

**SE INNER LOOP  
FM 1460 TO SH 29  
City of Georgtown**

Task Description		Total Cost
<b>TOTAL LABOR COSTS</b>		
<b>I. PROJECT MANAGEMENT</b>		
	<i>PROJECT MANAGEMENT</i>	\$ 66,950.00
	<i>PROJECT MANAGEMENT (water/wastewater)</i>	\$ 35,350.00
	<i>Terracon</i>	\$ 6,552.00
	<b>I. PROJECT MANAGEMENT Subtotal</b>	<b>\$ 108,852.00</b>
<b>II. SURVEY</b>		
	<i>SURVEY, ROW DOCUMENTS</i>	\$ 278,480.00
	<i>GEOTECHNICAL, PAVEMENT DESIGN</i>	\$ 66,935.00
	<i>SUBSURFACE UTILITY ENGINEERING</i>	\$ 81,844.00
	<b>II. SURVEY Subtotal</b>	<b>\$ 427,259.00</b>
<b>III. ROUTE DESIGN STUDIES</b>		
	<i>DATA COLLECTION</i>	\$ 7,445.00
	<i>ALIGNMENT STUDY</i>	\$ 66,105.00
	<i>SCHEMATIC LAYOUT DEVELOPMENT</i>	\$ 56,000.00
	<i>TRAFFIC DATA COLLECTION</i>	\$ 4,925.00
	<i>TRAFFIC ANALYSIS</i>	\$ 34,262.00
	<i>UTILITY COORDINATION</i>	\$ 41,105.00
	<i>WATER/WASTEWATER</i>	\$ 53,530.00
	<i>LANDSCAPE ARCHITECTURE</i>	\$ 28,000.00
	<b>III. ROUTE DESIGN STUDIES Subtotal</b>	<b>\$ 263,372.00</b>
<b>IV. PUBLIC INVOLVEMENT</b>		
	<i>PUBLIC MEETING</i>	\$ 29,685.00
	<b>IV. PUBLIC INVOLVEMENT Subtotal</b>	<b>\$ 29,685.00</b>
<b>V. ENVIRONMENTAL &amp; PUBLIC INVOLVEMENT</b>		
	<i>ENVIRONMENTAL CONSTRAINTS ANALYSIS</i>	\$ 5,760.00
	<i>ENVIRONMENTAL DUE DILIGENCE INVESTIGATIONS</i>	\$ 26,010.00
	<i>TXDOT DOCUMENTATION</i>	\$ 11,160.00
	<i>ARCHEOLOGICAL SURVEY</i>	\$ 17,800.00
	<i>GEOLOGIC ASSESSEMENT AND KARST SURVEY</i>	\$ 5,750.00
	<b>V. ENVIRONMENTAL &amp; PUBLIC INVOLVEMENT Subtotal</b>	<b>\$ 66,480.00</b>
<b>VI.PS&amp;E</b>		
	<i>RIGHT OF WAY AND UTILITY COORDINATION</i>	\$ 2,480.00
	<i>ROADWAY DESIGN CONTROLS</i>	\$ 332,760.00
	<i>DRAINAGE DESIGN</i>	\$ 624,140.00
	<i>SIGNING, MARKINGS, AND SIGNALIZATION</i>	\$ 226,995.00
	<i>MISCELLANEOUS ROADWAY</i>	\$ 379,765.00
	<i>WATER/WASTEWATER UTILITIES</i>	\$ 239,280.00
	<i>LANDSCAPE ARCHITECTURE</i>	\$ 38,000.00
	<b>VI.PS&amp;E Subtotal</b>	<b>\$ 1,805,420.00</b>
<b>VII.BID AND CONSTRUCTION PHASE SERVCIES</b>		
	<i>Bid Phase</i>	\$ 13,175.00
	<i>Construction Phase</i>	\$ 89,690.00
	<i>Construction Phase (WATER/WASTEWATER)</i>	\$ 34,210.00
	<b>VII.BID AND CONSTRUCTION PHASE SERVCIES Subtotal</b>	<b>\$ 137,075.00</b>
<b>SUBTOTAL LABOR EXPENSES</b>		<b>\$ 2,904,143.00</b>
	<i>CP&amp;Y Expenses</i>	\$ 20,709.50
	<i>ATG Expenses</i>	\$ 160.00
	<i>Terracon Expenses</i>	\$ 125,487.50
<b>GRAND TOTAL</b>		<b>\$ 3,050,500.00</b>

**SE INNER LOOP**  
**City of Georgetown**

Fee Schedule/Budget

CP&Y

Project Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	EIT	Senior CAD Technician	Admin	Total Labor Hours	Total Direct Labor Costs
		\$295.00	\$240.00	\$175.00	\$125.00	\$150.00	\$95.00		
<b>I. PROJECT MANAGEMENT</b>									
1	Create and submit monthly invoices (24 months)	9	9				24	42	\$ 7,095.00
2	Prepare monthly progress reports	6	6					12	\$ 3,210.00
3	Meet with City once per month during design (14 months)	20		20				40	\$ 9,400.00
4	Prepare project meeting summaries	4		15				19	\$ 3,805.00
5	Meet with property owners, stakeholders (up to 10 )	20		20				40	\$ 9,400.00
7	Internal Design Team Meetings	16	28	28	28			100	\$ 19,840.00
8	Coordinate and Review Sub-consultant work products	8	20					28	\$ 7,160.00
9	Monitor and Review Sub-consultant invoices	14					6	20	\$ 4,700.00
10	Project Close out	2		10				12	\$ 2,340.00
								<b>313</b>	<b>\$ 66,950.00</b>
<b>PROJECT MANAGEMENT (water/wastewater)</b>									
1	Meet with City every other month during design (7 meetings)		14	14	10			38	\$ 7,060.00
2	Internal Design Team Meetings	10	28	28	28			94	\$ 18,070.00
3	Project coordination		28		28			56	\$ 10,220.00
								<b>188</b>	<b>\$ 35,350.00</b>
	<b>Sub Total</b>	109	133	135	94	0	30	<b>501</b>	<b>\$ 102,300.00</b>

**SE INNER LOOP  
City of Georgetown**

Fee Schedule/Budget

CP&Y

Project Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior CAD Technician	CAD/GIS Technician	Environmental Manager	Environmental Planner II	Admin	Total Labor Hours	Total Direct Labor Costs
		\$295.00	\$240.00	\$175.00	\$150.00	\$125.00	\$150.00	\$95.00	\$210.00	\$100.00	\$95.00		
<b>III.</b>	<b>ROUTE DESIGN STUDIES</b>												
	<b>A DATA COLLECTION</b>												
1, 2	Conduct site visit (2 visits)		2	12		12						26	\$ 4,080.00
3	Collect existing plans and data	1			2	8		4				15	\$ 1,975.00
4	Identify existing agreements			2	4							6	\$ 950.00
5	Collect County parcel data					2		2				4	\$ 440.00
												<b>51</b>	<b>\$ 7,445.00</b>
	<b>B ALIGNMENT STUDY</b>												
1	Develop design criteria	1		2	4							7	\$ 1,245.00
2	Develop 2 alternative geometric configurations.	10	10	20	40	80						160	\$ 24,850.00
3	Develop 2 alternative geometric configurations (Maple St / Sam Houston Int)			20	60	40						120	\$ 17,500.00
	Coordinate with County	8		8								16	\$ 3,760.00
4	Prepare preliminary typical sections				4	6		10				20	\$ 2,300.00
5	Develop preliminary Opinion of Probably Cost Estimates	2	2			10	4					24	\$ 3,820.00
6	Develop scroll plots of alternatives	4		6	8	24	10	12				64	\$ 9,070.00
7	Hold 3 coordination meetings of alternatives	8			8							16	\$ 3,560.00
												<b>427</b>	<b>\$ 66,105.00</b>
	<b>C SCHEMATIC LAYOUT DEVELOPMENT</b>												
1, 2	Further develop horizontal/vertical geometry for 1 alignment	10		10	20	40						80	\$ 12,700.00
3	Prepare typical sections	2		4	6	10		18				40	\$ 5,150.00
4	Develop preliminary cross sections		2		24	60						86	\$ 11,580.00
5	Determine retaining wall limits				8							8	\$ 1,200.00
6	Develop preliminary Opinion of Probably Cost Estimates		2		2	10	6					20	\$ 2,930.00
7	Develop preliminary TCP options	8		10	16	30	16					80	\$ 12,660.00
8	Develop scroll plots of alternatives	4		8	10	16	12	20				70	\$ 9,780.00
												<b>384</b>	<b>\$ 56,000.00</b>
	<b>D TRAFFIC DATA COLLECTION</b>												
1	Turning Movement Counts		2			2						4	\$ 730.00
3	Field review		8			8						16	\$ 2,920.00
4	Collect traffic data	1	2			4						7	\$ 1,275.00
												<b>27</b>	<b>\$ 4,925.00</b>
	<b>E UTILITY COORDINATION</b>												
1	Develop utility contact list			2		10						12	\$ 1,600.00
2	Meet with utility owners to review locations	4			20	40						64	\$ 9,180.00
3	Develop utility conflict layouts	1		4	12	60	3	60				140	\$ 16,445.00
3	Develop utility conflict matrix		2	8	30	60						100	\$ 13,880.00
												<b>316</b>	<b>\$ 41,105.00</b>
	<b>F WATER/WASTEWATER</b>												
	<b>1 DATA COLLECTION</b>												
a	Conduct site visit (2 visits)		4	8		4						16	\$ 2,860.00
b	Review existing plans and data		2		4	8		4				20	\$ 2,810.00
c	Review Development data			2	4	2						8	\$ 1,200.00
	<b>2 ALIGNMENT STUDY</b>												
a	Develop up to two (2) alignments for 16-inch WL		10	8	8	24		4				54	\$ 8,380.00
b	Review water/wastewater conflicts with roadway schematic		5	12	8	10		12				47	\$ 6,890.00
c	Develop conceptual level Opinion of Probable Construction Cost (OPCC)		2	2	2	10	6					20	\$ 2,930.00
d	Develop exhibit for proposed 16-inch WL and identification of conflicts		5	4	8	8	2	20				47	\$ 6,300.00
e	Meeting with City to discuss water/wastewater utilities		5	4		6						15	\$ 2,650.00
	<b>3 SCHEMATIC LAYOUT DEVELOPMENT</b>												
a	Develop horizontal alignments for water/wastewater/reclaimed water		15	12	24	40		24				115	\$ 16,580.00
b	Develop schematic Opinion of Probable Construction Cost Estimates		2		2	10	6					20	\$ 2,930.00
												<b>362</b>	<b>\$ 53,530.00</b>
	<b>Sub Total</b>	<b>64</b>	<b>82</b>	<b>168</b>	<b>344</b>	<b>654</b>	<b>65</b>	<b>190</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,567</b>	<b>\$ 229,110.00</b>

**SE INNER LOOP  
City of Georgetown**

Fee Schedule/Budget

CP&Y

Project Phase	Task Description	Project Manager	Project Engineer	Design Engineer	EIT	Environmenta I Manager	Senior Environmenta I Planner	Environmenta I Planner II	CAD/GIS Technician	Admin	Total Labor Hours	Total Direct Labor Costs
		\$295.00	\$175.00	\$150.00	\$125.00	\$210.00	\$150.00	\$100.00	\$95.00	\$95.00		
<b>IV. PUBLIC INVOLVEMENT</b>												
<b>D.</b>	<b>PUBLIC MEETING</b>										0	\$ -
1	Plan and prepare for public meeting	2		12	40	8	16	64	16		158	\$ 19,390.00
2	Attend public meeting	8				8		8			24	\$ 4,840.00
3	Public Meeting Summary Report	1				6	10	24			41	\$ 5,455.00
											<b>223</b>	<b>\$ 29,685.00</b>
	<b>Sub Total</b>	11	0	12	40	22	26	96	16	0	<b>223</b>	<b>\$ 29,685.00</b>

**SE INNER LOOP  
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Fee Schedule/Budget

CP&Y										
Project Phase	Task Description	Environmenta I Manager	Senior Environmenta I Planner	Environmenta I Planner II	Biologist	Historian	CAD/GIS Technician	Admin	Total Labor Hours	Total Direct Labor Costs
		\$210.00	\$150.00	\$100.00	\$110.00	\$120.00	\$95.00	\$95.00		
<b>V.</b>	<b>ENVIRONMENTAL &amp; PUBLIC INVOLVEMENT</b>									
<b>A.</b>	<b>ENVIRONMENTAL CONSTRAINTS ANALYSIS</b>									
1	Data collection and limited site visit				8	2	12		22	\$ 2,260.00
2	Constraints evaluation	2	2		2	2	4		12	\$ 1,560.00
3	Environmental Constraints Map	2					16		18	\$ 1,940.00
									<b>52</b>	<b>\$ 5,760.00</b>
<b>B.</b>	<b>ENVIRONMENTAL DUE DILIGENCE INVESTIGATIONS</b>									
1	Right-of-Entry	1		6			12		19	\$ 1,950.00
2	Data collection and field reconnaissance		2		24		8		34	\$ 3,700.00
3	Endangered Species Act compliance	2	4		12				18	\$ 2,340.00
4	Clean Water Act compliance	2	4		32				38	\$ 4,540.00
5	Texas Antiquities Code compliance (subconsultant)	2							2	\$ 420.00
6	Environmental Due Diligence Report	4	16		4	4	16		44	\$ 5,680.00
7	Phase I Environmental Site Assessment	4	4	48			12		68	\$ 7,380.00
									<b>223</b>	<b>\$ 26,010.00</b>
<b>C.</b>	<b>TXDOT DOCUMENTATION</b>									
1	ECOS Work Plan Development	10					4		14	\$ 2,480.00
2a	Hazardous Materials Initial Site Assessment	2	4	24			4		34	\$ 3,800.00
2b	Historic Project Coordination Request Form (subconsultant)	2							2	\$ 420.00
2c	Archeological Background Study (subconsultant)	2							2	\$ 420.00
2d	Species Analysis Spreadsheet and Species Analysis Form	2	4		24		4		34	\$ 4,040.00
									<b>86</b>	<b>\$ 11,160.00</b>
	<b>Sub Total</b>	37	40	78	106	8	92	0	<b>361</b>	<b>\$ 42,930.00</b>

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Fee Schedule/Budget

Horizon											
Project Phase	Task Description									Total Labor Hours	Total Direct Labor Costs
<b>V.</b>	<b>ENVIRONMENTAL &amp; PUBLIC INVOLVEMENT</b>										
<b>D</b>	<b>ARCHEOLOGICAL SURVEY</b>										
	Task 1—Archeological Background Studies										\$ 2,000.00
	Task 2—Project Coordination Requests for Historical Resources										\$ 2,000.00
	Task 3—Archeological Survey Fieldwork										\$ 9,000.00
	Task 4—Archeological Technical Report										\$ 2,900.00
	Task 5—Records Curation										\$ 1,900.00
											<b>\$ 17,800.00</b>
<b>E</b>	<b>GEOLOGIC ASSESSEMENT AND KARST SURVEY</b>										
	Task 1: Geologic Assessment										\$ 3,500.00
	Task 2: Phase I Karst Survey										\$ 2,250.00
											<b>\$ 5,750.00</b>
	<b>Sub Total</b>										<b>\$ 23,550.00</b>

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Fee Schedule/Budget

**CP&Y**

Project Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior CAD Technician	CAD/GIS Technician	Environmental Manager	Environmental Planner II	Admin	Total Labor Hours	Total Direct Labor Costs
		\$295.00	\$240.00	\$175.00	\$150.00	\$125.00	\$150.00	\$95.00	\$210.00	\$100.00	\$95.00		
<b>VI.</b>	<b>PS&amp;E</b>												
<b>A</b>	<b>RIGHT OF WAY AND UTILITY COORDINATION</b>												
	Provide proposed ROW limits for acquisition		2	8	4							14	\$ 2,480.00
	Utilities (See III. Route Studies)											0	\$ -
												<b>14</b>	<b>\$ 2,480.00</b>
<b>B</b>	<b>ROADWAY DESIGN CONTROLS</b>												
	<b>Miscellaneous Plans</b>												
a	Title Sheet	1			1	2		4				8	\$ 1,075.00
b	Index of Sheets			1	2	8		12				23	\$ 2,615.00
c	Project Layout Sheets	1		1	8	16		24				50	\$ 5,950.00
d	Benchmark Layout Sheets			2	2	12		20				36	\$ 4,050.00
	<b>Roadway Plans &amp; Geometry</b>												
b	Existing Typical			2	4	12		12				30	\$ 3,590.00
c	Proposed Typical	1		2	8	40		30				81	\$ 9,695.00
d	Horizontal Data Sheets		2		4	12		6				24	\$ 3,150.00
e	Plan & Profile Sheets (1"=50ft)	8	10	50	100	400		120				688	\$ 89,910.00
	Cross Street P&P's	1	5	20	40	120	-	40				226	\$ 29,795.00
f	Supplemental Grading Sheets	1		20	30	80		40				171	\$ 22,095.00
g	Removal Sheets		4	12	40	120						176	\$ 24,060.00
	<b>Grading and Details</b>												
a	Cross Sections (50-ft sections)	4	8	40	100	200		48				400	\$ 54,660.00
b	Intersection Layouts (9 locations)			20	80	150		100				350	\$ 43,750.00
c & d	Driveway Details & Profiles (11 driveways)		1	10	24	80		30				145	\$ 18,440.00
e	Misc. Roadway details (up to 2)	1	2	10	24	80		40				157	\$ 19,925.00
												<b>2,565</b>	<b>\$ 332,760.00</b>
<b>C</b>	<b>DRAINAGE DESIGN</b>												
	Data Collection		2		4	10						16	\$ 2,330.00
	<b>Culverts</b>												
a	Hydrology and External Drainage Area Maps			10	30	80						120	\$ 16,250.00
b	Culvert Analysis HY-8 (5 culverts)		8		16	60						84	\$ 11,820.00
	Driveway Culvert Analysis HY-8 (15 culverts)			4	40	80						124	\$ 16,700.00
	Culvert Analysis HEC-RAS (3 culverts)		16	24	50	80						170	\$ 25,540.00
c	Scour Analyses		2		6	20						28	\$ 3,880.00
d	Hydraulic Data Sheets (3 culverts)		4	8	16	40	15					83	\$ 12,010.00
e	Hydraulic Report		4	6	12	24						46	\$ 6,810.00
f	Culvert Layout Sheets	2	8	24	100	200	40	100				474	\$ 62,210.00
	<b>Storm Sewer</b>												
a	Exterior Drainage Areas 1"=200'	1	3	6	20	60		10				100	\$ 13,515.00
b	Interior Drainage Areas 1"=50'	1	6		40	170		50				267	\$ 33,735.00
c	Run-off Calculations	1		6	40	80						127	\$ 17,345.00
d	Analyze Storm Sewer Systems	1	3	16	80	200						300	\$ 40,815.00
e	Drainage Plan & Profile 1"=50' H and 1"=4' V	1	10	60	200	450		40				761	\$ 103,245.00
f	Lateral Profiles 1"=50' H and 1"=4' V		12	12	40	120		30				214	\$ 28,830.00
g	Tabular Ditch Tables			2	8	50		10				70	\$ 8,750.00
h	Drainage Details for non-standard structures		6	12	34	68						120	\$ 17,140.00
i	Identify trench excavation protection locations			4	10	20		6				40	\$ 5,270.00

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**Fee Schedule/Budget**

**CP&Y**

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		\$295.00	\$240.00	\$175.00	\$150.00	\$125.00	\$150.00	\$95.00	\$210.00	\$100.00	\$95.00		
	<b>Water Quality &amp; Detention</b>												
a	<b>Water Quality</b>												
i	Obtain and review existing BMP data		2	16	4	6						28	\$ 4,630.00
ii	Calculate TSS requirements	2		4	20	50		4				80	\$ 10,920.00
iii	Preliminary Grading Layouts for 2 ponds	2		6	40	60		12				120	\$ 16,280.00
iii	Prepare WPAP documents for submittal	1	4	6	10	40						61	\$ 8,805.00
iv	Conduct pre-submittal meeting with TCEQ	2			4							6	\$ 1,190.00
b	<b>Storm Water Detention (3 ponds)</b>												
i	Calculate increase in peak discharges	2	2	16	20	60						100	\$ 14,370.00
ii	Calculate/determine splitter box dimensions (1 location)		2	4	8	40						54	\$ 7,380.00
iii	Calculate/determine outlet structure dimensions (3 loc's)		6	6	40	90	8					150	\$ 20,940.00
iv	Plan Development											0	\$ -
a	Pond Layout sheet 1"=40' H and 1"=10' V	1	3	12	40	84	10	30				180	\$ 23,965.00
b	Sand Filter details (1 location)				10	40		10				60	\$ 7,450.00
c	Structural details - splitter box (1 location)		1	2	8	24	10	10				55	\$ 7,240.00
d	Structural details - outlet structure (3 locations)		4	4	20	50	30	30				138	\$ 18,260.00
	<b>SW3P and Erosion Control</b>												
a	Develop final erosion control plans	1	6	30	80	200	16	50				383	\$ 51,135.00
b	Develop SW3P plan		2		6	32						40	\$ 5,380.00
												<b>4,599</b>	<b>\$ 624,140.00</b>
<b>D</b>	<b>SIGNING, MARKINGS, AND SIGNALIZATION</b>												
	<b>Signing and Pavement Markings</b>												
a	Signing & Pavement marking layouts 1"=100'		8	20	40	180	20	60				328	\$ 42,620.00
b	Pavement Marking Details		6	12		23						41	\$ 6,415.00
c	Detail sheets for small signs		6		12	28		6				52	\$ 7,310.00
2	Traffic Signal Warrant Study	2	8			36						46	\$ 7,010.00
3	Traffic Signalization	8	210	70		540						828	\$ 132,510.00
4	Temporary Traffic Signalization	4	30	30		140						204	\$ 31,130.00
												<b>1,499</b>	<b>\$ 226,995.00</b>
<b>E</b>	<b>MISCELLANEOUS ROADWAY</b>												
1	<b>Retaining Walls</b>												
a	Investigate wall locations and determine wall type		2	8		4						14	\$ 2,380.00
b	Retaining Wall Location Map			2		4		10				16	\$ 1,800.00
c	Retaining Wall Plan and Profile 1"=50' H 1"=10' V		4	10	40	160	20	60				294	\$ 37,410.00
2	<b>Traffic Control Plan (3 phases)</b>												
a	TCP Typical		3	3		80		60				146	\$ 16,945.00
b	TCP Advanced Warning Layouts 1"=400'			2	6	16		16				40	\$ 4,770.00
c	TCP Narrative for Sequence of Construction	2	4	16								22	\$ 4,350.00
d	TCP Plans Sheets 1"=50' (3 phases)	8	20	70	160	300	60	120				738	\$ 101,310.00
e	TCP Details - Non Standard			3		6						9	\$ 1,275.00
f	TCP Construction Schedule Developed		4	40	6							50	\$ 8,860.00
3	<b>Illumination</b>												
a	Continuous Lighting Layouts		10	20	40	120		60				250	\$ 32,600.00
b	Electrical Circuit Plans and Details			4	10	40		10				64	\$ 8,150.00
c	Utility Coordination, Power Source Coordination		8									8	\$ 1,920.00



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Fee Schedule/Budget

**CP&Y**

Project Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior CAD Technician	CAD/GIS Technician	Environmental Manager	Environmental Planner II	Admin	Total Labor Hours	Total Direct Labor Costs
		\$295.00	\$240.00	\$175.00	\$150.00	\$125.00	\$150.00	\$95.00	\$210.00	\$100.00	\$95.00		
6	<b>TxDOT Coordination</b>												
a	LOSA Agreement coordination	4			20	60						84	\$ 11,680.00
7	<b>Quantities</b>												
a	Traffic Control				6	10						16	\$ 2,150.00
b	Earthwork		2	6	6	34						48	\$ 6,680.00
c	Roadway		2	10	28	80						120	\$ 16,430.00
d	Retaining Walls			2	10	36						48	\$ 6,350.00
e	Removal				10	30						40	\$ 5,250.00
f	Drainage		4	6	10	80						100	\$ 13,510.00
g	Culverts			2	8	20						30	\$ 4,050.00
h	Signs			2	8	30						40	\$ 5,300.00
i	Pavement Markings		2	6	10	30						48	\$ 6,780.00
j	Signals			4	6	20						30	\$ 4,100.00
k	Illumination			4	12	34						50	\$ 6,750.00
l	Utilities			4	10	40						54	\$ 7,200.00
m	Erosion Control and SW3P			4	10	30						44	\$ 5,950.00
8	<b>Summary Sheets</b>												
a	Traffic Control		1	3		6						10	\$ 1,515.00
b	Earthwork					6						6	\$ 750.00
c	Roadway		1	3	3	6						13	\$ 1,965.00
d	Retaining Walls				3	6						9	\$ 1,200.00
e	Removal					6						6	\$ 750.00
f	Drainage		1	3	3	6						13	\$ 1,965.00
g	Culverts				3	6						9	\$ 1,200.00
h	Signs					6						6	\$ 750.00
i	Pavement Markings		1	3		6						10	\$ 1,515.00
j	Signals				3	6						9	\$ 1,200.00
k	Illumination		1	3	3	6						13	\$ 1,965.00
l	Utilities					6						6	\$ 750.00
m	Erosion Control and SW3P					6						6	\$ 750.00
9	<b>Standards, Specifications and Estimate</b>												
a	Download, Prepare and Modify Standards		2	6		30						38	\$ 5,280.00
b	Specifications	4	6	20		10						40	\$ 7,370.00
c	General Notes	4	6	20		10						40	\$ 7,370.00
d	Preliminary Cost Estimate and item price identification	2	8	10		20						40	\$ 6,760.00
10	<b>Prepare contract bid documents and proposals</b>	2	8	10	40	20						80	\$ 12,760.00
												<b>2,757</b>	<b>\$ 379,765.00</b>
<b>F</b>	<b>WATER/WASTEWATER UTILITIES</b>												
<b>1</b>	<b>Plan and Profile Sheets (60%, 90% 100%)</b>												
<b>a</b>	60% Submittal (26 sheets)		40	52	104	156		208				560	\$ 73,560.00
<b>b</b>	90% Submittal (26 Sheets)		40	52	78	104		156				430	\$ 58,220.00
<b>c</b>	100% Submittal (26 Sheets)		30	26	52	78		104				290	\$ 39,180.00
<b>2</b>	<b>Develop Quantities (60%, 90%, 100%)</b>		10	12	12	24						58	\$ 9,300.00
<b>3</b>	<b>Develop Quantity Summary Sheets</b>		5		2	4		12				23	\$ 3,140.00
<b>4</b>	<b>Standards, Specifications, and Estimate</b>		-										
<b>a</b>	Develop City Standard Details Sheets		5	2	4	8		16				35	\$ 4,670.00
<b>b1</b>	Develop Standard Specifications		8	4	8	12						32	\$ 5,320.00
<b>b2</b>	Develop Special Specifications and Special Provisions		8	8	12	24						52	\$ 8,120.00

**SE INNER LOOP  
City of Georgetown**

Fee Schedule/Budget

**CP&Y**

Project Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior CAD Technician	CAD/GIS Technician	Environmental Manager	Environmental Planner II	Admin	Total Labor Hours	Total Direct Labor Costs
		\$295.00	\$240.00	\$175.00	\$150.00	\$125.00	\$150.00	\$95.00	\$210.00	\$100.00	\$95.00		
<b>c</b>	General Notes Sheets		5	2	4	8		16				35	\$ 4,670.00
<b>d</b>	Develop OPCC (30%, 60%, 90%, 100%)		12	16	16	24						68	\$ 11,080.00
<b>5</b>	TCEQ SCS Submittal Package		8	4	8	16		24				60	\$ 8,100.00
<b>6</b>	Develop Bid Documents		8	16	16	24		40				104	\$ 13,920.00
												<b>1,747</b>	<b>\$ 239,280.00</b>
	<b>Sub Total</b>	76	697	1,133	2,369	6,781	229	1,896	0	0	0	<b>13,181</b>	<b>\$ 1,805,420.00</b>

**SE INNER LOOP**  
**City of Georgetown**

Fee Schedule/Budget

CP&Y

Project Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	CAD/GIS Technician	Admin	Total Labor Hours	Total Direct Labor Costs
		\$295.00	\$240.00	\$175.00	\$150.00	\$125.00	\$95.00	\$95.00		
<b>VII. BID AND CONSTRUCTION PHASE SERVICES</b>										
<b>A Bid Phase</b>										
1	Coordinate with City during Bid Package	4		12	10	14			40	\$ 6,530.00
1w/ww	Respond to Bidder Questions	4		6	5				15	\$ 2,980.00
2	Attend pre-bid meeting	3	3						6	\$ 1,605.00
3	Assist City at contract bid opening	2			1				3	\$ 740.00
4	Tabulate bids, research low bidder, make recommendation	1			6	1			8	\$ 1,320.00
									<b>72</b>	<b>\$ 13,175.00</b>
<b>B Construction Phase</b>										
1	Create and submit monthly invoices (18 months)	9						15	24	\$ 4,080.00
2	Prepare for and attend pre-construction meeting	4			2				6	\$ 1,480.00
3	Attend up to 12 construction meetings	12	48						60	\$ 15,060.00
4	Respond to RFI's, make updates as agreed	8	24	40	60	80			212	\$ 34,120.00
5	Review Contractor Pay Applications (18 months)		4			18			22	\$ 3,210.00
6	Conduct final site visit for substantial completion	8							8	\$ 2,360.00
7	Provide shop drawing review		2	8	40	80			130	\$ 17,880.00
8	Develop as-builts	2	4	4	20	50			80	\$ 11,500.00
									<b>542</b>	<b>\$ 89,690.00</b>
<b>B2 Construction Phase (WATER/WASTEWATER)</b>										
1	Attend up to 6 construction meetings		24	10		18			52	\$ 9,760.00
2	Respond to RFI's, make updates as agreed		6	10	8	16			40	\$ 6,390.00
3	Conduct final site visit for substantial completion		6		2	8			16	\$ 2,740.00
4	Provide shop drawing review		8		16	24			48	\$ 7,320.00
5	Develop as-builts		4		4	12	52		72	\$ 8,000.00
									<b>228</b>	<b>\$ 34,210.00</b>
	<b>Sub Total</b>	57	133	90	174	321	52	15	<b>842</b>	<b>\$ 137,075.00</b>

**SE Inner Loop  
FM 1460 to SH 29  
City of Georgetown**

Expense Item	Unit	Unit Cost	Amount	Total Cost
Traffic Counts	LS	\$ 7,350.00	1	\$ 7,350.00
CADD Plotting	sf	\$ 1.50		\$ -
Mylar Plots (22x34 As-Builts)	lf	\$ 6.00		\$ -
Digital Ortho Plotting	lf	\$ 2.00	300	\$ 600.00
11" X 17" Mylar	sheet	\$ 1.00		\$ -
8 1/2" X 11" B/W Paper Copies	sheet	\$ 0.10	500	\$ 50.00
11" X 17" B/W Paper Copies	sheet	\$ 0.20	2,500	\$ 500.00
8 1/2" X 11" Color Paper Copies	sheet	\$ 1.00	200	\$ 200.00
11" X 17" Color Paper Copies	sheet	\$ 1.80	100	\$ 180.00
Fax Copies	sheet	\$ 0.10		\$ -
Film and Development	roll	\$ 8.00		\$ -
4 X 6 Digital Color Prints	picture	\$ 0.50		\$ -
Oversized Digital Color Prints	picture	\$ 50.00		\$ -
Standard Postage	letter	\$ 0.44	125	\$ 55.00
Express Mail (Standard)	each	\$ 15.00		\$ -
Express Mail (Oversized)	each	\$ 30.00		\$ -
Deliveries	each	\$ 25.00	3	\$ 75.00
Airfare	each	\$ 200.00		\$ -
Facility Rental	day	\$ 1,000.00	1	\$ 1,000.00
Security	hour	\$ 50.00	8	\$ 400.00
Exhibit Boards	each	\$ 100.00	15	\$ 1,500.00
Newspaper Advertisement	each	\$ 750.00	1	\$ 750.00
Rental Car	day	\$ 80.00	2	\$ 160.00
Lodging	day	\$ 85.00	2	\$ 170.00
Meals	day	\$ 36.00	2	\$ 72.00
Mileage	mile	\$ 0.625	600	\$ 375.00
GPS Rental	day	\$ 80.000	2	\$ 160.00
HazMat Database Search	each	\$ 500.000	1	\$ 500.00
TCEQ WPAP Fee	each	\$ 6,500.000	1	\$ 6,500.00
				\$ -
Miscellaneous Project Related Expenses	NA	at cost	NA	\$ 112.50
<b>SUBTOTAL DIRECT EXPENSES</b>				<b>\$ 20,709.50</b>

**SE Inner Loop  
City of Georgetown**

Fee Schedule/Budget

Alliance Transportation Group

Project Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior Technician	CAD/GIS Technician	Senior Modeler	Modeler	Admin	Technical Advisor	Total Labor Hours	Total Direct Labor Costs
		\$271.00	\$239.00	\$183.00	\$160.00	\$125.00	\$134.00	\$117.00	\$231.00	\$165.00	\$129.00	\$279.00		
<b>III.</b>	<b>ROUTE DESIGN STUDIES</b>													
<b>B</b>	<b>ALIGNMENT STUDY</b>													
	Traffic and Operational Analysis													
	i. Vissim Analysis (2 options)		4	16	2	80	8		2				112	\$ 15,738.00
	ii. Synchro Signal Optimization (2 options)		2	8		16							26	\$ 3,942.00
	iii. Traffic Operations Report		4	10		40		8	2				64	\$ 9,184.00
	Project Management													
	i. Monthly Invoices and Progress Reports	2	4								8		14	\$ 2,530.00
	ii. Prepare for and attend up to 3 coordination meetings		12										12	\$ 2,868.00
													<b>228</b>	<b>\$ 34,262.00</b>
<b>D</b>	<b>TRAFFIC DATA COLLECTION</b>													
													<b>0</b>	<b>\$ -</b>
	<b>Sub Total</b>	<b>2</b>	<b>26</b>	<b>34</b>	<b>2</b>	<b>136</b>	<b>8</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>8</b>		<b>228</b>	<b>\$ 34,262.00</b>

**SE Inner Loop  
FM 1460 to SH 29  
City of Georgetown**

**Alliance Transportation Group**

Expense Item	Unit	Unit Cost	Amount	Total Cost
Traffic Counts	LS	\$ 7,350.00		\$ -
CADD Plotting	sf	\$ 1.50		\$ -
Mylar Plots (22x34 As-Builts)	lf	\$ 6.00		\$ -
Digital Ortho Plotting	lf	\$ 2.00		\$ -
11" X 17" Mylar	sheet	\$ 1.00		\$ -
8 1/2" X 11" B/W Paper Copies	sheet	\$ 0.10	100	\$ 10.00
11" X 17" B/W Paper Copies	sheet	\$ 0.20	25	\$ 5.00
8 1/2" X 11" Color Paper Copies	sheet	\$ 1.00	100	\$ 100.00
11" X 17" Color Paper Copies	sheet	\$ 1.80	25	\$ 45.00
Fax Copies	sheet	\$ 0.10		\$ -
Film and Development	roll	\$ 8.00		\$ -
4 X 6 Digital Color Prints	picture	\$ 0.50		\$ -
Oversized Digital Color Prints	picture	\$ 50.00		\$ -
Standard Postage	letter	\$ 0.44		\$ -
Express Mail (Standard)	each	\$ 15.00		\$ -
Express Mail (Oversized)	each	\$ 30.00		\$ -
Deliveries	each	\$ 25.00		\$ -
Airfare	each	\$ 200.00		\$ -
Facility Rental	day	\$ 1,000.00		\$ -
Security	hour	\$ 50.00		\$ -
Exhibit Boards	each	\$ 100.00		\$ -
Newspaper Advertisement	each	\$ 750.00		\$ -
Rental Car	day	\$ 80.00		\$ -
Lodging	day	\$ 85.00		\$ -
Meals	day	\$ 36.00		\$ -
Mileage	mile	\$ 0.625		\$ -
GPS Rental	day	\$ 80.000		\$ -
HazMat Database Search	each	\$ 500.000		\$ -
TCEQ WPAP Fee	each	\$ 6,500.000		\$ -
				\$ -
Miscellaneous Project Related Expenses	NA	at cost		
				\$ -
<b>SUBTOTAL DIRECT EXPENSES</b>				<b>\$ 160.00</b>

**SE Inner Loop  
City of Georgetown**

Fee Schedule/Budget

Covey

Project Phase	Task Description				Total Direct Labor Costs
<b>III.</b>	<b>ROUTE DESIGN STUDIES</b>				
	<b>B Landscape Architecture</b>				
	Concept Phase				\$ 28,000.00
	Implementation / Construction Documents/ Bidding / Construction Phase Services				\$ 38,000.00
	<b>Sub Total</b>				<b>\$ 66,000.00</b>