



Planners - Engineers - Program Managers

PO 125695  
Rec 375765  
9/24/16

APP

August 4, 2016

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

Re: Billing Period No. 15  
IDC Invoice No. 10743  
Services through July 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 July 2016 in the amount of \$9,449.56 for your consideration and further handling. Two copies of the following documents are attached:

- Invoice No. 10743
- Progress Report No. 15

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: 10743  
Invoice Date: Aug 5, 2016  
Billing Period: July 2016

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Amendment Contract Amount: \$ 2,165,059.00

**Total Contract: \$ 2,165,059.00**

Fee Earned: \$ 1,931,779.78

**Total Amount Earned: \$ 1,931,779.78**

Less Previously Invoiced: \$ 1,922,330.22

1,922,330.22

**Total Invoice Amount: \$ 9,449.56**

*OK, JSS  
09/22/16*

WA Amount Remaining: \$ 233,279.22



INVOICE No. 15  
 CRABB RIVER ROAD PS&E  
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 7/31/2016

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
<b>I. ROADWAY DESIGN</b>					
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	\$17,995.50	\$0.00
I. Driveway Table & Details	\$10,991.00	90.0%	\$9,891.90	\$9,891.90	\$0.00
J. Roadway Standards	\$8,024.00	90.0%	\$7,221.60	\$7,221.60	\$0.00
K. Roadway Summaries	\$24,467.00	75.0%	\$18,350.25	\$18,350.25	\$0.00
<b>Subtotal</b>	<b>\$364,406.00</b>	<b>89.7%</b>	<b>\$326,857.55</b>	<b>\$326,857.55</b>	<b>\$0.00</b>
<b>II. DRAINAGE DESIGN</b>					
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	\$99,390.00	90.0%	\$89,397.00	\$89,397.00	\$0.00
D. Thompson Road Drainage P&P	\$26,221.00	90.0%	\$23,598.90	\$23,598.90	\$0.00
E. Crabb River Road Drainage Calcs	\$43,790.00	90.0%	\$39,411.00	\$39,411.00	\$0.00
F. Drainage Ditch Calcs	\$6,554.00	90.0%	\$5,898.60	\$5,898.60	\$0.00
G. Rabbs Bayou Bridge Calcs	\$13,871.00	90.0%	\$12,483.90	\$12,483.90	\$0.00
H. Gapps Slough Drainage Calcs	\$13,871.00	90.0%	\$12,483.90	\$12,483.90	\$0.00
I. Lateral Sheets	\$43,380.00	90.0%	\$39,042.00	\$39,042.00	\$0.00
J. Misc Drainage Details	\$13,242.00	90.0%	\$11,917.80	\$11,917.80	\$0.00
K. Detention Pond - Rabbs Bayou	\$18,328.00	90.0%	\$16,495.20	\$16,495.20	\$0.00
L. Detention Pond #1 - Gapps Slough	\$14,850.00	90.0%	\$13,365.00	\$13,365.00	\$0.00
M. Detention Pond #2 - Gapps Slough	\$14,850.00	90.0%	\$13,365.00	\$13,365.00	\$0.00
N. Drainage Standards	\$8,676.00	90.0%	\$7,808.40	\$7,808.40	\$0.00
O. Drainage Summaries	\$14,821.00	75.0%	\$11,115.75	\$11,115.75	\$0.00
<b>Subtotal</b>	<b>\$384,007.00</b>	<b>89.4%</b>	<b>\$343,383.15</b>	<b>\$343,383.15</b>	<b>\$0.00</b>
<b>III. SIGNING &amp; PAVEMENT MARKINGS</b>					
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	75.0%	\$7,219.50	\$7,219.50	\$0.00
C. Pavement Marking Summary	9,626.00	75.0%	\$7,219.50	\$7,219.50	\$0.00
D. Standard Details & Existing Sign Inventory	9,626.00	90.0%	\$8,663.40	\$8,663.40	\$0.00
<b>Subtotal</b>	<b>77,433.00</b>	<b>86.3%</b>	<b>66,801.90</b>	<b>66,801.90</b>	<b>0.00</b>
<b>IV. TRAFFIC SIGNALIZATION</b>					
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	\$20,810.70	\$0.00
E. Signal Design - Thompsons Rd.	\$23,123.00	90.0%	\$20,810.70	\$20,810.70	\$0.00
F. Signal Design - School Entrance	\$23,123.00	90.0%	\$20,810.70	\$20,810.70	\$0.00
<b>Subtotal</b>	<b>\$95,396.00</b>	<b>90.0%</b>	<b>\$85,856.40</b>	<b>\$85,856.40</b>	<b>\$0.00</b>
<b>V. MISCELLANEOUS ROADWAY</b>					
A. Title Sheet	\$9,457.00	90.0%	\$8,511.30	\$8,511.30	\$0.00
B. Index Sheet	\$11,284.00	80.0%	\$9,027.20	\$9,027.20	\$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	90.0%	\$49,197.60	\$49,197.60	\$0.00
F. Existing Utility Layouts	\$35,371.00	90.0%	\$31,833.90	\$31,833.90	\$0.00
G. Proposed Utility Plan	\$35,371.00	90.0%	\$31,833.90	\$31,833.90	\$0.00
H. Utility Details	\$18,766.00	85.0%	\$15,951.10	\$15,951.10	\$0.00
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%	\$11,694.00	\$11,694.00	\$0.00
<b>Subtotal</b>	<b>\$258,911.00</b>	<b>89.1%</b>	<b>\$230,695.05</b>	<b>\$230,695.05</b>	<b>\$0.00</b>



INVOICE No. 15  
 CRABB RIVER ROAD PS&E  
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 7/31/2016

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
<b>VI. GENERAL NOTES &amp; SPECIFICATIONS</b>					
A. Prepare General Notes & Spec List	17,188.00	75.0%	\$12,891.00	\$12,891.00	\$0.00
B. Prepare Special Specs & Provisions	17,189.00	75.0%	\$12,891.75	\$12,891.75	\$0.00
<b>Subtotal</b>	<b>34,377.00</b>	<b>75.0%</b>	<b>25,782.75</b>	<b>25,782.75</b>	<b>0.00</b>
<b>VII. CONSTRUCTION COST ESTIMATE</b>					
A. Estimate Const Cost At 30%, 60%, 90%, 100% & Final	20,112.00	90.0%	\$18,100.80	\$18,100.80	\$0.00
<b>Subtotal</b>	<b>20,112.00</b>	<b>90.0%</b>	<b>18,100.80</b>	<b>18,100.80</b>	<b>0.00</b>
<b>VIII. ASSEMBLE PS&amp;E</b>					
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
<b>Subtotal</b>	<b>\$29,209.00</b>	<b>75.0%</b>	<b>\$21,906.00</b>	<b>\$21,906.00</b>	<b>\$0.00</b>
<b>IX. PROJECT MANAGEMENT &amp; COORDINATION</b>					
A. Coord. w/ Co., TxDOT & Subs	\$49,110.00	86.0%	\$42,234.60	\$41,252.40	\$982.20
B. Monthly Progress Reports & Invoices	\$27,770.00	86.0%	\$23,882.20	\$23,326.80	\$555.40
C. Project Admin	\$32,945.00	86.0%	\$28,332.70	\$27,673.80	\$658.90
D. Prep & Update Schedule	\$38,995.00	86.0%	\$33,535.70	\$32,755.80	\$779.90
E. Attend Progress Meetings	\$28,794.00	86.0%	\$24,762.84	\$24,186.96	\$575.88
F. Coord. with Utilities	\$28,794.00	86.0%	\$24,762.84	\$24,186.96	\$575.88
G. QA/QC plan	\$24,847.00	85.0%	\$21,119.95	\$21,119.95	\$0.00
<b>Subtotal</b>	<b>\$231,255.00</b>	<b>85.9%</b>	<b>\$198,630.83</b>	<b>\$194,502.67</b>	<b>\$4,128.16</b>
<b>Total IDC Labor</b>	<b>\$1,495,106.00</b>	<b>88.2%</b>	<b>\$1,318,014.43</b>	<b>\$1,313,886.27</b>	<b>\$4,128.16</b>
<b>Direct Costs</b>					
A. IDC Expenses	\$7,226.00	75.00%	\$5,419.50	\$5,419.50	\$0.00
<b>Total Direct Costs</b>	<b>\$7,226.00</b>	<b>75.0%</b>	<b>\$5,419.50</b>	<b>\$5,419.50</b>	<b>\$0.00</b>
<b>TOTAL IDC COSTS</b>	<b>1,502,332.00</b>	<b>88.1%</b>	<b>1,323,433.93</b>	<b>1,319,305.77</b>	<b>4,128.16</b>
<b>SUBCONSULTANTS</b>					
<b>X. PROJECT COORD &amp; ADMIN - PB</b>					
A. Coordination	\$7,600.00	95.0%	\$7,220.00	\$7,220.00	\$0.00
B. Meetings	\$5,059.00	95.0%	4,806.05	\$4,806.05	\$0.00
C. QA/QC	\$8,918.00	95.0%	\$8,472.10	\$8,472.10	\$0.00
<b>Subtotal</b>	<b>\$21,577.00</b>	<b>95.0%</b>	<b>\$20,498.15</b>	<b>\$20,498.15</b>	<b>\$0.00</b>
<b>XI. SW3P PLANS - PB</b>					
A. General Notes	\$1,026.00	95.0%	\$974.70	\$974.70	\$0.00
B. Plans	\$29,997.00	95.0%	\$28,497.15	\$28,497.15	\$0.00
<b>Subtotal</b>	<b>\$31,023.00</b>	<b>95.0%</b>	<b>\$29,471.85</b>	<b>\$29,471.85</b>	<b>\$0.00</b>
<b>XII. TRAFFIC CONTROL PLANS - PB</b>					
A. TCP Narrative & Notes	\$11,107.00	95.0%	10,551.65	\$10,551.65	\$0.00
B. Advance Warning Signs	\$4,330.00	95.0%	4,113.50	\$4,113.50	\$0.00
C. TCP Layouts	\$67,504.00	95.0%	64,128.80	\$64,128.80	\$0.00
D. TCP Details	\$8,801.00	95.0%	8,360.95	\$8,360.95	\$0.00
<b>Subtotal</b>	<b>\$91,742.00</b>	<b>95.0%</b>	<b>87,154.90</b>	<b>\$87,154.90</b>	<b>\$0.00</b>
<b>XIII. GAPPS SLOUGH BRIDGE CLASS CULVERT - PB</b>					
A. Culvert Layout	\$3,982.00	95.0%	3,782.90	\$3,782.90	\$0.00
B. Culvert Details	\$16,183.00	95.0%	15,373.85	\$15,373.85	\$0.00
<b>Subtotal</b>	<b>\$20,165.00</b>	<b>95.0%</b>	<b>19,156.75</b>	<b>\$19,156.75</b>	<b>\$0.00</b>
<b>XIV. RABBS BAYOU BRIDGE - PB</b>					
A. Bridge Layouts	\$15,758.00	95.0%	\$14,970.10	\$14,970.10	\$0.00
B. Bridge Details	\$100,413.00	95.0%	95,392.35	\$95,392.35	\$0.00
<b>Subtotal</b>	<b>\$116,171.00</b>	<b>95.0%</b>	<b>\$110,362.45</b>	<b>\$110,362.45</b>	<b>\$0.00</b>



INVOICE No. 15  
 CRABB RIVER ROAD PS&E  
 SCHEDULE OF VALUES

PS&E PHASE

SERVICES THROUGH: 7/31/2016

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
<b>XV. NOISE WALLS - PB</b>					
A. Wall Layout NB-1A	\$4,947.00	95.0%	\$4,699.65	\$4,699.65	\$0.00
B. Wall Layout NB-1B	\$6,218.00	95.0%	\$5,907.10	\$5,907.10	\$0.00
C. Wall Layout NB-2	\$6,218.00	95.0%	\$5,907.10	\$5,907.10	\$0.00
D. Wall Layout NB-3	\$6,218.00	95.0%	\$5,907.10	\$5,907.10	\$0.00
E. Summaries & Standards	\$8,918.00	95.0%	\$8,472.10	\$8,472.10	\$0.00
<b>Subtotal</b>	<b>\$32,519.00</b>	<b>95.0%</b>	<b>\$30,893.05</b>	<b>\$30,893.05</b>	<b>\$0.00</b>
<b>XVI. SAFETY LIGHTING - PB</b>					
A. Lighting Plans	\$7,212.00		\$0.00	\$0.00	\$0.00
B. Details & Summaries	\$7,935.00		\$0.00	\$0.00	\$0.00
<b>Subtotal</b>	<b>\$15,147.00</b>	<b>0.0%</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>XVII. SUBMITTALS - PB</b>					
A. Plot Drawings	\$11,706.00	95.0%	\$11,120.70	\$11,120.70	\$0.00
B. Cost Estimates	\$3,765.00	95.0%	\$3,576.75	\$3,576.75	\$0.00
<b>Subtotal</b>	<b>\$15,471.00</b>	<b>95.0%</b>	<b>\$14,697.45</b>	<b>\$14,697.45</b>	<b>\$0.00</b>
<b>Total PB Labor</b>	<b>\$343,815.00</b>	<b>90.8%</b>	<b>\$312,234.60</b>	<b>\$312,234.60</b>	<b>\$0.00</b>
A. PB Expenses	\$8,595.00	90.0%	\$7,735.50	\$7,735.50	\$0.00
<b>TOTAL PB COSTS</b>	<b>352,410.00</b>	<b>90.8%</b>	<b>319,970.10</b>	<b>319,970.10</b>	<b>0.00</b>
<b>XVIII. GEOTECHNICAL INVESTIGATIONS - HTS</b>					
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
<b>Total</b>	<b>\$60,012.00</b>	<b>68.8%</b>	<b>\$41,281.00</b>	<b>\$41,281.00</b>	<b>\$0.00</b>
<b>XIX. FIELD SURVEYING &amp; ROW MAPPING - HZI</b>					
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	100.0%	\$38,920.00	\$37,836.60	\$1,083.40
E. Deed Research & ROW Monumentation	\$64,205.00	95.0%	\$60,994.75	\$56,756.75	\$4,238.00
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
<b>Total</b>	<b>\$250,305.00</b>	<b>98.7%</b>	<b>\$247,094.75</b>	<b>\$241,773.35</b>	<b>\$5,321.40</b>
<b>TOTAL PROJECT</b>	<b>\$2,165,059.00</b>	<b>89.2%</b>	<b>\$1,931,779.78</b>	<b>\$1,922,330.22</b>	<b>\$9,449.56</b>



Planners – Engineers – Program Managers

**CRABB RIVER ROAD  
PS&E PHASE  
PROGRESS REPORT NO. 15  
July 2016**

**Activities During Current Reporting Period**

**Task I. Roadway Design**

- Started receiving comments to 95% submittal.

**Task II. Drainage Design**

- Started receiving comments to 95% submittal.

**Task III. Signing & Pavement Markings**

- Started receiving comments to 95% submittal.

**Task IV. Traffic Signals**

- Started receiving comments to 95% submittal.

**Task V. Miscellaneous Roadway**

- Started receiving comments to 95% submittal.
- Continued preparing for final utility coordination meeting.

**Task VI. General Notes & Specifications**

- Started receiving comments to 95% submittal.

**Task VII. Construction Cost Estimate**

- No activity this period.

**Task VIII. Assemble PS&E**

- No activity this period.

**Task IX. Project Management & Coordination**

- Started receiving comments in late July.
- Conducted progress meeting with TxDOT PM.
- Submitted invoice & progress report.
- Updated project schedule.
- Updated County on progress.
- Received comments to additional work proposal; preparing 2<sup>nd</sup> revision.

**Task X. Project Coordination & Administration – PB**

- No activity this period.

**Task XI. SW3P Plans – PB**

- Started receiving comments to 95% submittal.

**Task XII. Traffic Control Plans – PB**

- Starting receiving comments to 95% submittal.

**Task XIII. Gapps Slough Bridge Class Culvert– PB**

- Received bridge layout approval.

**Task XIV. Rabbs Bayou Bridge– PB**

- Received bridge layout approval.

**Task XV. Noise Walls – PB**

- No activity this period.

**Task XVI. Safety Lighting – PB**

- No activity this period.

**Task XVII. Submittals – PB**

- No activity this period.

**Task XVIII. Geotechnical Investigations – HTS**

- No activity this period.

**Task XIX. Field Surveying & ROW Mapping – HZI**

- Finished topo survey.

**Activities Anticipated Next Reporting Period**

- Receive remaining comments to 95% PS&E submittal.
- Re-submit Parcel Sketches & Metes & Bounds Description.
- Monitor status of RR exhibit review.
- Negotiate Extra Work Proposal with County.

## Peterson, Jillian

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**From:** Don Durgin <Don.Durgin@klotz.com>  
**Sent:** Wednesday, September 14, 2016 1:49 PM  
**To:** Peterson, Jillian  
**Subject:** X28 CRR Design invoice 015 - 125695  
**Attachments:** X28 CRR Invoice 015 - 125695.pdf

Jillian,

I have reviewed the attached invoice and recommend approval. This design project is 95% complete. Please process for payment.

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**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](mailto:Don.Durgin@klotz.com)  
**www:** [rpsgroup.com](http://rpsgroup.com) | [klotz.com](http://klotz.com)

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