



Planners - Engineers - Program Managers

PO 125695
Rec 369552

8/10/14

June 21, 2016

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

Re: Billing Period No. 13
IDC Invoice No. 10727
Services through May 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 invoice for services performed through May 2016 in the amount of \$13,450.32 for your consideration and further handling. Two copies of the following documents are attached:

- Invoice No. 10727
- Progress Report No. 13

Sincerely,
IDCUS Inc.

Larry F. Janak, P.E.
Principal

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: 10727
Invoice Date: June 21, 2016
Billing Period: May 2016

Amendment Contract Amount: \$ 2,165,059.00

Total Contract: \$ 2,165,059.00

Fee Earned: \$ 1,833,207.22

Total Amount Earned: \$ 1,833,207.22

Less Previously Invoiced: \$ 1,819,756.90

1,819,756.90

Total Invoice Amount: \$ 13,450.32

*OK, JSS
08/10/16*

WA Amount Remaining: \$ 331,851.78



INVOICE No. 13
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 5/31/2016

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
I. ROADWAY DESIGN					
A. Typical Sections - Existing	\$10,933.00	100.0%	\$10,933.00	\$10,933.00	\$0.00
B. Crabb River Road Typ Sections - Proposed	\$42,971.00	90.0%	\$38,673.90	\$38,673.90	\$0.00
C. Proposed Typ Sections - Side streets	\$13,324.00	90.0%	\$11,991.60	\$11,991.60	\$0.00
D. Roadway P&P	\$141,167.00	90.0%	\$127,050.30	\$127,050.30	\$0.00
E. Horizontal Align Data	\$14,689.00	100.0%	\$14,689.00	\$14,689.00	\$0.00
F. Thompson Road P&P	\$23,853.00	90.0%	\$21,467.70	\$21,467.70	\$0.00
G. Intersections Layouts & Grading	\$53,992.00	90.0%	\$48,592.80	\$48,592.80	\$0.00
H. Misc Roadway Details	\$19,995.00	85.0%	\$16,995.75	\$15,996.00	\$999.75
I. Driveway Table & Details	\$10,991.00	85.0%	\$9,342.35	\$9,342.35	\$0.00
J. Roadway Standards	\$8,024.00	70.0%	\$5,616.80	\$4,012.00	\$1,604.80
K. Roadway Summaries	\$24,467.00	60.0%	\$14,680.20	\$14,680.20	\$0.00
Subtotal	\$364,406.00	87.8%	\$320,033.40	\$317,428.85	\$2,604.55
II. DRAINAGE DESIGN					
A. Drainage Area Watershed Map	\$7,118.00	90.0%	\$6,406.20	\$6,406.20	\$0.00
B. DA Layouts	\$45,105.00	90.0%	\$40,594.50	\$40,594.50	\$0.00
C. Drainage P&P	\$99,330.00	85.0%	\$84,430.50	\$84,430.50	\$0.00
D. Thompson Road Drainage P&P	\$26,221.00	85.0%	\$22,287.85	\$22,287.85	\$0.00
E. Crabb River Road Drainage Calcs	\$43,790.00	85.0%	\$37,221.50	\$37,221.50	\$0.00
F. Drainage Ditch Calcs	\$6,554.00	85.0%	\$5,570.90	\$5,570.90	\$0.00
G. Rabbs Bayou Bridge Calcs	\$13,871.00	85.0%	\$11,790.35	\$11,790.35	\$0.00
H. Gapps Slough Drainage Calcs	\$13,871.00	85.0%	\$11,790.35	\$11,790.35	\$0.00
I. Lateral Sheets	\$43,380.00	85.0%	\$36,873.00	\$36,873.00	\$0.00
J. Misc Drainage Details	\$13,242.00	80.0%	\$10,593.60	\$9,931.50	\$662.10
K. Detention Pond - Rabbs Bayou	\$18,328.00	80.0%	\$14,662.40	\$14,662.40	\$0.00
L. Detention Pond #1 - Gapps Slough	\$14,850.00	80.0%	\$11,880.00	\$11,880.00	\$0.00
M. Detention Pond #2 - Gapps Slough	\$14,850.00	80.0%	\$11,880.00	\$11,880.00	\$0.00
N. Drainage Standards	\$8,676.00	80.0%	\$6,940.80	\$6,507.00	\$433.80
O. Drainage Summaries	\$14,821.00	60.0%	\$8,892.60	\$8,892.60	\$0.00
Subtotal	\$384,007.00	83.8%	\$321,814.55	\$320,718.65	\$1,096.90
III. SIGNING & PAVEMENT MARKINGS					
A. Sign & Pavement Marking Layouts	48,555.00	90.0%	\$43,699.50	\$43,699.50	\$0.00
B. Small Sign Summary	9,626.00	70.0%	\$6,738.20	\$5,775.60	\$962.60
C. Pavement Marking Summary	9,626.00	70.0%	\$6,738.20	\$5,775.60	\$962.60
D. Standard Details & Existing Sign Inventory	9,626.00	70.0%	\$6,738.20	\$6,738.20	\$0.00
Subtotal	77,433.00	82.5%	63,914.10	61,988.90	1,925.20
IV. TRAFFIC SIGNALIZATION					
A. Signal Warrant - Tara Dr.	\$8,675.00	90.0%	\$7,807.50	\$7,807.50	\$0.00
B. Signal Warrant - Thompson Rd	\$8,676.00	90.0%	\$7,808.40	\$7,808.40	\$0.00
C. Signal Warrant - School Entrance	\$8,676.00	90.0%	\$7,808.40	\$7,808.40	\$0.00
D. Signal Design - Tara Dr.	\$23,123.00	85.0%	\$19,654.55	\$19,654.55	\$0.00
E. Signal Design - Thompsons Rd.	\$23,123.00	85.0%	\$19,654.55	\$19,654.55	\$0.00
F. Signal Design - School Entrance	\$23,123.00	85.0%	\$19,654.55	\$19,654.55	\$0.00
Subtotal	\$95,396.00	86.4%	\$82,387.95	\$82,387.95	\$0.00
V. MISCELLANEOUS ROADWAY					
A. Title Sheet	\$9,457.00	80.0%	\$7,565.60	\$7,565.60	\$0.00
B. Index Sheet	\$11,284.00	60.0%	\$6,770.40	\$6,770.40	\$0.00
C. Project Layout Sheet	\$41,480.00	90.0%	\$37,332.00	\$37,332.00	\$0.00
D. Demo Sheet	\$31,307.00	90.0%	\$28,176.30	\$28,176.30	\$0.00
E. Design Cross Sections	\$54,664.00	80.0%	\$43,731.20	\$43,731.20	\$0.00
F. Existing Utility Layouts	\$35,371.00	80.0%	\$28,296.80	\$28,296.80	\$0.00
G. Proposed Utility Plan	\$35,371.00	80.0%	\$28,296.80	\$28,296.80	\$0.00
H. Utility Details	\$18,766.00	75.0%	\$14,074.50	\$11,259.60	\$2,814.90
I. Utility Summaries	\$9,517.00	75.0%	\$7,137.75	\$5,710.20	\$1,427.55
J. BNSF RR Exhibit	\$11,694.00	100.0%	11,694.00	\$11,694.00	\$0.00
Subtotal	\$258,911.00	82.3%	\$213,075.35	\$208,832.90	\$4,242.45



INVOICE No. 13
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 5/31/2016

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	50.0%	\$8,594.00	\$6,875.20	\$1,718.80
B. Prepare Special Specs & Provisions	17,189.00	50.0%	\$8,594.50	\$6,875.60	\$1,718.90
Subtotal	34,377.00	50.0%	17,188.50	13,750.80	3,437.70
VII. CONSTRUCTION COST ESTIMATE					
A. Estimate Const Cost At 30%, 60%, 90%, 100% & Final	20,112.00	80.0%	\$16,089.60	\$16,089.60	\$0.00
Subtotal	20,112.00	80.0%	16,089.60	16,089.60	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	100.0%	\$7,302.00	\$7,302.00	\$0.00
D. Final Submittal	\$7,303.00		\$0.00	\$0.00	\$0.00
Subtotal	\$29,209.00	75.0%	\$21,906.00	\$21,906.00	\$0.00
IX. PROJECT MANAGEMENT & COORDINATION					
A. Coord. w/ Co., TxDOT & Subs	\$49,110.00	80.0%	\$39,288.00	\$39,288.00	\$0.00
B. Monthly Progress Reports & Invoices	\$27,770.00	80.0%	\$22,216.00	\$22,216.00	\$0.00
C. Project Admin	\$32,945.00	80.0%	\$26,356.00	\$26,356.00	\$0.00
D. Prep & Update Schedule	\$38,995.00	80.0%	\$31,196.00	\$31,196.00	\$0.00
E. Attend Progress Meetings	\$28,794.00	80.0%	\$23,035.20	\$23,035.20	\$0.00
F. Coord. with Utilities	\$28,794.00	80.0%	\$23,035.20	\$23,035.20	\$0.00
G. QA/QC plan	\$24,847.00	80.0%	\$19,877.60	\$19,877.60	\$0.00
Subtotal	\$231,255.00	80.0%	\$185,004.00	\$185,004.00	\$0.00
Total IDC Labor	\$1,495,106.00	83.0%	\$1,241,413.45	\$1,228,107.65	\$13,305.80
Direct Costs					
A. IDC Expenses	\$7,226.00	72.0%	\$5,202.72	\$5,058.20	\$144.52
Total Direct Costs	\$7,226.00	72.0%	\$5,202.72	\$5,058.20	\$144.52
TOTAL IDC COSTS	1,502,332.00	83.0%	1,246,616.17	1,233,165.85	13,450.32
SUBCONSULTANTS					
X. PROJECT COORD & ADMIN - PB					
A. Coordination	\$7,600.00	90.0%	\$6,840.00	\$6,840.00	\$0.00
B. Meetings	\$5,059.00	90.0%	4,553.10	\$4,553.10	\$0.00
C. QA/QC	\$8,918.00	90.0%	\$8,026.20	\$8,026.20	\$0.00
Subtotal	\$21,577.00	90.0%	\$19,419.30	\$19,419.30	\$0.00
XI. SW3P PLANS - PB					
A. General Notes	\$1,026.00	90.0%	\$923.40	\$923.40	\$0.00
B. Plans	\$29,997.00	90.0%	\$26,997.30	\$26,997.30	\$0.00
Subtotal	\$31,023.00	90.0%	\$27,920.70	\$27,920.70	\$0.00
XII. TRAFFIC CONTROL PLANS - PB					
A. TCP Narrative & Notes	\$11,107.00	90.0%	9,996.30	\$9,996.30	\$0.00
B. Advance Warning Signs	\$4,330.00	90.0%	3,897.00	\$3,897.00	\$0.00
C. TCP Layouts	\$67,504.00	90.0%	60,753.60	\$60,753.60	\$0.00
D. TCP Details	\$8,801.00	90.0%	7,920.90	\$7,920.90	\$0.00
Subtotal	\$91,742.00	90.0%	82,567.80	\$82,567.80	\$0.00
XIII. GAPPS SLOUGH BRIDGE CLASS CULVERT - PB					
A. Culvert Layout	\$3,982.00	90.0%	3,583.80	\$3,583.80	\$0.00
B. Culvert Details	\$16,183.00	90.0%	14,564.70	\$14,564.70	\$0.00
Subtotal	\$20,165.00	90.0%	18,148.50	\$18,148.50	\$0.00
XIV. RABBS BAYOU BRIDGE - PB					
A. Bridge Layouts	\$15,758.00	90.0%	\$14,182.20	\$14,182.20	\$0.00
B. Bridge Details	\$100,413.00	90.0%	\$90,371.70	\$90,371.70	\$0.00
Subtotal	\$116,171.00	90.0%	\$104,553.90	\$104,553.90	\$0.00

INVOICE No. 13
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 5/31/2016

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	90.0%	\$4,452.30	\$4,452.30	\$0.00
B. Wall Layout NB-1B	\$6,218.00	90.0%	\$5,596.20	\$5,596.20	\$0.00
C. Wall Layout NB-2	\$6,218.00	90.0%	\$5,596.20	\$5,596.20	\$0.00
D. Wall Layout NB-3	\$6,218.00	90.0%	\$5,596.20	\$5,596.20	\$0.00
E. Summaries & Standards	\$8,918.00	90.0%	\$8,026.20	\$8,026.20	\$0.00
Subtotal	\$32,519.00	90.0%	\$29,267.10	\$29,267.10	\$0.00
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	90.0%	\$10,535.40	\$10,535.40	\$0.00
B. Cost Estimates	\$3,765.00	90.0%	\$3,388.50	\$3,388.50	\$0.00
Subtotal	\$15,471.00	90.0%	\$13,923.90	\$13,923.90	\$0.00
Total PB Labor	\$343,815.00	86.0%	\$295,801.20	\$295,801.20	\$0.00
A. PB Expenses	\$8,595.00	90.0%	\$7,735.50	\$7,735.50	\$0.00
TOTAL PB COSTS	352,410.00	86.1%	303,536.70	303,536.70	0.00
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	84.7%	\$1,833,207.22	\$1,819,756.90	\$13,450.32



Planners – Engineers – Program Managers

**CRABB RIVER ROAD
PS&E PHASE
PROGRESS REPORT NO. 13
May 2016**

Activities During Current Reporting Period

Task I. Roadway Design

- Continued incorporating 90% comments.
- Refined design on intersection layout/grading plans.
- Reviewing standard drawings for applicability.

Task II. Drainage Design

- Continued incorporating 90% comments.
- Reviewing drainage standards for applicability.

Task III. Signing & Pavement Markings

- Continued incorporating 90% comments.
- Advancing sign & pavement marking summaries.

Task IV. Traffic Signals

- No activity this period.

Task V. Miscellaneous Roadway

- Continued incorporating 90% comments.
- Attended 2nd TCAT meeting with TxDOT.
- Refined utility layouts.

Task VI. General Notes & Specifications

- Revising list of General Notes & Specs.

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.
- Submitted invoice & progress report.
- Updated project schedule.
- Updated County on progress.

- Attended T-CAT on May 17th.
- County reviewing additional work proposal submitted to in March.

Task X. Project Coordination & Administration – PB

- No activity reported this period.

Task XI. SW3P Plans – PB

- No activity reported this period.

Task XII. Traffic Control Plans – PB

- No activity reported this period.

Task XIII. Gapps Slough Bridge Class Culvert– PB

- No activity reported this period.

Task XIV. Rabbs Bayou Bridge– PB

- No activity reported this period.

Task XV. Noise Walls – PB

- No activity reported this period.

Task XVI. Safety Lighting – PB

- No activity reported this period.

Task XVII. Submittals – PB

- No activity reported this period.

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

- Submit 95% PS&E to TxDOT for review.
- Receive comments from TxDOT on Parcel Sketches & Metes & Bounds Description.
- Monitor status of RR exhibit review.
- Receive bridge layout approval from TxDOT.
- Negotiate Extra Work Proposal with County.
- Submit bridge scour analysis,

Peterson, Jillian

From: Don Durgin <Don.Durgin@klotz.com>
Sent: Friday, August 05, 2016 9:23 AM
To: Peterson, Jillian
Subject: X28 CRR Design Invoice 012, 013, and 014
Attachments: X28 CRR Invoice 012 - 10722.pdf; X28 CRR Invoice 013 - 10727.pdf; X28 CRR Invoice 014 - 10736.pdf

Jillian,

Please see the attached three invoice for the Design phase of Crabb River Road, PO number 125695. Invoice 012 was submitted to Gabrielle while you were on vacation, but I have not seen it on Court yet. The plans are at 95% complete.

I recommend approval. Please process for payment. Thanks.

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
Email: Don.Durgin@klotz.com
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