout	\$3,982.00	30.0%	1,194.60	\$995.50	\$199.10
B. Culvert Details	\$16,183.00	30.0%	4,854.90	\$4,045.75	\$809.15
Subtotal	\$20,165.00	30.0%	6,049.50	\$5,041.25	\$1,008.25
XIV. RABBS BAYOU BRIDGE - PB					
A. Bridge Layouts	\$15,758.00	30.0%	\$4,727.40	\$3,939.50	\$787.90
B. Bridge Details	\$100,413.00	30.0%	\$30,123.90	\$25,103.25	\$5,020.65
Subtotal	\$116,171.00	30.0%	\$34,851.30	\$29,042.75	\$5,808.55



INVOICE No. 5
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 9/30/2015

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	30.0%	\$1,484.10	\$1,236.75	\$247.35
B. Wall Layout NB-1B	\$6,218.00	30.0%	\$1,865.40	\$1,554.50	\$310.90
C. Wall Layout NB-2	\$6,218.00	30.0%	\$1,865.40	\$1,554.50	\$310.90
D. Wall Layout NB-3	\$6,218.00	30.0%	\$1,865.40	\$1,554.50	\$310.90
E. Summaries & Standards	\$8,918.00	30.0%	\$2,675.40	\$2,229.50	\$445.90
Subtotal	\$32,519.00	10.0%	\$9,755.70	\$8,129.75	\$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	30.0%	\$3,511.80	\$2,926.50	\$585.30
B. Cost Estimates	\$3,765.00	30.0%	\$1,129.50	\$941.25	\$188.25
Subtotal	\$15,471.00	30.0%	\$4,641.30	\$3,867.75	\$773.55
Total PB Labor	\$343,815.00	26.0%	\$89,293.50	\$74,411.25	\$14,882.25
A. PB Expenses	\$8,595.00	30.0%	\$2,578.50	\$2,148.75	\$429.75
TOTAL PB COSTS	352,410.00	26.1%	91,872.00	76,560.00	15,312.00
XVIII. GEOTECHNICAL INVESTIGATIONS - HTS					
A. Field Work	\$22,425.00	91.7%	\$20,574.60		\$20,574.60
B. Install Piezometer	\$2,416.00	90.0%	\$2,174.40		\$2,174.40
C. Lab Testing	\$17,501.00		\$0.00		\$0.00
D. Prepare Report	\$17,670.00		\$0.00		\$0.00
Total	\$60,012.00	37.9%	\$22,749.00	\$0.00	\$22,749.00
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	99.0%	\$89,058.90	\$78,324.90	\$10,734.00
C. Cross Section Rabb's Bayou & Gapp's Slough	\$6,380.00	87.6%	\$5,590.00	\$5,590.00	\$0.00
D. Prepare ROW Maps & Documents	\$38,920.00	67.8%	\$26,381.60	\$23,401.60	\$2,980.00
E. Deed Research & ROW Monumentation	\$64,205.00	52.8%	\$33,919.25	\$14,769.25	\$19,150.00
F. BNSF RR Survey	\$17,880.00	88.4%	\$15,813.50	\$9,131.00	\$6,682.50
G. Survey Thompson 's Road	\$14,260.00	53.3%	\$7,595.00	\$7,130.00	\$465.00
H. Detention Pond Survey	\$15,660.00	81.5%	\$12,763.75	\$1,265.00	\$11,498.75
Total	\$250,305.00	77.6%	\$194,122.00	\$142,611.75	\$51,510.25
TOTAL PROJECT	\$2,165,059.00	32.8%	\$710,131.90	\$494,483.00	\$215,648.90



Planners – Engineers – Program Managers

**CRABB RIVER ROAD
PS&E PHASE
PROGRESS REPORT NO. 5
September 2015**

Activities During Current Reporting Period

Task I. Roadway Design

- Prepared plans for 30% submittal.
- Advanced roadway P&P design for 30% submittal.
- Prepared intersection layouts for 30% submittal.

Task II. Drainage Design

- Prepared drainage design for 30% submittal.
- Continued work on watershed map for final drainage design and DAs.
- Analyzed WSE at Rabbs Bayou & Gapps Slough .
- Prepared storm sewer design for 30% submittal.
- Prepared detention pond layouts for 30% submittal.

Task III. Signing & Pavement Markings

- No activity this period.

Task IV. Traffic Signals

- Started preparing signal warrant studies.
- Started preparing traffic signal layouts.

Task V. Miscellaneous Roadway

- Revised RR Exhibit based on new alignment.
- Prepared Title sheet for 30% submittal
- Prepared cross sections for 30% submittal.
- Continued preparing utility layouts for utility coordination meeting.

Task VI. General Notes & Specifications

- This task has not started.

Task VII. Construction Cost Estimate

- Prepared cost estimate for 30% submittal.

Task VIII. Assemble PS&E

- Assembled 30% plan set and submitted on 9/16/15.

Task IX. Project Management & Coordination

- Submitted 30% plans for review.
- Revised roadway alignment @ Thompson Highway & over RR Crossing according to approved alternative alignment as approved by TxDOT & County.
- Conducted progress meeting with TxDOT PM.
- Prepared & submitted invoice & progress report.
- Updated project schedule.

Task X. Project Coordination & Administration – PB

- Attended design team meetings.
- Attended progress meeting.
- Prepared plans for 30% submittal.

Task XI. SW3P Plans – PB

- This task has not started.

Task XII. Traffic Control Plans – PB

- Prepared TCP design for 30% submittal.

Task XIII. Gapps Slough Bridge Class Culvert– PB

- Prepared preliminary bridge layouts and submitted to TxDOT for review.

Task XIV. Rabbs Bayou Bridge– PB

- TxDOT agreed with recommendation in bridge condition report to replace existing bridge.
- Redesigned bridge to be a replacement structure instead of widening the existing structure.
- Prepared preliminary bridge layouts and submitted to TxDOT for review.

Task XV. Noise Walls – PB

- Prepared noise wall layouts for 30% submittal.

Task XVI. Safety Lighting – PB

- This task has not started.

Task XVII. Submittals – PB

- Prepared drawings for 30% submittal.

Task XVIII. Geotechnical Investigations – HTS

- Finished field work in all accessible areas.

Task XIX. Field Surveying & ROW Mapping – HZI

- Topographic survey is finished except for minor design pick-ups.
- RR ROW survey is continuing.
- Started ROW mapping

Activities Anticipated Next Reporting Period

- Receive 30% PS&E review comments from TxDOT.
- Monitor status of RR exhibit review.
- Schedule TCP workshop.
- Prepare preliminary ROW maps for internal review.



70 125695 AP

Planners - Engineers - Program Managers

October 28, 2015

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

Re: Billing Period No. 5
IDC Invoice No. 10613
Services through September 2015
Purchase Order No.: 125695
Project No. 402-0402
Crabb River Road from Rabbs Bayou to South of LCISD New HS/JHS Complex.

Dear Mr. Stolleis:

Enclosed is IDC's revised invoice for services performed through September 2015 in the amount of \$215,648.90 for your consideration and further handling. Two copies of the following documents are attached:

- Invoice No. 10613
- Progress Report No. 5

Sincerely,
IDC Inc.

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

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

Peterson, Jillian

From: Don Durgin <Don.Durgin@klotz.com>
Sent: Wednesday, November 11, 2015 3:24 PM
To: Peterson, Jillian
Subject: X28 Crabb River Road Final Design (PO 125695) Invoices 004 & 005
Attachments: X28 CRR Invoice 004 - 10586.pdf; X28 CRR Invoice 005 - 10613.pdf

Jillian,

Here are two invoices for the Crabb River Road Final Design. I have reviewed them and find the charges appropriate and the numbers add up. Please process for payment. Thanks.

Donald Durgin, P.E.
Department Manager - RPS Klotz Associates
1160 Dairy Ashford, Suite 500
Houston, Texas, 77079
Tel: 281 589 7257
Mobile: 713 269 3913
Email: Don.Durgin@klotz.com
www: rpsgroup.com | klotz.com
