

PO#125695 BH

REC 423807 10/16/17

INVOICE
IDCUS 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: 10944
Invoice Date: August 24, 2017
Billing Period: Through July 31, 2017

Original Contract Amount:	\$2,165,059.00	✓
Amendment No. 1:	\$ 226,025.33	✓
Amendment No. 2:	\$ 68,866.31	✓
Total Contract:	\$2,459,950.64	✓

Fee Earned: \$ 2,284,737.27

Total Amount Earned: \$ 2,284,737.27

Less Previously Invoiced: \$ 2,185,959.22

2,185,959.22

Total Invoice Amount: \$ 98,778.05 ✓

WA Amount Remaining: \$ 175,213.37

INVOICE No. 17
CRABB RIVER ROAD PS
SCHEDULE OF VALUES

PS PHASE



SERVICES THROUGH: 7/31/2017

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	95.0%	40,822.45	\$40,822.45	\$0.00
B.1. Prop Typ Section at CRR/Thompson Intersection	\$920.81	95.0%	874.77	\$874.77	\$0.00
C. Proposed Typ Sections - Side streets	\$13,324.00	95.0%	12,657.80	\$12,657.80	\$0.00
C.1 Rev Typ Sections to Incorporate RW	\$5,291.00	95.0%	5,026.45		\$5,026.45
D. Roadway P&P	\$141,167.00	95.0%	134,108.65	\$134,108.65	\$0.00
D.1. Rev P&P at CRR/Thompsons Intersection	\$2,297.63	95.0%	2,182.75	\$2,182.75	\$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	95.0%	22,660.35	\$22,660.35	\$0.00
G. Intersections Layouts & Grading	\$53,992.00	95.0%	51,292.40	\$51,292.40	\$0.00
G.1. Rev CRR/Thompsons Intersection Layout	\$920.81	95.0%	874.77	\$874.77	\$0.00
H. Misc Roadway Details	\$19,995.00	95.0%	18,995.25	\$18,995.25	\$0.00
I. Driveway Table & Details	\$10,991.00	95.0%	10,441.45	\$10,441.45	\$0.00
J. Roadway Standards	\$8,024.00	95.0%	7,622.80	\$7,622.80	\$0.00
K. Roadway Summaries	\$24,467.00	95.0%	23,243.65	\$22,020.30	\$1,223.35
Subtotal	\$373,836.25	95.3%	\$356,425.54	\$350,175.74	\$6,249.80
II. DRAINAGE DESIGN					
A. Drainage Area Watershed Map	\$7,118.00	100.0%	7,118.00	\$7,118.00	\$0.00
B. DA Layouts	\$45,105.00	95.0%	42,849.75	\$42,849.75	\$0.00
C. Drainage P&P	\$99,330.00	95.0%	94,363.50	\$94,363.50	\$0.00
C.1 Rev Drainage Design to Accommodate RW	\$2,832.57	95.0%	2,690.94		\$2,690.94
D. Thompson Road Drainage P&P	\$26,221.00	95.0%	24,909.95	\$24,909.95	\$0.00
E. Crabb River Road Drainage Calcs	\$43,790.00	95.0%	41,600.50	\$41,600.50	\$0.00
F. Drainage Ditch Calcs	\$6,554.00	95.0%	6,226.30	\$6,226.30	\$0.00
G. Rabbs Bayou Bridge Calcs	\$13,871.00	95.0%	13,177.45	\$13,177.45	\$0.00
G.1. Rabbs Bayou Scour Report	\$5,571.62	100.0%	5,571.62	\$5,571.62	\$0.00
H. Gapps Slough Drainage Calcs	\$13,871.00	95.0%	13,177.45	\$13,177.45	\$0.00
I. Lateral Sheets	\$43,380.00	95.0%	41,211.00	\$41,211.00	\$0.00
J. Misc Drainage Details	\$13,242.00	95.0%	12,579.90	\$12,579.90	\$0.00
K. Detention Pond - Rabbs Bayou	\$18,328.00	95.0%	17,411.60	\$17,411.60	\$0.00
L. Detention Pond #1 - Gapps Slough	\$14,850.00	95.0%	14,107.50	\$14,107.50	\$0.00
M. Detention Pond #2 - Gapps Slough	\$14,850.00	95.0%	14,107.50	\$14,107.50	\$0.00
M.1. Mod Det Pond #2	\$6,197.18	95.0%	5,887.32	\$5,887.32	\$0.00
M.2. Hyd Analysis of Gapps Slough Rdwy Overtopping	\$6,512.89	100.0%	6,512.89	\$6,512.89	\$0.00
N. Drainage Standards	\$8,676.00	95.0%	8,242.20	\$8,242.20	\$0.00
O. Drainage Summaries	\$14,821.00	95.0%	14,079.95	\$13,338.90	\$741.05
Subtotal	\$405,121.26	95.2%	\$385,825.32	\$382,393.33	\$3,431.99
III. SIGNING & PAVEMENT MARKINGS					
A. Sign & Pavement Marking Layouts	48,555.00	95.0%	\$46,127.25	\$46,127.25	\$0.00
A.1 Rev Pvmnt Markings to Incorporate LT Ln into Church Dvwy	1,075.74	95.0%	\$1,021.95		\$1,021.95
B. Small Sign Summary	9,626.00	95.0%	\$9,144.70	\$8,663.40	\$481.30
C. Pavement Marking Summary	9,626.00	95.0%	\$9,144.70	\$8,663.40	\$481.30
D. Standard Details & Existing Sign Inventory	9,626.00	95.0%	\$9,144.70	\$9,144.70	\$0.00
Subtotal	78,508.74	95.0%	74,583.30	72,598.75	1,984.55
IV. TRAFFIC SIGNALIZATION					
A. Signal Warrant - Tara Dr.	\$8,675.00	100.0%	\$8,675.00	\$8,675.00	\$0.00
B. Signal Warrant - Thompson Rd	\$8,676.00	100.0%	\$8,676.00	\$8,676.00	\$0.00
C. Signal Warrant - School Entrance	\$8,676.00	100.0%	\$8,676.00	\$8,676.00	\$0.00
C.1. Signal Warrant - Berdett Road	\$8,676.06	100.0%	\$8,676.06	\$8,676.06	\$0.00
C.2. Signal Warrant - 2nd School Entrance	\$8,676.06	100.0%	\$8,676.06	\$8,676.06	\$0.00
D. Signal Design - Tara Dr.	\$23,123.00	95.0%	\$21,966.85	\$21,966.85	\$0.00
E. Signal Design - Thompsons Rd.	\$23,123.00	95.0%	\$21,966.85	\$21,966.85	\$0.00
F. Signal Design - School Entrance	\$23,123.00	95.0%	\$21,966.85	\$21,966.85	\$0.00
F.1. Signal Design - Berdett Road	\$23,122.51	95.0%	\$21,966.38	\$21,966.38	\$0.00
F.2. Signal Design - 2nd School Entrance	\$23,122.51	95.0%	\$21,966.38	\$21,966.38	\$0.00
Subtotal	\$158,993.14	96.4%	\$153,212.44	\$153,212.44	\$0.00
V. MISCELLANEOUS ROADWAY					
A. Title Sheet	\$9,457.00	95.0%	8,984.15	\$8,511.30	\$472.85
B. Index Sheet	\$11,284.00	95.0%	10,719.80	\$10,155.60	\$564.20
C. Project Layout Sheet	\$41,480.00	95.0%	39,406.00	\$39,406.00	\$0.00
D. Demo Sheet	\$31,307.00	100.0%	31,307.00	\$31,307.00	\$0.00
E. Design Cross Sections	\$54,664.00	95.0%	51,930.80	\$51,930.80	\$0.00
F. Existing Utility Layouts	\$35,371.00	100.0%	35,371.00	\$35,371.00	\$0.00
G. Proposed Utility Plan	\$35,371.00	95.0%	33,602.45	\$33,602.45	\$0.00

INVOICE No. 17
CRABB RIVER ROAD PS
SCHEDULE OF VALUES

PS PHASE



SERVICES THROUGH: 7/31/2017

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
H. Utility Details	\$18,766.00	95.0%	17,827.70	\$17,827.70	\$0.00
I. Utility Summaries	\$9,517.00	95.0%	9,041.15	\$9,041.15	\$0.00
J. BNSF RR Exhibit	\$11,694.00	100.0%	11,694.00	\$11,694.00	\$0.00
J.1. Mod RR Exhibit	\$2,136.86	95.0%	2,030.02	\$1,923.17	\$106.84
K. Pond Backfill Layout/Typ Section	\$3,791.39	100.0%	3,791.39	\$3,791.39	\$0.00
Subtotal	\$264,839.25	96.6%	\$255,705.46	\$254,561.56	\$1,143.89
VI. GENERAL NOTES & SPECIFICATIONS					
A. Prepare General Notes & Spec List	17,188.00	95.0%	\$16,328.60	\$15,469.20	\$859.40
B. Prepare Special Specs & Provisions	17,189.00	95.0%	\$16,329.55	\$15,470.10	\$859.45
Subtotal	34,377.00	95.0%	32,658.15	30,939.30	1,718.85
VII. CONSTRUCTION COST ESTIMATE					
A. Estimate Const Cost At 30%, 60%, 90%, 100% & Final	20,112.00	95.0%	\$19,106.40	\$18,100.80	\$1,005.60
Subtotal	20,112.00	95.0%	19,106.40	18,100.80	1,005.60
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	95.0%	\$46,654.50	\$45,181.20	\$1,473.30
B. Monthly Progress Reports & Invoices	\$27,770.00	95.0%	\$26,381.50	\$25,548.40	\$833.10
C. Project Admin	\$32,945.00	95.0%	\$31,297.75	\$30,309.40	\$988.35
D. Prep & Update Schedule	\$38,995.00	95.0%	\$37,045.25	\$35,875.40	\$1,169.85
E. Attend Progress Meetings	\$28,794.00	95.0%	\$27,354.30	\$26,490.48	\$863.82
F. Coord. with Utilities	\$28,794.00	95.0%	\$27,354.30	\$27,354.30	\$0.00
G. QA/QC plan	\$24,847.00	100.0%	\$24,847.00	\$24,847.00	\$0.00
Subtotal	\$231,255.00	95.5%	\$220,934.60	\$215,606.18	\$5,328.42
IX.(i) CONSTRUCTION PHASE SERVICES					
A. Shop Drawing Review	\$15,000.00		\$0.00		\$0.00
B. Response to RFIs	\$13,000.00		\$0.00		\$0.00
C. Site Visits	\$12,000.00		\$0.00		\$0.00
Subtotal	\$40,000.00	0.0%	\$0.00	\$0.00	\$0.00
Total IDC Labor	\$1,636,251.64	92.9%	\$1,520,357.21	\$1,499,494.10	\$20,863.11
Direct Costs					
A. IDC Expenses	\$7,226.00	95.00%	\$6,864.70	\$6,864.70	\$0.00
Total Direct Costs	\$7,226.00	95.0%	\$6,864.70	\$6,864.70	\$0.00
TOTAL IDC COSTS	1,643,477.64	92.9%	1,527,221.91	1,506,358.80	20,863.11
SUBCONSULTANTS					
X. PROJECT COORD & ADMIN - PB					
A. Coordination	\$7,600.00	98.0%	\$7,448.00	\$7,220.00	\$228.00
B. Meetings	\$5,059.00	98.0%	4,957.82	\$4,806.05	\$151.77
C. QA/QC	\$8,918.00	98.0%	\$8,739.64	\$8,472.10	\$267.54
D. RW Design at Church Pond	\$36,249.00	65.0%	\$23,561.85		\$23,561.85
Subtotal	\$57,826.00	77.3%	\$44,707.31	\$20,498.15	\$24,209.16
XI. SW3P PLANS - PB					
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.1 Rev SW3P for RW	\$3,011.00	65.00%	1,957.15		\$1,957.15
Subtotal	\$34,034.00	92.3%	\$31,429.00	\$29,471.85	\$1,957.15
XII. TRAFFIC CONTROL PLANS - PB					
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
C.1 SWPPP - Detention ponds	\$2,600.00	90.0%	2,340.00	\$2,340.00	\$0.00
C.2. TCP- BNSF RR Exhibit	\$7,984.00	80.0%	6,387.20	\$6,387.20	\$0.00
C.3 Rev TCP for RW	\$2,280.00	65.0%	1,482.00		\$1,482.00
D. TCP Details	\$8,801.00	95.0%	8,360.9500	\$8,360.95	\$0.00
Subtotal	\$104,606.00	93.1%	97,364.10	\$95,882.10	\$1,482.00

INVOICE No. 17
CRABB RIVER ROAD PS
SCHEDULE OF VALUES

PS PHASE



SERVICES THROUGH: 7/31/2017

TASK DESCRIPTION	CONTRACT AMOUNT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
XIII. GAPPS SLOUGH BRIDGE CLASS CULVERT - PB					
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
Subtotal	\$20,165.00	95.0%	19,156.75	\$19,156.75	\$0.00
XIV. RABBS BAYOU BRIDGE - PB					
A. Bridge Layouts	\$15,758.00	95.0%	\$14,970.10	\$14,970.10	\$0.00
A.1. Condition Survey Report	\$11,502.00	100.0%	\$11,502.00	\$11,502.00	\$0.00
A.2. Widening Alternative	\$4,651.00	100.0%	\$4,651.00	\$4,651.00	\$0.00
B. Bridge Details	\$100,413.00	95.0%	\$95,392.35	\$95,392.35	\$0.00
B.1. Bridge Redesign	\$37,814.00	95.0%	\$35,923.30	\$35,923.30	\$0.00
Subtotal	\$170,138.00	95.5%	\$162,438.75	\$162,438.75	\$0.00
XV. NOISE WALLS - PB					
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
E.1 Sound Wall Revisions	\$3,541.00	95.0%	\$3,363.95	\$3,363.95	\$0.00
E.2. Noise Workshop Preparation	\$9,017.00		\$0.00		\$0.00
Subtotal	\$45,077.00	76.0%	\$34,257.00	\$34,257.00	\$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	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
Subtotal	\$15,471.00	95.0%	\$14,697.45	\$14,697.45	\$0.00
Total PB Labor	\$462,464.00	87.4%	\$404,050.36	\$376,402.05	\$27,648.31
A. PB Expenses	\$8,595.00	100.0%	\$8,595.00	\$7,993.35	\$601.65
A.1 Additional Expenses	\$800.00	32.0%	\$256.00	\$256.00	\$0.00
TOTAL PB COSTS	471,859.00	87.5%	412,901.36	384,651.40	28,249.96
XVIII. GEOTECHNICAL INVESTIGATIONS - HTS					
A. Field Work	\$22,425.00	100.0%	\$22,425.00	\$22,425.00	\$0.00
A.1 Geotech Investigations for RW	\$6,387.00	100.0%	\$6,387.00		\$6,387.00
B. Install Piezometer	\$2,416.00	100.0%	\$2,416.00	\$2,416.00	\$0.00
C. Lab Testing	\$17,501.00	100.0%	\$17,501.00	\$15,750.90	\$1,750.10
D. Prepare Report	\$17,670.00	100.0%	\$17,670.00	\$7,262.37	\$10,407.63
Total	\$66,399.00	100.0%	\$66,399.00	\$47,854.27	\$18,544.73
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
C.1. Rabb's Bayou Additional Survey	\$3,220.00	100.0%	\$3,220.00		\$3,220.00
C.2. Gapps Slough Additional Survey	\$3,220.00	100.0%	\$3,220.00		\$3,220.00
D. Prepare ROW Maps & Documents	\$38,920.00	100.0%	\$38,920.00	\$38,920.00	\$0.00
D.1. TCE Pond Backfill	\$2,440.00	100.0%	\$2,440.00		\$2,440.00
D.2. Divide Parcels # 11 & 3	\$11,740.00	100.0%	\$11,740.00		\$11,740.00
E. Deed Research & ROW Monumentation	\$64,205.00	100.0%	\$64,205.00	\$60,994.75	\$3,210.25
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
H.1 Det Pond #2 Additional Survey	\$7,290.00	100.0%	\$7,290.00		\$7,290.00
Total	\$278,215.00	100.0%	\$278,215.00	\$247,094.75	\$31,120.25
TOTAL PROJECT	\$2,459,950.64	92.9%	\$2,284,737.27	\$2,185,959.22	\$98,778.05

**CRABB RIVER ROAD
PS&E PHASE
PROGRESS REPORT NO. 17
April 8, 2017 through July 31, 2017**

Activities During Current Reporting Period

Task I. Roadway Design

- Incorporated Left Turn for church into updated 100% plans.
- Incorporated Retaining Wall into updated 100% plans.
- Finished updates to 100% submittal.

Task II. Drainage Design

- Finished updates to 100% submittal.

Task III. Signing & Pavement Markings

- Finished updates to 100% submittal.

Task IV. Traffic Signals

- Finished updates to 100% submittal.

Task V. Miscellaneous Roadway

- Finished updates to 100% submittal.

Task VI. General Notes & Specifications

- Finished updates to 100% submittal.

Task VII. Construction Cost Estimate

- Updated construction cost estimate to 100% submittal.

Task VIII. Assemble PS&E

- Submitted updated 100% PS&E.

Task IX. Project Management & Coordination

- Attended bi-weekly County coordination meetings.
- Submitted updated 100% PS&E on 7-28-17
- Submitted invoice & progress report.
- Updated project schedule.
- Updated County on progress.
- Received Contract Modification No. 2.

Task X. Project Coordination & Administration – PB

- Participated in TxDOT Coordination meetings.
- Designed Retaining Wall for church pond adjacent to & within proposed ROW

Task XI. SW3P Plans – PB

- Finished updates to 100% submittal.

Task XII. Traffic Control Plans – PB

- Finished updates to 100% submittal.

Task XIII. Gapps Slough Bridge Class Culvert– PB

- Finished updates to 100% submittal.

Task XIV. Rabbs Bayou Bridge– PB

- Finished updated to 100% submittal.

Task XV. Noise Walls – PB

- Finished updates to 100% submittal.

Task XVI. Safety Lighting – PB

- Finished updated to 100% submittal.

Task XVII. Submittals – PB

- Prepared plans for updated 100% submittal.

Task XVIII. Geotechnical Investigations – HTS

- Prepared geotech investigation report for new retaining wall.
- Submitted final Geotech report to TxDOT.

Task XIX. Field Surveying & ROW Mapping – HZI

- Split parcels 3 & 11 into 2 parcels each.

Activities Anticipated Next Reporting Period

- Submit Management Plan to TxDOT.
- Monitor status of TxDOT review.
- Attend bi-weekly coordination meetings with County.

Harris, Britten

From: Don Durgin <Don.Durgin@rpsgroup.com>
Sent: Friday, October 13, 2017 10:16 AM
To: Harris, Britten
Subject: X28 CRR Invoice 017 - 10944
Attachments: X28 CRR Invoice 017 - 10944.pdf

Britten,

I have reviewed the attached invoice and recommend approval. Please process for payment.

I sent a previous email with an error in it. This email is a replacement, please disregard the previous. Thanks.

Don Durgin
Department Manager
RPS | Infrastructure
1160 N Dairy Ashford, Suite 500,
Houston, Texas 77079
USA
T +1 281 589 7257
F +1 281 589 7309
M +1 713 269 3913
E Don.Durgin@rpsgroup.com
W www.rpsgroup.com/usa

Formerly Klotz Associates

This e-mail message and any attached file is the property of the sender and is sent in confidence to the addressee only.

Internet communications are not secure and RPS is not responsible for their abuse by third parties, any alteration or corruption in transmission or for any loss or damage caused by a virus or by any other means.

RPS Group Plc web link: <http://www.rpsgroup.com>



August 24, 2017

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

Re: Billing Period No. 17
IDC Invoice No. 10944
Services through July 31, 2017
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 31, 2017 in the amount of \$98,778.05 for your consideration and further handling. Two copies of the following documents are attached:

- Invoice No. 10944
- Progress Report No. 17

Sincerely,
IDCUS Inc.

A handwritten signature in blue ink, appearing to read "Larry F. Janak", is written over the printed name.

Larry F. Janak, P.E.
Principal