

STATE OF TEXAS

COUNTY OF WILLIAMSON

SUPPLEMENTAL CONTRACT NO. 4 TO CONTRACT FOR ENGINEERING SERVICES

FIRM:CP&Y, INC.("Engineer")ADDRESS:13809 Research Boulevard, Suite 300, Austin, TX 78750PROJECT:Kenney Fort Boulevard (Segments 2 & 3)

This Supplemental Contract No. 4 to Contract for Engineering Services is made by and between the City of Round Rock, Texas, hereinafter called the "City" and CP&Y, Inc., hereinafter called the "Engineer".

WHEREAS, the City and Engineer executed a Contract for Engineering Services, hereinafter called the "Contract", on the 11th day of February, 2016 for the Kenney Fort Boulevard (Segments 2 & 3) Project in the amount of \$933,519.78; and

WHEREAS, the City and Engineer executed Supplemental Contract No. 1 on April 12, 2018 to amend the scope of services and to increase the compensation by \$135,900.00 to a total of \$1,069,419.78; and

WHEREAS, the City and Engineer executed Supplemental Contract No. 2 on November 8, 2018 to amend the scope of services and to increase the compensation by \$840,597.18 to a total of \$1,910,016.96; and

WHEREAS, the City and Engineer executed Supplemental Contract No. 3 on June 27, 2019 to amend the scope of services and to increase the compensation by \$83,520.00 to a total of \$1,993,536.96; and

WHEREAS, it has become necessary to amend the Contract to modify the provisions for the scope of services and to increase the compensation by \$114,698.50 to a total of \$2,108,235.46;

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

I.

<u>Article 1, City Services</u> and <u>Exhibit A, City Services</u> shall be amended as set forth in the attached <u>Addendum to Exhibit A</u>.

II.

<u>Article 2, Engineering Services</u> and <u>Exhibit B, Engineering Services</u> shall be amended as set forth in the attached <u>Addendum to Exhibit B</u>. <u>Exhibit C, Work Schedule</u> shall be amended as set forth in the attached <u>Addendum to Exhibit C</u>.

III.

<u>Article 4, Compensation</u> and <u>Exhibit D, Fee Schedule</u> shall be amended by increasing by \$114,698.50 the lump sum amount payable under the Contract for a total of \$2,108,235.46, as shown by the attached <u>Addendum to Exhibit D</u>.

IN WITNESS WHEREOF, the City and the Engineer have executed this Supplemental Contract in duplicate.

[signature pages follow]

1) apters CP&Y, INC. By: Senior Vice President

June 19, 2020

Date

CITY OF ROUND ROCK

APPROVED AS TO FORM:

By: ____

Craig Morgan, Mayor

Stephan L. Sheets, City Attorney

Date

ADDENDUM TO EXHIBIT A City Services

The City will continue to furnish to the Engineer the following information and/or perform the following tasks:

- 1. Provide any existing data the Owner has on file concerning the project, if available.
- 2. Assist with the coordination of any required public involvement, attend one-on-one meetings with officials, neighborhood groups, and local businesses and attend an open house, if necessary. For public meetings or hearings, schedule and reserve the meeting location and place the required advertisements.
- 3. Assist the Engineer, as necessary, in obtaining any required data and information from the State, County, Upper Brushy Creek Water Control & Improvement District, neighboring Cities and/or other franchise utility companies.
- 4. Give prompt written notice to Engineer whenever the Owner observes or otherwise becomes aware of any development that affects the scope or timing of Engineer's services.
- 5. Meet on an as needed basis to answer questions, provide guidance and offer comment.
- 6. Provide construction inspection and construction testing services including coordination and scope of services.
- 7. In conjunction with the Texas Department of Transportation (TxDOT), provide the following:
 - a) Federal Highway Administration (FHWA) coordination
 - b) Environmental document review
 - c) Relevant prior and/or adjacent plan sets, studies, and planning documents
 - d) Ground Penetrating Radar (GPR) testing of existing frontage road pavement
 - e) Review and approval of traffic volume projections
 - f) Equivalent Single Axle Load (ESAL) calculations
- 8. Provide existing signal timing information for study intersections.

ADDENDUM TO EXHIBIT B Engineering Services

Additional effort for Supplement #4 for the Kenney Fort Boulevard Segment 2 & 3 Project design services contract includes:

- Forest Creek Drive right turn lanes
 - Additional design layout effort, traffic control plan modifications, roadway sheets, removal sheets, signing & pavement marking sheets, and cross sections
 - Update drainage analysis and drainage plans
- Hooded left turn on Kenney Fort at station 78+00 south of Forest Creek,
- Additional Survey Services
 - Extend Topographic survey on Forest Creek Drive for right turn lanes
 - Additional survey for water and wastewater lines
 - Update Parcel 1 (Timmerman) for additional ROW on Forest Creek for EB right turn lane
 - ROW Staking for property owner visualization and fence construction
- Additional ROW coordination
 - Condemnation hearing exhibit preparation
 - Attending condemnation hearings (2)
- Pflugerville Future Kenney Fort Boulevard Extension SH45 to New Meister Lane
 - o Concept Schematic
 - o Add curb return dead-end stub-out at SH45 into PS&E plans.
- TxDOT Local Government Project Procedures (LGPP) Coordination
 - Additional TxDOT Coordination for Federal Funded Project
- Environmental 404 Permitting

The tasks and products are more fully described in the following TASK OUTLINE.

I. SURVEYING SERVICES

The Kenney Fort Boulevard (KFB) Water and Wastewater Line (WWL) Improvements Project requires additional survey information in order to complete the design of the water and wastewater lines already under contract. Survey needs include elevation and inverts of 13 wastewater manholes, flow line of 4 storm drain inlets/junction box, and discrete topographic survey.

The survey is anticipated to be complete approximately one month following Notice to Proceed.

A. SUPPLEMENTAL TOPOGRAPHIC SURVEY

1. Surveyor will provide the professional and technical staff necessary to perform a detailed topographic survey of Forest Creek Drive extended limits and miscellaneous WWMH locations. The survey will include at a minimum topography, improvements, fences, visible utilities, identifiable appurtenances, drainage structures, etc. Surveyor will obtain flow line elevations & pipe sizes (if ascertainable) for each wastewater and storm drain manhole within the limits of the survey area. Surveyor will also submit a utility locate request to Texas811 for the segment along the roadway and survey in their markings.

B. ROW DOCUMENTS

- 1. The Surveyor will update the metes and bounds descriptions and ROW exhibit for the additional ROW needed for the Forest Creek Drive right turn. The Surveyor will set monuments along the proposed ROW acquisition line for additional ROW.
- C. ROW STAKING
 - 1. The Surveyor will stake and/or flag the new ROW line along private property owners for parcel numbers 5, 6, 14, 15, 17, 18, 19, and 20 for purposes of property owner visualization and fence construction. ROW Staking shall be set at 100' intervals on linear segments with good visibility and 50' intervals on curves.

II. SECTION 404 PERMITTING

A. DATA COLLECTION (provided by CP&Y, Inc.)

- 1. The CONSULTANT shall 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 effort would utilize previously gathered data in addition to field investigations. This task shall include preparation of TxRAM Stream Data Sheets, Scoring Sheets, associated exhibits, and the Aquatic Resource Compensation Calculator. For wetland areas, TxRAM Wetland Data Sheets, Wetland Scoring Sheets, associated exhibits, and Wetland Final Scoring Sheet for Evaluating Proposed Mitigation/Impact Activities Sheet would be completed. This would be completed for impacted streams/wetlands and potential mitigation locations. The output from TxRAM will be used to calculate adverse impacts and compensatory mitigation required by USACE as part of the USACE Pre-Construction Notification (PCN).
- B. USACE Pre-Construction Notification Based on the project design, it is anticipated that the project could be permitted under Nationwide Permit (NWP) #14 (Linear Transportation Projects), along with submittal of a PCN to the USACE. Specific permitting tasks include the following:
 - 1. Pre-Application Meeting the CONSULTANT shall participate in one (1) pre-application meeting, via teleconference/Skype meeting, with the USACE to discuss the project impacts, avoidance/minimization measures, permitting requirements, and potential mitigation options.
 - 2. PCN Preparation the CONSULTANT 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.

It is anticipated that a Conceptual Mitigation Plan will be required for submittal as part of the PCN. The Conceptual Mitigation Plan will detail the avoidance and minimization measures during the planning and design phases for the project. No USACE-approved mitigation banks are in the vicinity (i.e., watershed) of the project area; therefore, it is anticipated that any required compensatory mitigation will be accomplished through permittee-responsible mitigation. Detailed mitigation requirements will be discussed with the USACE; if required, a Detailed Mitigation Plan would be prepared under a supplemental agreement.

III. PLANS, SPECIFICATIONS & ESTIMATE

A. ROADWAY DESIGN (provided by CP&Y)

- 1. Roadway Plans & Geometry
 - (a) Proposed typical sections will be updated to depict the improvements to Forest Creek Drive right turn lanes. The proposed typical sections are intended to show the general cross-sectional configuration of the roadway in logical sections and will be prepared to the appropriate level of detail and limits to convey that general information.
 - (b) A horizontal alignment data sheets will be updated to include the horizontal geometric information for Forest Creek Drive.
 - (c) Forest Creek Drive roadway plan and profile sheets shall be completed depicting the proposed construction. The plan and profile sheets will be prepared at a scale of 1"=50' H and 1"=5' V. Combination rail along the back of sidewalk will be replaced with TxDOT C411 Texas Classic Rail Standard Detail.
 - (d) Forest Creek Drive removal sheets will be added for removal of existing elements at scale of 1"=50'
 - (e) Kenney Fort Blvd roadway plan & profile sheets will be modified to include a hooded left turn south of Forest Creek Drive.
- 2. Grading and Details
 - (a) Design cross sections will be completed at 50-foot interval along Forest Creek Drive for the determination of cut and fill quantities. Cross sections will not be developed as a deliverable for phased TCP.
 - (b) Driveway layout and profile will be prepared for the additional driveway on eastbound Forest Creek.
- 3. City of Pflugerville Future Extension of Kenney Fort Boulevard

- (a) The Engineer will a conceptual schematic alignment design for a future extension of Kenney Fort Boulevard from SH45 existing intersection to New Meister Lane. The alignment will minimize impacts to the existing MoKan right of way.
- (b) Update current PS&E plans for construction of a stub for the Pflugerville future extension. This will require an additional intersection sheet.

B. DRAINAGE & EROSION CONTROL DESIGN

(provided by K-Friese.)

ATLAS 14 IMPACTS

The engineer will update current 60% Plans, Specifications & Estimates (PS&E) plans to incorporate Atlas 14 precipitation for 90%, and final 100% plans. Impacts and scope of work include the following.

- 1. Atlas 14 Memo
 - (a) The engineer will prepare a technical memo to documenting the updated Atlas 14 precipitation data. The precipitation data will be based upon research between TxDOT and the Texas Transportation Institute which is expected to be incorporated into the TxDOT online Hydraulic Design Manual. In addition, the technical memo will update the project's design criteria. Two 1-hour meetings are assumed for discussion and approval of selected precipitation data/ design criteria.
- 2. 2. Storm Sewer and Inlet Design
 - (a) Update Geopak Drainage calculations to assess impacts of Atlas 14. Update storm sewer sizes and inlet design. Additional inlets at some locations and increased storm sewer sizes are anticipated.
- 3. Offsite Hydrology and Major Crossings
 - (a) Recalculate offsite flows to the project using Atlas 14 precipitation data. Update the Upper Brushy Creek Central Model to calculate flows across project and tributary to major crossings. The Upper Brush Creek Main Stem model used for evaluating offsite impacts will not be updated for this effort. Revaluate cross structure sizes per freeboard criteria. If changes in infrastructure results differ from what is stated below, a supplement amendment will be necessary to address the design changes. Major structures are:
 - (i) Crossing to Dyer Creek south of Forest Creek (Approx. STA 74+50)
 - (ii) Crossing to Dyer Creek south of Forest Creek (Approx. STA 84+00)
 - (iii) Crossing to Dyer Creek between Forest Creek and Gattis School (Approx. STA 93+00)
 - (iv) 48" Outflow pipe for Rolling Ridge Neighborhood (Approx. STA 104+00)
 - a) If existing storm sewer is undersized the proposed crossing will be correctly sized. Offsite storm sewer will remain for future improvement project.
 - (v) SH 45 Culvert Extension (Approx. STA 146+50 to STA 139+50)
 - a) Performance of culvert extension will be revaluated but extension will not be upgraded to larger size. (vi) Crossing of Meister Lane along Gattis School Road to Dyer Creek (Approx. STA 108+00 to 116+00
 - on Gattis School Road alignment)
 - (vii) Bridge class culvert crossing of Dyer Creek
 - a) Update HEC-RAS Calculations. Culvert will not be upsized.

Anticipated minor structures are (minor structures are anticipated to be connected to the storm sewer system and conveyed to a major structure):

- (viii) 36" Outflow pipe for Rolling Ridge Neighborhood (Approx. STA 97+00)
 - a) If existing storm sewer is undersized the proposed crossing will be correctly sized. Offsite storm sewer will remain for future improvement project.
- (ix) 48" Outflow pipe for Rolling Ridge Neighborhood (Approx. STA 112+00)a) If existing storm sewer is undersized the proposed crossing will be correctly sized. Offsitestorm sewer will remain for future improvement project.
- (x) Crossing of shallow channel approximately 500-ft south of Gattis School Road (Approx. STA 122+00)
- (xi) Crossing near the end of Westview Drive (Approx. STA 140+00)
- (xii)Outflow pipe from development at Northeast corner of SH 45 and Kenney Fort Blvd. (Approx. STA 146+00)
- 4. Ditch Design
 - (a) Update roadside ditch calculations to incorporate Atlas 14 precipitation using the Rational Method and updated IDF curves. Revaluate freeboard criteria, permissible velocities, and shear stresses. Update ditch design or provide erosion protection measures as applicable.
- 5. Floodplain Impacts

- (a) Right side Kenney Fort retaining wall will be revaluated between Sta. 92+00 to 103+00 per increased floodplain map risk associated with Atlas 14 data.
- 6. Drainage Calculation Table Updates
 - (a) The following drainage calculations tables from the 60% PS&E design phase will be updated and expanded as required.
 - Onsite Drainage Calculations (7 Sheets)
 - Culvert Hydraulic Data Sheets / HEC-RAS Calculations (7 Sheets)
- 7. Drainage Report Update
 - (a) Update drainage report with sections discussing new precipitation data, hydrologic approach and analysis, hydraulic approach and analysis, and changes made to the effective Upper Brushy Creek Central Model and Main Stem model. Updates for the Main Stem model will be for information only and will not be used for design.
- 8. Storm Water Detention
 - (a) It is not anticipated that detention facilities will be required based on Atlas 14 updates. The Upper Brush Creek Main Stem will be updated for Atlas 14; however, if analysis determines that detention may provide some benefit a supplement amendment will be required for detention design and analysis.
- 9. Adjust inlets existing inlets on Forest Creek Drive for new right turn lanes
- 10. Evaluate pavement spread on new Forest Creek Drive right turn lanes.
- 11. Update drainage area map, storm sewer design, and hydraulic calculation tables for modified inlet locations
- 12. Adjust existing storm drain inlet and add additional at SH45 EBFR for Pflugerville Kenney Fort Blvd curb-return stub.
- 13. Create additional erosion control sheets for new Forest Creek Drive right turn lanes.

C. SIGNING & PAVEMENT MARKINGS (provided by CP&Y)

- 1. Small Signing and Pavement Markings
 - (a) Signing and Pavement marking layouts will be prepared at a scale of 1"=50' for Forest Creek Drive. Road signs and markings will be shown all on the same plan sheet. Each sign will have a corresponding number for cross-reference to the sign summaries.
- D. MISCELLANEOUS ROADWAY (provided by CP&Y, Inc.)
 - 1. Traffic Control Plan
 - (a) Traffic control typical sections and traffic control plan narrative will be updated to include Forest Creek Drive construction.
 - (b) Traffic control plan sheets (2) will be added to include Forest Creek Drive and shown in one phase, two (2) sheets.
- *E.* TxDOT Coordination and Local Government Project Procedures (LGPP)
 - 1. The Engineer will complete the additional coordination with TxDOT required due to the project receiving federal funding including LGPP processes.
- F. RIGHT OF WAY COORDINATION
 - 1. Condemnation Hearing Attendance
 - (a) The Engineer attend two (2) right of way condemnation hearings to answer project engineering questions.
 - 2. The Engineer will coordinate with the Right of Way Consultant for the Preparation of Right of Way Exhibits to be used in the Condemnation Hearings for two (2) land parcels. The right of way exhibits will include: Project Overview, Existing Parcel Overviews, Proposed ROW Areas, and Typical Sections.

IV. ADDITIONAL SERVICES

- A. Engineer will develop at the request of the Owner any changes, alterations or modifications to the Project which appear to be advisable and feasible based on unexpected field conditions and in the best interest of the Owner
- B. Work not described in the basic services must be approved by supplemental amendment to this Contract by the Owner before the Engineer undertakes it. If the Engineer is of the opinion that any work is beyond the scope of this Contract and constitutes additional work, the Engineer shall promptly notify the Owner of that opinion, in writing. In the event the City finds that such work does constitute additional work, then the City shall so advise the Engineer, in writing, and shall provide extra compensation to the Engineer for the additional work as provided under a supplemental amendment.

ADDENDUM TO EXHIBIT C Work Schedule

Attached Behind This Page

	2019 2020 2021 H1 H2 H1 H2 H1 H2	DOT AFA Executed	Environmental	Ibmit ENV Scope Document	Draft EA	12/1/20 🔶 Public Hearing	Draft FONSI	1/29/21 Enviornmental Cl	404 Permit	Design Phase	TxDOT Schematic Coordination	PS&E Start	60% PS&E Plan Development	/19 🔷 60% PS&E Submittal	60% PS&E Review	90% PS&E Plan Development	7/16/20 🔶 90% PS&E Submittal	90% PS&E Review	Final Plan Development	1/29/21					CRY
schedule	2018 H1 H2	11/1/18 🔶 Txl	L	11/16/18 🔶 Su						L		1/1/19		4/30										Summary T	
EXHIBIT C / Fort Boulevard - 9	Finish	Thu 11/1/18	Fri 2/26/21	Fri 11/16/18	Wed 8/19/20	Tue 12/1/20	Fri 1/15/21	Fri 1/29/21	Fri 2/26/21	Fri 1/29/21	Tue 1/1/19	Tue 1/1/19	Tue 4/30/19	Tue 4/30/19	Tue 5/14/19	Wed 7/15/20	Thu 7/16/20	Thu 8/6/20	Thu 9/10/20	Fri 1/29/21	Fri 10/14/22	Fri 10/14/22	Fri 10/14/22	•	Page 2 of 2
Kenney	Start	Thu 11/1/18	Fri 11/16/18	Fri 11/16/18	Thu 2/7/19	Tue 12/1/20	Mon 1/4/21	Fri 1/29/21	Mon 5/18/20	Thu 11/1/18	Thu 11/1/18	Tue 1/1/19	Wed 2/6/19	Tue 4/30/19	Wed 5/1/19	Thu 6/11/20	Thu 7/16/20	Fri 7/17/20	Fri 8/7/20	Fri 1/29/21	Mon 5/3/21	Mon 5/3/21	Fri 10/14/22	Milestor	
	Duration	0 days	596 days	0 days	400 days	0 days	10 days	0 days	205 days	587 days	44 days	0 days	60 days	0 days	10 days	25 days	0 days	15 days	25 days	0 days	380 days	380 days	0 days		
	Task Name	TxDOT AFA Executed	Environmental Documentation	Submit ENV Scope Document	Draft EA	Public Hearing	Draft FONSI	Enviornmental Clearance	404 Permit	Design Phase	TxDOT Schematic Coordination	PS&E Start	60% PS&E Plan Development	60% PS&E Submittal	60% PS&E Review	90% PS&E Plan Development	90% PS&E Submittal	90% PS&E Review	Final Plan Development	Submit Final Plans	Construction	Begin Construction	End Construction	Task ROUND ROCK, TEXAS PURPOSE INSION PROSPERITY	
	₽	H	2	ε	4	2	9	2	∞	6	10	11	12	13	14	15	16	17	18	19	20	21	22		

ADDENDUM TO EXHIBIT D Fee Schedule

Attached Behind This Page

EXHIBIT D SUMMARY - SUPPLEMENT 4

KENNEY FORT BLVD, SEGMENTS 2 & 3 FOREST CREEK TO SH 45 City of Round Rock

Task Description	Total Cost
TOTAL LABOR COSTS	
I. Surveying Services	
Geotechnical Investigations CORSAIR	\$ - \$ 28,000,00
I. Surveying	\$ 28,000.00
	÷ 20,000.00
II. SOCIAL, ECONOMIC & ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT	\$ 28,505,00
	φ 20,003.00
II. SOCIAL, ECONOMIC & ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT Subtotal	\$ 28,505.00
III. PLANS. SPECIFICATIONS AND ESTIMATE	
Utility Adjustments CP&Y	
Utility Coordination Cobb Fendley	• • • • • • • • • •
Koadway Design Controls CP&Y	\$ 13,485.00 \$ 28,765.00
Signing, Markings and Signalization CP&Y	\$ 1.430.00
Signing, Markings and Signalization - Signals HDR	\$ -
Miscellaneous Roadway (Section III - D, E & F) CP&Y	\$ 12,435.00
Miscellaneous Roadway K Friese	\$ 1,705.00
III. PLANS, SPECIFICATIONS AND ESTIMATE Subtotal	\$ 56,115.00
IV. PROJECT MANAGEMENT	
Project Management (12 months) CP&Y	
IV. PROJECT MANAGEMENT Subtotal	\$ -
V. Bid and Construction Phase Services	
Bid Phase CP&Y	
Construction Phase CP&Y	
Construction Phase - Signals HDR	
V. Bid and Construction Phase Services Subtotal	\$-
SUBTOTAL LABOR EXPENSES	\$ 114.325.00
EXPENSES - CP&Y CP&Y	\$ 373.50
EXPENSES - HDR HDR	\$ -
EXPENSES - Rifeline Rifeline	
EXPENSES - Veral Veral Veral	\$ - ¢
EXPENSES - K Friese K Friese	\$-
	¢ 444.000.50
GRAND TOTAL	\$ 114,698.50
SUMMARY of Cost breakdown by Firm	
CP&Y	\$ 84,228.50
Cobb Fendley	\$ -
HDR K Friese	\$ 30.470.00
Rifeline	\$ -
Verdi	\$ -
JAS	\$ -
Corsair	φ -

Exhibit D

Kenney Fort Blvd. Additional Survey FOREST CREEK TO SH 45 City of Round Rock

Task Description	Total Labor Hours	Total Loaded Labor Cost	Other Direct Costs
I. SURVEY SERVICES			
		\$ 18.400.00	¢
A. SUFFLEMENTAL TUPUGNAFTIC SURVET		φ 10,400.00	φ -
B. ROW DOCUMENTS		\$ 1,600.00	
C. ROW STAKING		\$ 8,000.00	
	0	* 00.000.00	^
SUB-TOTAL SURVEY SERVICES	0	\$ 28,000.00	ъ -
II. ADDITIONAL SERVICES			
SUB-TOTAL ADDITIONAL SERVICES		\$-	\$-
SUB-TOTAL (SURVEY & ADDITIONAL SERVICES)		\$ 28,000.00	\$-
GRAND TOTAL (SURVEY & ADDITIONAL SERVICES & EXPENSE	S)	\$	28,000.00

Exhibit D - Supplement 4

KENNEY FORT BLVD, SEGMENTS 2 & 3 FOREST CREEK TO SH 45 City of Round Rock

Fee Schedule/Budget for CP&Y, Inc.

	Project	Senior	Fnviron	Senior	Environ	Senior			Admin /	Total Labor	Total Direct
Task Description	Manager	Engineer	Manager	Environ Specialist	Specialist	Architectural Historian	Biologist	GIS Specialist	Clerical	Hours	Labor Costs
	\$210.00	\$170.00	\$195.00	\$130.00	\$115.00	\$135.00	\$104.00	\$85.00	\$104.00		
		-									
II: SOCIAL, ECO.	NOMIC & ENVII	RONMENTAL ST	UDIES AND PUI	BLIC INVOLVEMI	ENT						
I. Environmental documentation											
Data Collection	-		4	œ			60	œ		81	\$ 8,950.00
										81	\$ 8,950.00
II USACE Pre-Construction Notification											
Pre-Application Meeting	2		e	4			2			11	\$ 1,733.00
PCN Preparation	2		4	12	30		25	8	4	92	\$ 9,906.00
Conceptual Mitigation Plan	1	2	2	8	24		24	8		69	\$ 7,916.00
										165	\$ 19,555.00
II SUBTOTALS											
HOURS SUB-TOT	9 1	2	13	32	54	0	111	24	4	246	\$ 28,505.00
SUBTOTAL	\$ 1,260.00	\$ 340.00	\$ 2,535.00	\$ 4,160.00	\$ 6,210.00	ۍ ا	\$ 11,544.00	\$ 2,040.00	\$ 416.00		\$ 28,505.00

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KENNEY FORT BLVD, SEGMENTS 2 & 3 FOREST

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Fee Schedule/Budget for CP&Y, Inc.

Total Direct Labor Costs	
Total Labor Hours	
GIS Specialist	\$85.00
CADD Operator	\$105.00
Senior CADD Operator	\$120.00
Chief Hydrologist	\$210.00
E.I.T.	\$105.00
Design Engineer	\$135.00
Senior Engineer	\$170.00
Project Manager	\$210.00
Task Description	

III. PLANS. SPECIFICATIONS AND ESTIMATE

A Roadway Design Controls											
A1 Roadway Plans & Geometry	•	•	-			-				Ь	
a Existing Typical Sections - Forest Creek Drive	•	•	2				- 2		4	ь	480.00
b Proposed Typical Sections - Forest Creek Drive	•	1	4	•			-		9	ь	815.00
c Horizontal Data Sheet - Forest Creek Drive	•		-				-		2	ь	240.00
e Forest Creek Drive Plan & Profiles (2) - Right Tum Lanes	-	2	•	18			4	'	25	\$	2,860.00
g Removal Sheets - Forest Creek Drive & SH45 EBFR (3)	•	1		10			- 2	1	13	\$	1,430.00
A2 Grading and Details	•	1						1		ь	
a 50-ft Cross Sections - Forest Creek	•	2		10			4	•	16	۔ ج	1,810.00
A3 Future Pflugerville Kenney Fort Blvd Extension - Schematic	•	1				,		1		с о	,
a Conceptual Schematic SH45 to New Meister Lane	~	4	•	18			~	•	31	с) 69	3,620.00
b Intersection layouts 1"=40' - SH45 EBFR	•	2	•	16			- 2	•	20	\$	2,230.00
							-		117	\$	3,485.00
B Drainage Design											
a Performed by KFriese	•	•	•				•	'		ь	
									0	ŝ	
C Signing, Markings and Signalization											
D1 a Signing & Pavement Marking Layouts - Forest Creek Dr		1	-	10			- 2		13	\$	1,430.00
									13	\$	1,430.00
D Miscellaneous Roadway											
E2 Traffic Control Plan	•	'	•				•	'		ь	
a TCP Typicals - Forest Creek Drive	•	1	•	4			-		9	ь	695.00
e TCP Plans Sheets (2) - Forest Creek Drive	•	2	•	14			- 4	'	20	ŝ	2,230.00
									26	\$	2,925.00
E TxDOT Coordination and Local Government Project Procedures											
E1 TxDOT Coordination for Federal Funding & LGPP	2	14	-			-	-	'	16	ŝ	2,800.00
									16	\$	2,800.00
F Right of Way Coordination											
F1 Condemnation Meeting	16		-			-	-		91	со es	3,360.00
F2 Right of Way Exhibits & Coordination	3	4	•					24	31	ŝ	3,350.00
									47	\$	5,710.00
III. PLANS, SPECIFICATIONS AND ESTIMATE- SUBTOTAL											
HOURS SUB-TOTALS	23	34	2	100		0	31	24	219	\$ 27	7,350.00
SUBTOTAL	\$ 4,830.00	\$ 5,780.00	\$ 945.00	\$ 10,500.00	۰ \$	•	\$ 3,255.00	\$ 2,040.00		\$27	7,350.00

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KENNEY FORT BLVD, SEGMENTS 2 & 3 FOREST CREEK TO SH 45 City of Round Rock

Fee Schedule/Budget for K Friese

Total Direct Labor Costs		
Total Labor Hours		
Admin / Clerical	\$60.00	
Senior CADD Operator	\$85.00	
E.I.T.	\$100.00	
Design Engineer	\$110.00	
Senior Engineer	\$160.00	
Project Manager	\$190.00	
Task Description		

III. PLANS, SPECIFICATIONS AND ESTIMATE								
C Drainage Design	_							
C1 Crossing Structure Hydrology and Hydraulic Analysis								'
a Data Collection								'
b Hydrology : External Drainage Area Maps								'
c Hydraulic Analysis	18.0		2.0	10.0			30	\$ 4,640.00
d Drainage Report	2.0		2.0	6.0			10	\$ 1,200.00
e Culvert Layout sheets	6.0		2.0	18.0			26	\$ 3,160.00
f Culvert Hydraulic Data Sheets	4.0		2.0	12.0			18	\$ 2,180.00
g Culvert Standards and Details								1
C2 Dyer Creek Hydrology and Hydraulic Impact Analysis								
a Data Collection Atlas 14 / Drainage Memo	6.0		2.0	4.0			12	\$ 1,760.00
b Hydrology	6.0		2.0	4.0			12	\$ 1,760.00
c Hydraulic Analysis	6.0		2.0	12.0			20	\$ 2,560.00
C3 Storm Sewer Design								
a Interior Drainage Area Maps	1.0			5.0			9	§ 690.00
b Inlet compulations	2.0		3.0	6.0			11	\$ 1,310.00
c Storm sewer hydraulics analysis and sheets	1.5		3.0	6.5			11	\$ 1,265.00
d Storm sewer plan and profile sheets	12.0		2.0	40.0			54	6,500.00
e Ditch hydraulics								1
f Drainage standards and details								1
g Trench protection and special shoring								
C4 SW3P and Erosion Control								
a Erosion Control Plans	-		5	10			16	\$ 1,740.00
b SW3P Plan								
c Erosion Control Details								
							226	\$ 28,765.00
E Miscellaneous Roadway								
E6 Quantities - Atlas 14 Impacts								1
f Storm Sewer	-		-	e			5	\$ 505.00
g Culverts				2			ĉ	\$ 295.00
m SW3P and Erosion Control			-	2			ę	\$ 310.00
E7 Summary Sheets - Atlas 14 Impacts								1
f Storm Sewer	0.5		-	-			e	\$ 305.00
g Culverts	0.5			0.5			1	\$ 145.00
m SW3P and Erosion Control	0.5			0.5			-	\$ 145.00
E8 Standards, Specifications and Estimate								
b Specifications								'
c General Notes								1
							15	\$ 1,705.00
III. PLANS, SPECIFICATIONS AND ESTIMATE- SUBTOTAL								
HOURS SUB-TOTALS	68	0	30	143	0	0	241	\$ 30,470.00
SUBTOTAL	\$ 12.920.00	۔ ج	\$ 3,300.00	\$ 14,250.00 \$		' ج		\$30,470.00

SUBTOTAL



