



Planners - Engineers - Program Managers

PO 125695
Rec 3069553

APP

8/10/14

July 18, 2016

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

Re: Billing Period No. 14
IDC Invoice No. 10736
Services through June 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 June 2016 in the amount of \$89,123.00 for your consideration and further handling. Two copies of the following documents are attached:

- Invoice No. 10736
- Progress Report No. 14

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: 10736
Invoice Date: July 18, 2016
Billing Period: June 2016

Amendment Contract Amount: \$ 2,165,059.00

Total Contract: \$ 2,165,059.00

Fee Earned: \$ 1,922,330.22

Total Amount Earned: \$ 1,922,330.22

Less Previously Invoiced: \$ 1,833,207.22

1,833,207.22

Total Invoice Amount: \$ 89,123.00

*OK, JSS
08/10/16*

WA Amount Remaining: \$ 242,728.78



INVOICE No. 14
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 6/30/2016

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	90.0%	\$17,995.50	\$16,995.75	\$999.75
I. Driveway Table & Details	\$10,991.00	90.0%	\$9,891.90	\$9,342.35	\$549.55
J. Roadway Standards	\$8,024.00	90.0%	\$7,221.60	\$5,616.80	\$1,604.80
K. Roadway Summaries	\$24,467.00	75.0%	\$18,350.25	\$14,680.20	\$3,670.05
Subtotal	\$364,406.00	89.7%	\$326,857.55	\$320,033.40	\$6,824.15
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	90.0%	\$89,397.00	\$84,430.50	\$4,966.50
D. Thompson Road Drainage P&P	\$26,221.00	90.0%	\$23,598.90	\$22,287.85	\$1,311.05
E. Crabb River Road Drainage Calcs	\$43,790.00	90.0%	\$39,411.00	\$37,221.50	\$2,189.50
F. Drainage Ditch Calcs	\$6,554.00	90.0%	\$5,898.60	\$5,570.90	\$327.70
G. Rabbs Bayou Bridge Calcs	\$13,871.00	90.0%	\$12,483.90	\$11,790.35	\$693.55
H. Gapps Slough Drainage Calcs	\$13,871.00	90.0%	\$12,483.90	\$11,790.35	\$693.55
I. Lateral Sheets	\$43,380.00	90.0%	\$39,042.00	\$36,873.00	\$2,169.00
J. Misc Drainage Details	\$13,242.00	90.0%	\$11,917.80	\$10,593.60	\$1,324.20
K. Detention Pond - Rabbs Bayou	\$18,328.00	90.0%	\$16,495.20	\$14,662.40	\$1,832.80
L. Detention Pond #1 - Gapps Slough	\$14,850.00	90.0%	\$13,365.00	\$11,880.00	\$1,485.00
M. Detention Pond #2 - Gapps Slough	\$14,850.00	90.0%	\$13,365.00	\$11,880.00	\$1,485.00
N. Drainage Standards	\$8,676.00	90.0%	\$7,808.40	\$6,940.80	\$867.60
O. Drainage Summaries	\$14,821.00	75.0%	\$11,115.75	\$8,892.60	\$2,223.15
Subtotal	\$384,007.00	89.4%	\$343,383.15	\$321,814.55	\$21,568.60
III. SIGNING & PAVEMENT MARKINGS					
A. Sign & Pavement Marking Layouts	43,555.00	90.0%	\$43,699.50	\$43,699.50	\$0.00
B. Small Sign Summary	9,626.00	75.0%	\$7,219.50	\$6,738.20	\$481.30
C. Pavement Marking Summary	9,626.00	75.0%	\$7,219.50	\$6,738.20	\$481.30
D. Standard Details & Existing Sign Inventory	9,626.00	90.0%	\$8,663.40	\$6,738.20	\$1,925.20
Subtotal	77,433.00	86.3%	66,801.90	63,914.10	2,887.80
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	90.0%	\$20,810.70	\$19,654.55	\$1,156.15
E. Signal Design - Thompsons Rd.	\$23,123.00	90.0%	\$20,810.70	\$19,654.55	\$1,156.15
F. Signal Design - School Entrance	\$23,123.00	90.0%	\$20,810.70	\$19,654.55	\$1,156.15
Subtotal	\$95,396.00	90.0%	\$85,856.40	\$82,387.95	\$3,468.45
V. MISCELLANEOUS ROADWAY					
A. Title Sheet	\$9,457.00	90.0%	\$8,511.30	\$7,565.60	\$945.70
B. Index Sheet	\$11,284.00	80.0%	\$9,027.20	\$6,770.40	\$2,256.80
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	90.0%	\$49,197.60	\$43,731.20	\$5,466.40
F. Existing Utility Layouts	\$35,371.00	90.0%	\$31,833.90	\$28,296.80	\$3,537.10
G. Proposed Utility Plan	\$35,371.00	90.0%	\$31,833.90	\$28,296.80	\$3,537.10
H. Utility Details	\$18,766.00	85.0%	\$15,951.10	\$14,074.50	\$1,876.60
I. Utility Summaries	\$9,517.00	75.0%	7,137.75	\$7,137.75	\$0.00
J. BNSF RR Exhibit	\$11,694.00	100.0%	11,694.0000	\$11,694.00	\$0.00
Subtotal	\$258,911.00	89.1%	\$230,695.05	\$213,075.35	\$17,619.70



INVOICE No. 14
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 6/30/2016

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	75.0%	\$12,891.00	\$8,594.00	\$4,297.00
B. Prepare Special Specs & Provisions	17,189.00	75.0%	\$12,891.75	\$8,594.50	\$4,297.25
Subtotal	34,377.00	75.0%	25,782.75	17,188.50	8,594.25
VII. CONSTRUCTION COST ESTIMATE					
A. Estimate Const Cost At 30%, 60%, 90%, 100% & Final	20,112.00	90.0%	\$18,100.80	\$16,089.60	\$2,011.20
Subtotal	20,112.00	90.0%	18,100.80	16,089.60	2,011.20
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	84.0%	\$41,252.40	\$39,288.00	\$1,964.40
B. Monthly Progress Reports & Invoices	\$27,770.00	84.0%	\$23,326.80	\$22,216.00	\$1,110.80
C. Project Admin	\$32,945.00	84.0%	\$27,673.80	\$26,356.00	\$1,317.80
D. Prep & Update Schedule	\$38,995.00	84.0%	\$32,755.80	\$31,196.00	\$1,559.80
E. Attend Progress Meetings	\$28,794.00	84.0%	\$24,186.96	\$23,035.20	\$1,151.76
F. Coord. with Utilities	\$28,794.00	84.0%	\$24,186.96	\$23,035.20	\$1,151.76
G. QA/QC plan	\$24,847.00	85.0%	\$21,119.95	\$19,877.60	\$1,242.35
Subtotal	\$231,255.00	84.1%	\$194,502.67	\$185,004.00	\$9,498.67
Total IDC Labor	\$1,495,106.00	87.9%	\$1,313,886.27	\$1,241,413.45	\$72,472.82
Direct Costs					
A. IDC Expenses	\$7,226.00	75.00%	\$5,419.50	\$5,202.72	\$216.78
Total Direct Costs	\$7,226.00	75.0%	\$5,419.50	\$5,202.72	\$216.78
TOTAL IDC COSTS	1,502,332.00	87.8%	1,319,305.77	1,246,616.17	72,689.60
SUBCONSULTANTS					
X. PROJECT COORD & ADMIN - PB					
A. Coordination	\$7,600.00	95.0%	\$7,220.00	\$6,840.00	\$380.00
B. Meetings	\$5,059.00	95.0%	4,806.05	\$4,553.10	\$252.95
C. QA/QC	\$8,918.00	95.0%	\$8,472.10	\$8,026.20	\$445.90
Subtotal	\$21,577.00	95.0%	\$20,498.15	\$19,419.30	\$1,078.85
XI. SW3P PLANS - PB					
A. General Notes	\$1,026.00	95.0%	\$974.70	\$923.40	\$51.30
B. Plans	\$29,997.00	95.0%	\$28,497.15	\$26,997.30	\$1,499.85
Subtotal	\$31,023.00	95.0%	\$29,471.85	\$27,920.70	\$1,551.15
XII. TRAFFIC CONTROL PLANS - PB					
A. TCP Narrative & Notes	\$11,107.00	95.0%	10,551.65	\$9,996.30	\$555.35
B. Advance Warning Signs	\$4,330.00	95.0%	4,113.50	\$3,897.00	\$216.50
C. TCP Layouts	\$67,504.00	95.0%	64,128.80	\$60,753.60	\$3,375.20
D. TCP Details	\$8,801.00	95.0%	8,360.95	\$7,920.90	\$440.05
Subtotal	\$91,742.00	95.0%	87,154.90	\$82,567.80	\$4,587.10
XIII. GAPPS SLOUGH BRIDGE CLASS CULVERT - PB					
A. Culvert Layout	\$3,982.00	95.0%	3,782.90	\$3,583.80	\$199.10
B. Culvert Details	\$16,183.00	95.0%	15,373.85	\$14,564.70	\$809.15
Subtotal	\$20,165.00	95.0%	19,156.75	\$18,148.50	\$1,008.25
XIV. RABBS BAYOU BRIDGE - PB					
A. Bridge Layouts	\$15,758.00	95.0%	\$14,970.10	\$14,182.20	\$787.90
B. Bridge Details	\$100,413.00	95.0%	95,392.35	\$90,371.70	\$5,020.65
Subtotal	\$116,171.00	95.0%	\$110,362.45	\$104,553.90	\$5,808.55

INVOICE No. 14
 CRABB RIVER ROAD PS&E
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 6/30/2016

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	95.0%	\$4,699.65	\$4,452.30	\$247.35
B. Wall Layout NB-1B	\$6,218.00	95.0%	\$5,907.10	\$5,596.20	\$310.90
C. Wall Layout NB-2	\$6,218.00	95.0%	\$5,907.10	\$5,596.20	\$310.90
D. Wall Layout NB-3	\$6,218.00	95.0%	\$5,907.10	\$5,596.20	\$310.90
E. Summaries & Standards	\$8,918.00	95.0%	\$8,472.10	\$8,026.20	\$445.90
Subtotal	\$32,519.00	95.0%	\$30,893.05	\$29,267.10	\$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	95.0%	\$11,120.70	\$10,535.40	\$585.30
B. Cost Estimates	\$3,765.00	95.0%	\$3,576.75	\$3,388.50	\$188.25
Subtotal	\$15,471.00	95.0%	\$14,697.45	\$13,923.90	\$773.55
Total PB Labor	\$343,815.00	90.8%	\$312,234.60	\$295,801.20	\$16,433.40
A. PB Expenses	\$8,595.00	90.0%	\$7,735.50	\$7,735.50	\$0.00
TOTAL PB COSTS	352,410.00	90.8%	319,970.10	303,536.70	16,433.40
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	88.8%	\$1,922,330.22	\$1,833,207.22	\$89,123.00



Planners – Engineers – Program Managers

**CRABB RIVER ROAD
PS&E PHASE
PROGRESS REPORT NO. 14
June 2016**

Activities During Current Reporting Period

Task I. Roadway Design

- Advanced overall roadway design to 95% level.
- Finished quantity take-off and summary sheets for 95% submittal.

Task II. Drainage Design

- Advanced overall drainage design to 95% level.
- Finished detention pond design.
- Finished quantity take-off and summary sheets for 95% submittal.
- Scour analysis approved.

Task III. Signing & Pavement Markings

- Advanced overall signing & pavement marking sheets to 95% level.
- Finished sign summary sheets.

Task IV. Traffic Signals

- Advanced overall traffic signal sheets to 95% level.

Task V. Miscellaneous Roadway

- Advanced plans to 95% level.
- Started preparing for next utility meeting.
- Design cross sections finished.

Task VI. General Notes & Specifications

- Prepared list of General Notes & Specs for 95% submittal.

Task VII. Construction Cost Estimate

- No activity this period.

Task VIII. Assemble PS&E

- Assembled 95% PS&E.

Task IX. Project Management & Coordination

- Submitted 95% PS&E in June.
- Conducted progress meeting with TxDOT PM.
- Submitted invoice & progress report.

- Updated project schedule.
- Updated County on progress.
- Received comments to additional work proposal, working on revision.

Task X. Project Coordination & Administration – PB

- Attended coordination meeting with IDCUS.

Task XI. SW3P Plans – PB

- Advanced design to 95% level.

Task XII. Traffic Control Plans – PB

- Participated in 2nd T-CAT meeting
- Advanced design to 95% level.

Task XIII. Gapps Slough Bridge Class Culvert– PB

- Responded to bridge layout comments from TxDOT.
- Advanced plans to 95% level.

Task XIV. Rabbs Bayou Bridge– PB

- Responded to bridge layout comments from TxDOT.
- Advanced plans to 95% level.

Task XV. Noise Walls – PB

- Advanced plans to 95% level.

Task XVI. Safety Lighting – PB

- No activity reported this period.

Task XVII. Submittals – PB

- Prepared plans for 95% 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

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

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
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Houston, Texas, 77079
Tel: 281 589 7257
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