



CONTRACT AMENDMENT NO. 3
TO
WILLIAMSON COUNTY CONTRACT FOR
ENGINEERING SERVICES

**WILLIAMSON COUNTY ROAD BOND PROJECT:
SEWARD JUNCTION SOUTHEAST ("Project")**

THIS CONTRACT AMENDMENT NO. 3 to Williamson County Contract for Engineering Services is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Aguirre-Fields, LP (the "Engineer") and becomes effective as of the date of the last party's execution below.

WHEREAS, the County and the Engineer executed the Williamson County Contract for Engineering Services dated effective September 25, 2014 (the "Contract");

WHEREAS, pursuant to Article 14 of the Contract, the terms of the Contract may be modified by a written fully executed Contract Amendment;

WHEREAS, the "Compensation Cap" under Article 5 of the Contract limits the maximum amount payable under the Contract to \$900,000.00; and,

WHEREAS, the Rate Schedule in Exhibit D of the Contract are limited to the rates noted in said Exhibit D; and,

WHEREAS, it has become necessary to amend the Contract.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Contract is amended as follows:

- I. ~~The Compensation Cap under Article 5 of the Contract is hereby increased from \$715,000.00 to \$900,000.00.~~
- II. Add Exhibit D (Rate Sheet) for Steger Bizzell

All other terms of the Contract are unchanged and will remain in full force and effect.

IN WITNESS WHEREOF, the County and the Engineer have executed this Contract Amendment, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER: Aguirre & Fields, LP
Aguirre, LLC - General Partner

By: [Signature]
Signature

Oscar R. Aguirre
Printed Name

President
Title

10/02/2017
Date

COUNTY:

By: [Signature]
Signature

DAVID GATTI
Printed Name

County Judge
Title

10-27-2017
Date

OK
m 10/11/17



EXHIBIT D

Rate Schedule

Effective June 26, 2014

(All Rates Per Hour)

Engineer (Principal)	\$233.00
Senior Engineer	\$216.00
Engineer (P.E.)	\$161.00
Project Manager	\$216.00
Engineer in Training (EIT)	\$133.00
Graduate Engineer	\$128.00
Senior Technician	\$128.00
GIS Technician	\$105.00
Design Technician	\$105.00
CADD Technician/ Draftsman	\$100.00
Survey Technician/ Draftsman	\$100.00
Registered Surveyor	\$134.00
Surveyor in Training (SIT)	\$105.00
1 Man Survey	\$145.00
2 Man Survey Party	\$160.00
3 Man Survey Party	\$175.00
Field Inspector	\$ 90.00
Clerical	\$ 72.00
Student Technician	\$ 33.00

Mileage

Current IRS Rate

Note: Expert Witness Fees are billed at 1.5 times the hourly rate.

ADDRESS

1978 S. AUSTIN AVENUE | GEORGETOWN, TX 78626

PHONE

512.930.9412

FAX

512.930.9416

WEB

STGERBIZZELL.COM

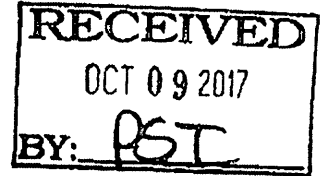
TEXAS REGISTERED ENGINEERING FIRM F-181

SERVICES

>> ENGINEERS

>> PLANNERS

>> SURVEYORS



WORK AUTHORIZATION NO. 2

**WILLIAMSON COUNTY ROAD BOND PROJECT:
SEWARD JUNCTION SOUTHEAST**

This Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated September 25, 2014 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Aguirre-Fields, LP (the "Engineer").

Part 1. The County will provide the following Services set forth in Attachment "A" of this Work Authorization.

Part 2. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 3. The maximum amount payable for services under this Work Authorization without modification is \$51,599.00.

Part 4. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 5. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on March 31, 2019. The Engineering Services set forth in Attachment "C" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 6. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

IN WITNESS WHERE OF, the County and the Engineer have executed this Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER: Aguirre, LLC – General Partner

By: 
Signature

Oscar R. Aguirre, P.E.
Printed Name

President
Title

10/02/2017
Date

COUNTY:

By: 
Signature

DAN A GATTIS
Printed Name

County Judge
Title

10-23-2017
Date

OK
10/11/17

LIST OF ATTACHMENTS

Attachment A, Services to be provided by the County

Attachment B, Services to be provided by Engineer

Attachment C, Work Schedule

Attachment D, Fee Schedule

**ATTACHMENT A to WA#2
SERVICES TO BE PROVIDED BY THE COUNTY**

I. GENERAL REQUIREMENTS

The County will prepare or provide:

- A. Name, address and phone number of the County's project manager.
- B. Review of recommendations offered by the Engineer and approve or reject any or all work performed under this contract.
- C. Review of progress of work and final acceptance of all documents.
- D. Processing of all periodic payment requests submitted by the Engineer.
- E. Submit of documentation to regulatory agencies for review and comment when specified.
- F. Assistance in the coordination and scheduling of site visits.

II. SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES, AND PUBLIC INVOLVEMENT

The County will:

- A. Any Environmental Assessment, documentation or previously completed documentation.
- B. Lead and assist the Engineer with Right of entry from public or private land owners to allow surveying, environmental, engineering, or geotechnical services to be performed. Right of entry permission shall be written and signed by the land owner. Letters or other materials seeking right of entry shall contain explicit reference to the kinds of activities for which right of entry is requested and an indication of the impacts (if any) that will result from performance of environmental services.
- C. Lead all coordination and public information associated with the public or private land owners/developers.

III. UTILITY ENGINEERING INVESTIGATION (CURRENTLY SUBSURFACE UTILITY ENGINEERING)

The County will prepare or provide:

- A. Available existing right of way plans for the proposed project location.
- B. All ROW appraisals and acquisitions, if applicable.
- C. All coordination and meetings with utility companies for any necessary relocation.
- D. All plans for future developments and/or associated easements in the project area.

IV. DESIGN SURVEYS AND CONSTRUCTION SURVEYS

The County will prepare or provide:

- A. Any construction surveys required.

V. SIGNING, PAVEMENT MARKINGS AND SIGNALIZATION (PERMANENT)

The County will prepare or provide:

- A. Available traffic counts, traffic projections and accident data, if applicable.

VI. PROJECT MANAGEMENT AND ADMINISTRATION

The County will:

- A. Review, approve and update Project Design Criteria.
- B. Review deliverables and provide consolidated review comments to be addressed by the Engineer.

VII. ADDITIONAL RESPONSIBILITIES

The County will prepare or provide:

- A. Interface with local, regional, State and Federal agencies or other entities on behalf of Engineer.
- B. Timely reviews and decisions to enable the Engineer to maintain the project schedule as approved by the County.

**ATTACHMENT B to WA#2
SERVICES TO BE PROVIDED BY THE ENGINEER
CONSTRUCTION PHASE SERVICES FOR
SEWARD JUNCTION SOUTHEAST**

PROJECT DESCRIPTION

Existing Facility

The 1.057 mile project limits are from US 183 east along CR 259 and from south of the CR 259 and CR 266 intersection north to SH 29. The existing county roads consist of 2-11 foot lanes without shoulders.

Proposed Facility

The proposed design is to construct 2 lanes of a future six lane divided minor arterial roadway. The construction activities consist of; HMAC pavement, concrete curb and gutter, drainage structures, water quality BMPs, bridges, signing and pavement markings. Additionally proposed ROW and drainage easements will be acquired.

1. CONSTRUCTION PHASE SERVICES (FC 309)

a. REQUESTS FOR INFORMATION - RFIs (20 RFIs maximum):

- Attend up to 4 site visits and/or meetings to gather data and information for RFI responses (6 hours each). Documentation of the meetings will be included as time towards RFIs.
- Respond to Contractor RFIs and provide design clarifications, additional information, and additional data to the GEC as required (1 hours each).

b. REVIEW CONTRACTOR SUBMITTALS & SHOP DRAWINGS (20 sheets maximum):

- Review Contractor submittals and shop drawings received from the GEC. Shop drawings will be reviewed for general conformance with the plans and specifications and will include providing stamped concurrence, exceptions or resubmittal notations to the Contractor. Since the structures on this job are cast in place, the assumption is made that there will be no more than 10 sheets per bridge associated with forms or erection shoring for review (46 hours maximum).

c. PLAN REVISIONS (20 sheets maximum):

- Engineer will provide minor revisions to plans in order to address differing site conditions, third party accommodation, or other owner directed changes. Revisions to plans will include revision clouds around any changes, will include descriptions and quantities of changes, CAD files, and will be sealed by a

professional engineer. Minor plans revisions will not exceed the number of sheets (20) or the associated time (80 hours) whichever is consumed first.

d. ATTEND MEETINGS (4 meetings):

- Engineer will attend up to 4 meetings at the project site or Williamson County representative office, as requested (6 hours each).

e. WATER QUALITY BMP CERTIFICATION: (16 hours for 2 trips)

- Engineer will visit the project site and review the construction work related to adherence to the permanent water quality design plans. Provide a list of issues to be corrected to the GEC, if necessary.
- Visual inspection will includes spot checking the following items: filter strip slopes (ditch front slopes), filter strip length (flowline offsets roughly speaking), grading, and establishment of vegetation. The Engineer will develop a punch list of items that appeared in need of attention, then return to finalize with the contractor after completion.
- Once above is verified as correct, the Engineer will prepare and submit to TCEQ a letter certifying that the permanent BMPs were constructed as designed.

f. PEC Pond Construction Phase Services – FC 309: This phase of the project will commence after approval of final plans for construction. The basic services for this phase include:

- Attend Pre-Construction Conference
- Review submittals, prepare change orders, and prepare RFI's as necessary
- Site visits as requested (4 max)

2. DELIVERABLES

- a. All contract documents, including hard copies and electronic files, shall be turned over to the County at each milestone and at the completion of the project. Documents shall be posted to the County's project management database as requested.**

3. PROJECT MANAGEMENT:

- a. The Engineer will provide for project documentation, progress reports, invoices and coordination with the GEC.**
- b. The Engineer will provide for project documentation, progress reports, invoices and coordination with sub consultants.**

ATTACHMENT C WORK SCHEDULE										SEWARD JUNCTION SOUTHEAST VA02									
Act ID	Description	Reqs	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est
AA1010	BD PHASE SERVICES EXTENSION [VA01]	256	10FEB17	26MAR18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AA1020	CONSTRUCTION PHASE SERVICES [VA02]	256	27MAR18	26MAR19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										CONSTRUCTION PHASE SERVICES [VA02]									
										BD PHASE SERVICES EXTENSION [VA01]									
										SUGGESTED COST									
										0.00									
										0.00									

Start date	10FEB17	Early bar
Finish date	26MAR19	Progress bar
Run date	10FEB17	Critical bar
Run date	02OCT17	Summary bar
Page number	1A	Start milestone point
		Finish milestone point
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AGUIRRE & FIELDS, LP

WILLIAMSON COUNTY, TEXAS
PRECINCT 2
SEWARD JUNCTION SOUTHEAST
WORK AUTHORIZATION NO. 2
I: 20001-1 > CONTRACT > SCHEDULE > ATTACHMENT C VA2

ATTACHMENT D CONSTRUCTION PHASE SERVICES FEE SCHEDULE
METHOD OF PAYMENT: TIME AND MATERIALS

AGUIRRE AND FIELDS, LP
WA#2

WILLIAMSON COUNTY
SEWARD JUNCTION SOUTHEAST

FEE SCHEDULE SUMMARY

Project	AFLP	CP&Y	STEGER BIZZELI	Total
WA 1	\$37,348.00	\$8,371.00	\$5,880.00	\$51,599.00

FC	TASK NAME	AFLP	CP&Y	S&B	TOTAL
FC 110	ROUTE AND DESIGN STUDIES (FC110)				\$0.00
FC 120	ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT (FC 120)				\$0.00
FC 130	RIGHT OF WAY DATA & UTILITIES (FC 130)				\$0.00
FC 150	FIELD SURVEYING (FC 150)				\$0.00
FC 160	ROADWAY DESIGN CONTROLS (FC 160)				\$0.00
FC 161	DRAINAGE (FC 161)		\$8,371.00		\$8,371.00
FC 162	SIGNING, PVMT. MARK. & SIGNALS (FC162)				\$0.00
FC 163	MISCELLANEOUS (ROADWAY) (FC 163)				\$0.00
FC 164	MANAGING CONTRACTED PER SERVICES & SURVEY CONTRACTS (FC 164)	\$11,040.00			\$11,040.00
FC 170	BRIDGE DESIGN (FC 170)				\$0.00
FC 309	CONSTRUCTION PHASE SERVICES (FC 309)	\$25,902.00		\$5,880.00	\$25,902.00
DIRECT	DIRECT EXPENSES	\$406.00			\$406.00
	TOTALS	\$37,348.00	\$8,371.00	\$5,880.00	\$51,599.00

ATTACHMENT D CONSTRUCTION PHASE SERVICES FEE SCHEDULE
METHOD OF PAYMENT TIME AND MATERIALS

AGUIRRE AND FIELDS, LP
WMAZ

WILLIAMSON COUNTY
SEWARD JUNCTION SOUTHEAST

TASK DESCRIPTION	SENIOR PROJECT MANAGER	PROJECT MANAGER	QUALITY MANAGER	SENIOR ENGINEER	STRUCT ENGINEER	PROJECT ENGINEER	ENGINEER IN TRAINING	SENIOR ENGINEER TECHNICIAN	SENIOR CAD OPERATOR	CAD OPERATOR	ADMIN / CLERICAL	TOTAL LABOR HOURS & COSTS	NO OF DIVERS	LABOR HRS PER BUCKET
DESIGN PHASE SERVICES (PC 300)														
A. RTI RESEARCH AND SITE VISITS - 4 EA														
B. REQUEST FOR INFORMATION (RFI) - 2 EA														
C. REVIEW CONTRACTOR SUBMITTALS & SHOP DRAWINGS - 20 SHEETS														
D. PLAN REVISIONS FOR FIELD CHANGES - 20 SHEETS														
E. ATTEND MEETINGS - 4 EA														
F. CONSTRUCTION FOR WATER QUALITY IMP. & VEGETATION														
CONTRACT SUB-TOTALS	0	35	8	1	31	42	40	10	12	18	0	202		
CONTRACT RATE PER HOUR	120.00	112.00	112.00	112.00	112.00	112.00	112.00	112.00	112.00	112.00	112.00	112.00		
TOTAL LABOR COSTS	0.00	3,920.00	896.00	1,120.00	3,472.00	4,704.00	4,480.00	1,120.00	1,344.00	2,016.00	0.00	625,002.00		
% DISTRIBUTION OF STAFFING	0.0%	13.5%	4.0%	0.3%	15.3%	20.8%	23.8%	5.0%	5.9%	8.0%	0.0%			
SUBTOTAL (PC 300)												\$29,822.00		
SUMMARY														
% UTILIZATION	0.0%	27.5%	2.0%	0.2%	7.7%	29.6%	11.8%	2.8%	3.7%	4.3%	11.8%			
MANUALLY CONTRACTED PER SERVICES & SURVEY CONTRACTS (PC 161)														
CONSTRUCTION PHASE SERVICES (PC 300)														
SUBTOTAL LABOR EXPENSES														
OTHER DIRECT EXPENSES	# OF UNITS	CONTRACT												
Materials (6 of other) (Amount each one)	100	0.50	MILE									100.00		
Per diem	4	50	DAY									1170.00		
Overnight Meal (per day) (each)	2	15	EACH									30.00		
Overnight Meal (per night) (each)	2	25	EACH									50.00		
PHOTOCOPIES (11X17)	NO	0.15	EACH									105.00		
SUBTOTAL DIRECT EXPENSES														
TOTALS														
TOTAL COSTS FOR PRIME ONLY														
NON-SALARY OTHER DIRECT EXPENSES (FOR PRIME ONLY)														
ATFP TOTAL														

Exhibit D

Seward Junction Southeast
US 183 / CR 259 to SH 29 / CR 266
Williamson County

Fee Schedule/Budget for CP&Y, Inc.

Task Description	No. of Sheets	Project Manager	Senior Engineer	Project Engineer	Design Engineer	E.I.T.	Senior CADD Operator	Chief Hydrologist	Environ Manager	Senior Environ Specialist	Environ Specialist	OIS Specialist	Admin / Clerical	Total Labor Hours	Total Direct Labor Costs
		\$214.00	\$177.00	\$149.00	\$119.00	\$82.00	\$108.00	\$184.00	\$162.00	\$116.00	\$92.00	\$64.00	\$70.00		
FC 09 - CONSTRUCTION PHASE SERVICES FOR F011 DRAINAGE															
FC 11 - PROJECT MANAGEMENT (12 MONTHS)															
1A Request for Information 5 RFI's at 2 hrs each	N/A			2	10									12	\$ 1,480.00
1B Review Contractor Submittals & Shop drawings	N/A	1	1	2	10									14	\$ 1,871.00
1C Plan Revisions and Field Changes	N/A			4	8									12	\$ 1,532.00
1D Attend Meetings	N/A			6	6									12	\$ 1,584.00
1E BMP Inspection (1 visit to verify construction BMPs, incl. documentation & coordination)	N/A				18									18	\$ 1,904.00
FC 11A - SUBTOTALS				16	50									66	
HOURS SUBTOTALS		1	1	16	50									66	
LABOR COST SUBTOTALS		\$ 214.00	\$ 177.00	\$ 2,030.00	\$ 5,950.00	\$	\$	\$	\$	\$	\$	\$	\$		\$ 8,371.00
SUBTOTAL LABOR COSTS															\$ 8,371.00

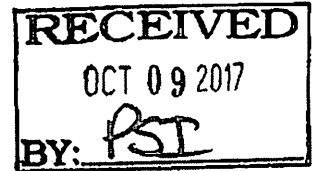
ATTACHMENT D CONSTRUCTION PHASE SERVICES FEE SCHEDULE
METHOD OF PAYMENT: TIME AND MATERIALS

STEEGER BIZZELL
WA#2

WILLIAMSON COUNTY
SEWARD JUNCTION SOUTH-EAST

PEC Pond - Estimated Fee Schedule

Task and Description	Hourly Rate:	233	216	161	134	133	128	72	160	
		Engineer (Principal)	Senior Engineer	Engineer (PE)	Registered Surveyor	Engineer in Training	Senior Technician	Clerical	2-Man Survey	Total
Construction Phase Services (FC 309)										
a. Attend Pre-Construction Conference				4		4				1,176
b. Prepare change orders and RFI's as necessary				8		8				2,352
c. Site Visits (4 max)				8		8				2,352
Subtotal Hours:		0	0	20	0	20	0	0	0	40
Subtotal Fees:		\$0	\$0	\$3,220	\$0	\$2,660	\$0	\$0	\$0	\$5,880
TOTAL FEES:		\$0	\$0	\$3,220	\$0	\$2,660	\$0	\$0	\$0	\$5,880



**SUPPLEMENTAL WORK AUTHORIZATION NO. 4
TO
WORK AUTHORIZATION NO. 1**

**WILLIAMSON COUNTY ROAD BOND PROJECT: ✓
SEWARD JUNCTION SOUTHEAST**

This Supplemental Work Authorization No. 4 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated September 25, 2014 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Aguirre-Fields, LP (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective September 26, 2014 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:


- I. The Services to be provided by the County that were set out in the original Attachment "A" of the Work Authorization.
- II. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B-4"
- III. The Work Authorization shall become effective August 05, 2017 and shall terminate on March 31, 2018. The Services to be provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C-4"
- IV. The maximum amount payable for services under the Work Authorization is hereby increased from \$714,999.00 to \$842,885.00. The revised Fee Schedule is attached hereto as Attachment "D-4".

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER: Aguirre, LLC - General Partner

By: 
Signature

Oscar R. Aguirre, P.E.
Printed Name

President
Title

10/02/2017
Date

COUNTY:

By: 
Signature

Dar A GATT
Printed Name

County Judge
Title

10-23-2-17
Date

LIST OF ATTACHMENTS

Attachment B-4, Services to be Provided by Engineer

Attachment C-4, Work Schedule

Attachment D-4, Fee Schedule

OK
11/11/17

ATTACHMENT B-4
SERVICES TO BE PROVIDED BY THE ENGINEER
DESIGN SERVICES FOR
SEWARD JUNCTION SOUTHEAST

PROJECT DESCRIPTION

Existing Facility

The 1.057 mile project limits are from US 183 east along CR 259 and from south of the CR 259 and CR 266 intersection north to SH 29. The existing county roads consist of 2-11 foot lanes without shoulders.

Proposed Facility

The proposed design is to construct 2 lanes of a future six lane divided minor arterial roadway. The construction activities consist of; HMAC pavement, concrete curb and gutter, drainage structures, water quality BMPs, bridges, signing and pavement markings. Additionally proposed ROW and drainage easements will be acquired. Work excludes any geotechnical updates, archeological revisions, channel alignment and easement revisions, and roadway realignment. PEC pond plans will be prepared a separate PS&E package to the Seward Junction Southeast Plans.

1. DESIGN PHASE SERVICES

a. PLAN REVISIONS FOR FIELD CHANGES – Aguirre-Fields FC 160.5 (54 sheets) and CP&Y FC 161 (15 sheets):

- Engineer will provide minor revisions to plans in order to address changes requested by landowners' during ROW acquisition process since final plans were submitted. Design Services for plan revisions will include:
 1. Revise plans to add 4 new driveways along the north side of proposed CR 259 between STA 181+00 and STA 191+00.
 2. Revise plans to leave a segment of the existing CR 259 in place and add a driveway for property access along the north side of CR 250 in the vicinity of STA 210+00.
 3. Plan revisions for items 1 & 2 will include updates to index (1), project layouts (1), survey data sheets (3), roadway quantity sheets (2), driveway summary sheet (1), removal summary (1), drainage summary (1), pavement marking summary (1), erosion control summary (1), earthwork summary (1), traffic control plan phase sheets (10), plan and profile sheets (4), intersection layout (1), new driveway plan

and profile sheet (3), drainage area map (1), internal drainage area maps (4), drainage plan and profiles (4), ditch tables (1), hydraulic data sheet (1), signing and pavement marking plan (4), erosion control layouts (4), design cross sections (4), and drainage report revisions.

4. Revise current estimate pricing to reflect market changes since last final plans submittal.
5. Revisions for items 2, 3, & 4 exclude changes to proposed or existing ROW and easements, bridge structures, driveway details, typical sections, channel alignments, proposed alignment, proposed profile, general notes, bid items/descriptive codes, specifications, and cross slopes.

b. PEC POND DESIGN FOR CR 259 – Steger Bizzell FC 161, FC 150, & FC 309 (separate Package):

- Steger Bizzell (“Engineer” or “Surveyor”) shall provide surveying, design, construction plan preparation, and permitting services for the reconfiguration of an existing water quality and detention pond located in eastern Liberty Hill, Texas.

1. The pond is located on a tract of land that is owned by Pedernales Electric Cooperative, Inc. (“PEC”) as evidenced by Document # 2003039417 of the Official Records of Williamson County, and is also referred to as Lot 3 of Seward Junction Commercial Park Subdivision of the Plat Records of Williamson County. The tract is entirely within the city limits of Liberty Hill and entirely within the Edwards Aquifer Contributing Zone. The existing Contributing Zone Plan is Permit # 11-08030503, filed on or about March 2008.
2. Surveying Services – FC 150: This phase of the project will commence after the Client has signed and executed this contract. The basic services for this phase include:
 - a. Obtain right-of-entry authorization from PEC
 - b. Conduct pre-field operations (Texas811, OneCall)
 - c. Perform topographic field surveying
 - d. Office-process, draft, DTM

- e. Perform internal QA/QC
- 3. Design Phase Services – FC 161: One draft and one final plan submittal is included in this scope of work. The basic services for this phase include:
 - a. Obtain and review related project data, reports and studies such as the original Contributing Zone Plan and latest revision of the CR 259 roadway improvements PS&E.
 - b. Prepare construction drawings and specifications for the reconfiguration of the pond in accordance with the latest Texas Commission on Environmental Quality (“TECQ”) technical guidance manual and generally accepted engineering practices.
 - c. Analyze roadway improvement plans and coordinate minor adjustments to the pond and/or roadway design.
 - d. Prepare project quantities and a probable cost of construction for the pond reconfiguration.
 - e. Submit plans for review. Modify plans based on comments received.
 - f. Submit plans and Stormwater Permit to City of Liberty Hill staff for review. The submittal fee shall be paid directly by Client. Modify plans based on comments received.
 - g. Prepare and submit a Contributing Zone Plan Modification to TCEQ. The TCEQ submittal fee is estimated at \$5000.00. This scope of work assumes that a new Geologic Assessment will not be required by TCEQ.
- 4. Bid Phase Services – FC 309: This phase of the project will commence after approval of final plans for construction. The basic services for this phase include:
 - a. Respond to Bidder questions as necessary

5. Exclusions: The following services are specifically excluded from this scope of work:

- a. Utility relocation design
- b. Surveying of subsurface utilities, except where uncovered by others
- c. Parking lot design
- d. Geotechnical investigation
- e. Geologic Assessment
- f. Contract Document / Project Manual preparation
- g. Construction Inspection
- h. Boundary survey or property owner determination
- i. Right-of-way or easement acquisition, including preparation of field notes and legal descriptions
- j. Work in any area outside of the Project Limits
- k. Construction Phase services

c. **POND EASEMENT FIELD NOTES – BOWMAN FC 150:**

- Bowman will revise existing field notes or prepare new field notes to provide legal descriptions for the vacation of the old pond and storm sewer easements and dedication of a new pond and storm sewer easement on the BLW tract. This task is limited to four (4) total sets of field notes.

d. **ENVIRONMENTAL SERVICES – CP&Y FC 120:**

- The Engineer shall perform environmental services required to obtain environmental clearance for the proposed Channel E and F associated with the Seward Junction Southeast Project. This scope of work is a supplement to work previously performed for Williamson County's (County) proposed improvements to Seward Junction between US Highway (US) 183 and State Highway (SH) 29 east of Liberty Hill, Williamson County, Texas.

1. **FC 120.1. WATERS OF THE U.S.**

Task 1 – TxRAM Functional Assessment

- a. Conduct a baseline aquatic resource analysis documenting existing conditions with the Texas Rapid Assessment Method (TxRAM), which is a wetland and stream conditional assessment model.

This shall include preparation of TxRAM Stream Data Sheets, Scoring Sheets, associated exhibits, and the Aquatic Resource Compensation Calculator. Should wetland areas be encountered, TxRAM Wetland Data Sheets, Wetland Scoring Sheets, associated exhibits, and Wetland Final Scoring Sheet for Evaluating Proposed Mitigation/Impact Activities Sheet would be completed. The output from TxRAM will be used to calculate adverse impacts and compensatory mitigation required by USACE.

Task 2 - USACE Pre-Construction Notification

- b. Pre-Application Meeting – the Engineer shall attend one (1) pre-application meeting with the USACE to discuss the project impacts, avoidance/minimization measures, permitting requirements, and potential mitigation options, if required.
- c. PCN Preparation - the Engineer shall prepare and submit a PCN to the USACE in accordance with NWP General Condition 32. The USACE Fort Worth District application submittal form for NWP #14 will be utilized for this task. The submittal will include the results of the threatened/endangered species assessment, cultural resource assessment, waters of the U.S. assessment, plan and section view drawings and TCEQ Section 401 Water Quality Certification. This task also includes responding to USACE comments and requests for additional information.
- d. Note: If it is determined that a Section 404 Individual Permit or detailed permittee-responsible mitigation planning is required, those services would be conducted under a supplemental agreement.

e. DELIVERABLES

- All contract documents, including hard copies and electronic files, shall be turned over to the County. Documents shall be posted to the County's project management database as requested.
- PS&E Package updates as outline in Section a. above
- Topographic Field Exhibit for PEC Pond
- PS&E Package for PEC Pond
- Contributing Zone Plan Modification Application for PEC Pond
- BLW Tract Pond and Strom Sewer Easement Notes
- PCN for Channels E&F as outlined above

f. PROJECT MANAGEMENT – FC 164

- The Engineer will attend up to 2 review and/or coordination meetings with the GEC. (Aguirre-Fields), (CP&Y FC 166 – includes attending 1 meeting)
- Engineer will attend up to 2 meetings at the project site or Williamson County representative office, as requested.
- The Engineer will provide for project documentation, progress reports, invoices and GEC / County / Sub-consultant coordination. (Aguirre-Fields assume 5 hours per month for 7 months)
- The Engineer will provide for sub-consultant coordination management and review coordination with GEC. (Aguirre-Fields assume 32 hours for review coordination)

ATTACHMENT D-4 SUPPLEMENTAL FEE SCHEDULE
METHOD OF PAYMENT: TIME AND MATERIALS

AGUIRRE & FIELDS, LP
WMA#1 SWA#4

WILLIAMSON COUNTY
SEWARD JUNCTION SOUTHEAST

FEE SCHEDULE SUMMARY

Project	AFLP	CP&Y	S&B	BOWMAN	Total
WA 1	\$36,243.00	\$26,493.00	\$57,470.00	\$7,680.00	\$127,886.00

FC	TASK NAME	AFLP	CP&Y	S&B	BCE	TOTAL
FC 110	ROUTE AND DESIGN STUDIES (FC110)					\$0.00
FC 120	ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT (FC 120)		\$13,892.00			\$13,892.00
FC 130	RIGHT OF WAY DATA & UTILITIES (FC 130)					\$0.00
FC 150	FIELD SURVEYING (FC 150)			\$3,096.00	\$7,680.00	\$10,776.00
FC 160	ROADWAY DESIGN CONTROLS (FC 160)	\$16,959.00				\$16,959.00
FC 161	DRAINAGE (FC 161)		\$11,325.00	\$52,022.00		\$63,347.00
FC 162	SIGNING, PVMY. MARK., & SIGNALS (FC162)					\$0.00
FC 163	MISCELLANEOUS (ROADWAY) (FC 163)					\$0.00
FC 184	MANAGING CONTRACTED PER SERVICES & SURVEY CONTRACTS (FC 184)	\$18,624.00	\$368.00			\$18,992.00
FC 170	BRIDGE DESIGN (FC 170)					\$0.00
FC 309	CONSTRUCTION PHASE SERVICES (FC 309)			\$2,352.00		\$2,352.00
DIRECT	DIRECT EXPENSES	\$660.00	\$908.00			\$1,568.00
	TOTAL	\$36,243.00	\$26,493.00	\$57,470.00	\$7,680.00	\$127,886.00

Seward Junction Southeast
US 183 / CR 259 to SH 29 / CR 266
Williamson County

Fee Schedule/Budget for CP&Y, Inc.

Task Description	No. of Sheets	Project Manager	Senior Engineer	Project Engineer	Design Engineer	E.I.T.	Senior CADD Operator	Chief Hydrologist	Environ Manager	Senior Environ Specialist	Environ Specialist	GIS Specialist	Admin / Clerical	Total Labor Hours	Total Direct Labor Costs
		\$214.00	\$177.00	\$145.00	\$119.00	\$82.00	\$128.00	\$184.00	\$168.00	\$119.00	\$82.00	\$84.00	\$70.00		
1 DESIGN / PRELIMINARY SERVICES (PC 181)															
a. Review Plans															
HYDROLOGIC ANALYSES (4 Driveway culverts)	N/A	1	1		2									12	\$ 1,305.00
CREATE EXTERIOR DRAINAGE AREA MAP	1				2	4								4	\$ 422.00
DITCH CAPACITIES AND TABLES	1				1	2								10	\$ 1,098.00
DRIVEWAY / MEDIAN X-OVER CULVERTS (4)	1	1	1		2	8	12							24	\$ 2,061.00
SUMMARY OF DRAINAGE QUANTITIES	1				2	2								4	\$ 400.00
MISCELLANEOUS DRAINAGE DETAILS	1	1	1		1	4								7	\$ 678.00
ASSEMBLE APPLICABLE STANDARDS	1				1	2								3	\$ 303.00
SWMP PLANS AND SUMMARY	3		1		2	2								5	\$ 599.00
b. WATER QUALITY AND BMP FEATURE DESIGN	N/A				1	2								3	\$ 303.00
c. WATER QUALITY FEATURE LAYOUT SHEETS	N/A		1		1	1	4							6	\$ 905.00
d. CONTRIBUTING ZONE PLAN AND COORDINATION	N/A		1		1	1								4	\$ 533.00
ASSEMBLE APPLICABLE STANDARDS	N/A				1	1	4							6	\$ 643.00
b. Attend Meetings		1	1	2	4									8	\$ 1,157.00
PC 181 - SUBTOTALS															
HOURS SUBTOTALS		4	8	4	16	37	26	0	0	0	0	0	0	80	
LABOR COST SUBTOTALS		\$ 856.00	\$ 1,416.00	\$ 580.00	\$ 2,384.00	\$ 3,404.00	\$ 2,808.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 11,345.00
2 PROJECT MANAGEMENT (PC 184)															
a. PROGRESS REPORTS, DOCS, INVOICE, GEG COORD	N/A					4								4	\$ 568.00
	N/A														
	N/A														
	N/A														
	N/A														
PC 184 - SUBTOTALS														4	\$ 568.00
HOURS SUBTOTALS		0	0	0	0	4	0	0	0	0	0	0	0	4	
LABOR COST SUBTOTALS		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 168.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 168.00
														SUBTOTAL LABOR COSTS	
														\$ 11,613.00	

Seward Junction Southeast
US 183 / CR 259 to SH 29 / CR 266
Williamson County

Fee Schedule/Budget for CP&Y, Inc.

Task Description		No. of Sheets	Environ Manager	Senior Environ Specialist	Environ Specialist	GIS Specialist	Admin / Clerical	Total Labor Hours	Total Direct Labor Costs
			\$168.00	\$116.00	\$92.00	\$84.00	\$70.00		
FC 120 - SOCIAL, ECONOMIC & ENVIRONMENTAL STUDIES									
120.1 WATERS OF THE U.S.									
1	TXRAM FUNCTIONAL ASSESSMENT	N/A	2	14	20	10	1	47	\$ 4,710.00
2	USACE PRE-CONSTRUCTION NOTIFICATION	N/A	14	32	24	10	1	81	\$ 9,182.00
								128	\$ 13,892.00
FC 120 - SUBTOTALS									
HOURS SUBTOTALS			16	46	44	20	2	128	
LABOR COST SUBTOTALS			\$ 2,688.00	\$ 5,336.00	\$ 4,048.00	\$ 1,680.00	\$ 140.00		\$ 13,892.00
									\$ 13,892.00

Expense Item	Unit	Unit Cost	Amount	Total Cost
8 1/2" X 11" B/W Paper Copies	sheet	\$ 0.10	500	\$ 50.00
11" X 17" B/W Paper Copies	sheet	\$ 0.15	50	\$ 7.50
8 1/2" X 11" Color Paper Copies	sheet	\$ 1.00	100	\$ 100.00
11" X 17" Color Paper Copies	sheet	\$ 1.80	50	\$ 90.00
Standard Postage	letter	\$ 0.45	10	\$ 4.50
Express Mail (Standard)	each	\$ 15.00	2	\$ 30.00
Deliveries	each	\$ 25.00	4	\$ 100.00
Rental Car	day	\$ 80.00	1	\$ 80.00
Meals	day	\$ 36.00	1	\$ 36.00
Mileage	mile	\$ 0.550	600	\$ 330.00
GPS Rental	day	\$ 80.000	1	\$ 80.00
SUBTOTAL DIRECT EXPENSES				\$ 908.00

PEC Pond - Estimated Fee Schedule

Task and Description	Engineer (Principal)	Senior Engineer	Engineer (PE)	Registered Surveyor	Engineer in Training	Senior Technician	Clerical	2-Man Survey	Total Estimate
Hourly Rate:	233	216	161	134	133	128	72	160	
Design Phase (FC 161)									
a. Obtain related data, plats, plans, studies and reports			4		8		2		1,852
b. Prepare construction drawings and specs	2	4	40		120				23,730
c. Proposed roadway coordination			12		8				2,996
d. Prepare project quantities and cost estimate			8		8				2,352
e. Client review and revisions			12		24				5,124
f. Prepare and submit SWP to City			8		16				3,416
g. Prepare and submit CZP Modification		2	16		32		4		7,552
g. ODE - TCEQ Submittal Fee									5,000
Subtotal Hours:	2	6	100	0	216	0	6	0	330
Subtotal Fees:	\$466	\$1,296	\$16,100	\$0	\$28,728	\$0	\$432	\$0	\$52,022
Topographic Surveying Phase (FC 150)									
a. Obtain right-of-entry			1	1			1		367
b. Prefield (Texas811, OneCall)				1			1		262
c. Field-Topo								8	1,280
d. Office-process, draft, DTM				2			8		1,292
e. QA/QC				1			1		262
Subtotal Hours:	0	0	0	4	0	10	0	8	22
Subtotal Fees:	\$0	\$0	\$0	\$536	\$0	\$1,280	\$0	\$1,280	\$3,096
Bidding & Construction Phase Services (FC 309)									
a. Respond to Bidder questions as necessary			8		8				2,352
Subtotal Hours:	0	0	8	0	8	0	0	0	16
Subtotal Fees:	\$0	\$0	\$1,288	\$0	\$1,064	\$0	\$0	\$0	\$2,352
TOTAL HOURS:	2	6	108	4	224	10	6	8	368
TOTAL FEES:	\$466	\$1,296	\$17,388	\$536	\$29,792	\$1,280	\$432	\$1,280	\$57,470

ATTACHMENT D-4 SUPPLEMENTAL FEE SCHEDULE
METHOD OF PAYMENT TIME AND MATERIALS

BOWMAN CONSULTING
SYMA to WMA#1

WILLIAMSON COUNTY
SEWARD JUNCTION SOUTHEAST

FUNCTION CODE 180 - SURVEY		Survey Director	Proposed Surveyor	IST	Survey Technician	2 Portion Field Crew	subtotals
ROW Survey		\$180	\$120	\$100	\$140		
Design Survey	Reverse Field Notes for Pond and Storm Sewer Locations	0	16	8			\$2,080
	Prepare Field Notes for New Pond and Storm Sewer Easements	0	4				\$3,200
	QA/QC	4	\$2,400	\$800	\$0		\$1,120
	subtotal	\$3,200					\$6,400
	Reverse Survey Control Sheets	2	8				\$860
QA/QC subtotal		\$320	\$960	\$0	\$0		\$1,280
TOTALS		\$3,520	\$3,360	\$800	\$0		\$7,680