

EXHIBIT "C" - FEE SCHEDULE
Brown & Gay Engineers, Inc.
Collin County Outer Loop Segment 3 Schematic Design: FM 2478 to US 75

Collin County Outer Loop Segment 3 Schematic Design FM 2478 to US 75	
Total Brown & Gay Engineers, Inc. Fee	\$1,359,016.48
Total ARS Engineers, Inc. Fee	\$72,718.80
Total Gorrondona & Associates, Inc. Fee	\$124,199.92
Total Brown & Gay Engineers, Inc. TeamFee	\$1,555,935.20

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Collin County Outer Loop Segment 3: FM 2478 to US 75

Collin County Outer Loop FM 2478 to US 75	Principal / Project Manager	Task Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior Civil Designer	Senior Env. Scientist	Clerical	Totals
Rate	\$275.00	\$220.00	\$195.00	\$135.00	\$115.00	\$105.00	\$145.00	\$170.00	\$85.00	
BASIC SERVICES										
TASK BS1 - ASSEMBLY AND REVIEW OF DATA										
A. COLLECTION OF DATA, REPORTS, AND MAPS										
Data Collection (includes coordination with other Firms)	8	8	8	8	16	32		4	4	88
B. FIELD RECONNAISSANCE										
Field Reconnaissance (initial site visit)	8	8	8	8				8		40
C. REVIEW OF DATA										
Review of Data / Base Files Creation / Project Setup	8	6	16	16	40	40	40	4	4	174
TASK BS1 TOTALS (HOURS)	24	22	32	32	56	72	40	16	8	302
TASK BS1 TOTALS (COST)	\$6,600.00	\$4,840.00	\$6,240.00	\$4,320.00	\$6,440.00	\$7,560.00	\$5,800.00	\$2,720.00	\$680.00	\$45,200.00
TASK BS2 - CORRIDOR SECTION EVALUATION										
A. CORRIDOR SECTION EVALUATION										
Development of Alternate Sections	1	4		4		16	16			41
Technical Memo	1	4		4		8				17
Development of final DSR	1	2		2		8				13
TASK BS2 TOTALS (HOURS)	3	10	0	10	0	32	16	0	0	71
TASK BS2 TOTALS (COST)	\$825.00	\$2,200.00	\$0.00	\$1,350.00	\$0.00	\$3,360.00	\$2,320.00	\$0.00	\$0.00	\$10,055.00
TASK BS3 - DIAGRAMMATIC CORRIDOR REFINEMENT										
A. FM 2478 TO US 75										
Determination of Alternate Corridor (Alts. Analysis)	4	24	40	60		120	80	4		332
High Level Environmental Constraints Determination		2		8		16	8	16		50
Identification of Impacts	2	8		16		24		8		58
Alternate Corridor Matrix Evaluation	2	12		24	8	8			2	56
B. INTERCHANGE EVALUATION										
CR 126		2		2		8				12
FM 543		2		16		8				26
CR 204		2		2		8				12
CR 206		2		2		8				12
CR 281		2		2		8				12
CR 286		2		2		8				12
C. OUTER LOOP CORRIDOR ALTERNATIVES EXHIBIT										
Exhibit Preparation including Ramping Config	2	24	4	60		80	40			210
Technical Report	2	16	24						16	58
D. FINAL OUTER LOOP CORRIDOR EXHIBIT										
Final Exhibit Preparation	2	24	4	80		60	32			202
E. PUBLIC MEETINGS										
(See section BS7)										
Engineer's responses to public/stakeholder comments	4	8	8			16	16	8	4	64
(all meetings)										
F. CORRIDOR PRESENTATIONS										
Prepare Presentations (2)	4	12		12					12	40
Conduct Presentations (2)	12	12								24

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TASK BS3 TOTALS (HOURS)	34	154	80	286	8	372	176	36	34	1,180
TASK BS3 TOTALS (COST)	\$9,350.00	\$33,880.00	\$15,600.00	\$38,610.00	\$920.00	\$39,060.00	\$25,520.00	\$6,120.00	\$2,890.00	\$171,950.00
TASK BS4 - SCHEMATIC DEVELOPMENT										
A. GENERAL										
Typical Sections	1	16		20		32	24			93
Schematic Exhibit Development	4	40	40			80				164
3D Corridor Model Development (Geopak)		16		40		60	60			176
Evaluate Utility Conflicts		4	20		20	20				64
ROW Development	2	8		24		24				58
B. MAINLANES										
Horizontal Alignments	2	8		16		40	24			90
Superelevation & Transitions		2	8			24	16			50
Vertical Alignments	2	4		32		40	32			110
Plan Development		8		32		40	24		1	105
Pavement Markings		2			40	16				58
C. MAINLANE RAMPS										
Horizontal Alignments	2	12		32		40	24			110
Superelevation & Transitions			24			32	8			64
Vertical Alignments		12		50		60	40			162
Plan Development		8	32			40	24		1	105
Pavement Markings		2			20					22
D. FRONTAGE ROADS										
Horizontal Alignments	2	8		40		40	24			114
Superelevation & Transitions		2	24			32	8			66
Vertical Alignments	2	4		40		60	24			130
Evaluate Control of Access	1	4	40		16	40				101
Plan Development		8		40		40	32		1	121
Pavement Markings		2			30					32
E. INTERSECTIONS, INTERCHANGES & GRADE SEPARATIONS										
Coordination of the FM 2478 Design (by Others)		24		40						64
CR 126	1	12		24		40	8			85
Honey Creek (waterway bridge)	1	20		40		100	24			185
FM 543 (grade separation)	4	20		40		120	48			232
CR 204	1	12		24		40	8			85
CR 206	1	12		24		40	8			85
CR 281	1	12		24		40	8			85
East Fork Trinity River (waterway bridge)	1	20		40		100	8			169
CR 286	1	12		24		40	8			85
F. PROJECT DELIVERY										
Prepare and Submit 30% including QA/QC	6	16	20	16	8	60	40		8	174
Prepare and Submit 60% including QA/QC	6	16	20	16	8	60	40		8	174
Prepare and Submit 90% including QA/QC	6	16	20	16	8	60	40		8	174
Prepare and Submit 100% including QA/QC	6	16	20	16	8	60	40		8	174
G. PROJECT UPDATE PRESENTATIONS										
Prepare Presentations	12	16		32		32	8		6	106
Conduct Presentations	12	16								28

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<i>Collin County Outer Loop FM 2478 to US 75</i>	Principal / Project Manager	Task Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior Civil Designer	Senior Env. Scientist	Clerical	Totals
TASK BS4 TOTALS (HOURS)	77	410	268	742	158	1,552	652	0	41	3,900
TASK BS4 TOTALS (COST)	\$21,175.00	\$90,200.00	\$52,260.00	\$100,170.00	\$18,170.00	\$162,960.00	\$94,540.00	\$0.00	\$3,485.00	\$542,960.00
TASK BS5 - HYDROLOGIC AND HYDRAULIC INVESTIGATION										
A. MINOR DRAINAGE										
DA Mapping, Discharges and Prelim Structure Sizing	REFER TO ARS ENGINEERS, INC. FEE									
Coordinate and Incorporate Culvert Layouts into Schematic		8			24		8			40
Coordinate and Review Drainage Impact Study (by ARS)		8	24		40		8			80
B. MAJOR DRAINAGE										
Develop HEC-RAS Models for Drainage Impact Study		16	80		120	160	48		40	464
TASK BS5 TOTALS (HOURS)	0	32	104	0	184	160	64	0	40	584
TASK BS5 TOTALS (COST)	\$0.00	\$7,040.00	\$20,280.00	\$0.00	\$21,160.00	\$16,800.00	\$9,280.00	\$0.00	\$3,400.00	\$77,960.00
TASK BS6 - ENVIRONMENTAL STUDIES										
A. ENVIRONMENTAL STUDIES										
Field Verification; translation/development of Shape Files	1	40				60		60		161
Coordination Meetings	4	8				16		16	4	48
TASK BS6 TOTALS (HOURS)	5	48	0	0	0	76	0	76	4	209
TASK BS6 TOTALS (COST)	\$1,375.00	\$10,560.00	\$0.00	\$0.00	\$0.00	\$7,980.00	\$0.00	\$12,920.00	\$340.00	\$33,175.00
TASK BS7 - PUBLIC INVOLVEMENT										
A. PUBLIC INVOLVEMENT										
PUBLIC MEETING (includes client coordination)										
Coordinate, Select and Secure Meeting Location	1	2			4	8			2	17
Prepare Public/Stakeholder Mailing List	1	2				16			2	21
Prepare Public Notices	1	2		4		4			1	12
Prepare Public Meeting Materials (All)	2	4	8		16	32	8		8	78
Setup, Attend, and Breakdown Public Meeting	8	8	8			8		4	4	40
Prepare Public Meeting Summary Report	1	4		4		16			8	33
PUBLIC HEARING (includes client coordination)										
Coordinate, Select and Secure Hearing Location	1	2			4	8			2	17
Update Public/Stakeholder Mailing List	1	1				8			2	12
Prepare Public Hearing Notices	1	2		4		4			1	12
Prepare Public Hearing Materials (All)	2	4	8		16	32	8		8	78
Setup, Attend, and Breakdown Public Hearing	8	8	8			8		4	4	40
Prepare Public Hearing Summary Report	1	4		4		16			8	33
TASK BS7 TOTALS (HOURS)	28	43	32	16	40	160	16	8	50	393
TASK BS7 TOTALS (COST)	\$7,700.00	\$9,460.00	\$6,240.00	\$2,160.00	\$4,600.00	\$16,800.00	\$2,320.00	\$1,360.00	\$4,250.00	\$54,890.00
TASK BS8 - PROJECT MANAGEMENT										
A. SCHEDULE, PROGRESS REPORTS, AND INVOICES										
Schedule and Updates	4	12								16

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Progress Reports	8	8							8	24
Preparing Invoices	4	4							16	24
B. PROGRESS MEETINGS										
Prepare for and Attend Coordination Meetings (6)	18	36				12	6		24	96
Prepare and Distribute Meeting Minutes	3	6							3	12
C. STAKEHOLDER COORDINATION MEETINGS										
Coordination Meetings (18); Prep. & Documentation	80	144				40	16		40	320
TASK BS8 TOTALS (HOURS)	117	210	0	0	0	52	22	0	91	492
TASK BS8 TOTALS (COST)	\$32,175.00	\$46,200.00	\$0.00	\$0.00	\$0.00	\$5,460.00	\$3,190.00	\$0.00	\$7,735.00	\$94,760.00
TOTAL BGE HOURS (BASIC SERVICES)	288	929	516	1,086	446	2,476	986	136	268	7,131
TOTAL BGE LABOR COST (BASIC SERVICES)	\$79,200.00	\$204,380.00	\$100,620.00	\$146,610.00	\$51,290.00	\$259,980.00	\$142,970.00	\$23,120.00	\$22,780.00	\$1,030,950.00
SPECIAL SERVICES										
TASK SS1 - SURVEY AND RIGHT-OF-WAY										
A. SURVEY										
Aerial Mapping	REFER TO GORRONDONA AERIAL MAPPING FEE									
Survey Voided Areas, Cross Roads, and Streams	REFER TO BGE SURVEY FEE									
Append Existing TIN file with Void Survey Data	1	12		16			40			69
B. RIGHT-OF-WAY										
Right-of-Way Mapping	REFER TO BGE ROW FEE									
TASK SS1 TOTALS (HOURS)	1	12	0	16	0	0	40	0	0	69
TASK SS1 TOTALS (COST)	\$275.00	\$2,640.00	\$0.00	\$2,160.00	\$0.00	\$0.00	\$5,800.00	\$0.00	\$0.00	\$10,875.00
TASK SS2 - UTILITY INVESTIGATION										
A. UTILITY INVESTIGATION										
SUE Investigation (Level C & D)	4	80				80	120			284
TASK SS2 TOTALS (HOURS)	4	80	0	0	0	80	120	0	0	284
TASK SS2 TOTALS (COST)	\$1,100.00	\$17,600.00	\$0.00	\$0.00	\$0.00	\$8,400.00	\$17,400.00	\$0.00	\$0.00	\$44,500.00

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TOTAL BGE HOURS (SPECIAL SERVICES)	5	92	0	16	0	80	160	0	0	353
TOTAL BGE LABOR COST (SPECIAL SERVICES)	\$1,375.00	\$20,240.00	\$0.00	\$2,160.00	\$0.00	\$8,400.00	\$23,200.00	\$0.00	\$0.00	\$55,375.00
Reimbursable Direct Expenses										
							Unit	Quantity	Rate	Total
8.5" x 11" Copies (b&w)							EA	2,000	\$0.10	\$200
8.5" x 11" Copies (color)							EA	1,500	\$0.75	\$1,125
11" x 17" Copies (b&w)							EA	3,000	\$0.20	\$600
11"x17" Copies (color)							EA	1,500	\$1.25	\$1,875
Report Binding							EA	10	\$20.00	\$200
Mileage							MILE	6,000	\$0.54	\$3,240
FEMA Data							LS	2	\$350.00	\$700
CD/DVD							EA	4	\$5.00	\$20
Bond Plots (Color)							SF	1,500	\$2.75	\$4,125
Exhibit Mounting (Directional Signs, etc)							EA	15	\$120.00	\$1,800
Meeting Location Rental							EA	2	\$500.00	\$1,000
Advertisements (Local Papers, Etc.)							EA	6	\$500.00	\$3,000
Miscellaneous Supplies (w/approval from County PM)							EA	5	\$100.00	\$500
Overnight letter							EA	10	\$25.00	\$250
Postage (Express Mail)							EA	3,000	\$2.00	\$6,000
Total Reimbursable Direct Expenses										\$24,635.00
Total Brown & Gay Engineers, Inc. Fee										\$1,110,960.00

EXHIBIT "C" - FEE SCHEDULE
ARS Engineers, Inc.
Collin County Outer Loop Segment 3: FM 2478 to US 75

Collin County Outer Loop FM 2478 to US 75	Project Manager	Project Engineer	Design Engineer	EIT	CADD Tech	Clerical	Totals
Rate	\$235.00	\$135.00	\$115.00	\$105.00	\$90.00	\$72.00	
BASIC SERVICES							
TASK BS5 - HYDROLOGIC AND HYDRAULIC INVESTIGATION							
A. MINOR DRAINAGE							
Drainage Area Mapping	12	32	12	20	40	2	118
Calculate Discharges	8	22	8	20	28	2	88
Size Cross Drainage Structures	14	24	20	10	76	2	146
Prepare Overall Drainage Report	4	46	4	50	4	8	116
TASK BS5 TOTALS (HOURS)	38	124	44	100	148	14	468
TASK BS5 TOTALS (COST)	\$8,930.00	\$16,740.00	\$5,060.00	\$10,500.00	\$13,320.00	\$1,008.00	\$55,558.00
TASK BS8 - PROJECT MANAGEMENT							
A. SCHEDULE, PROGRESS REPORTS, AND INVOICES							
Progress Reports	10	6	4	4		2	26
Preparing Invoices	10	6				8	24
B. PROGRESS MEETINGS							
Coordination Meetings (4)	16	16	12			4	48
TASK BS8 TOTALS (HOURS)	36	28	16	4	0	14	98
TASK BS8 TOTALS (COST)	\$8,460.00	\$3,780.00	\$1,840.00	\$420.00	\$0.00	\$1,008.00	\$15,508.00
TOTAL ARS HOURS (BASIC SERVICES)	74	152	60	104	148	28	566
TOTAL ARS LABOR COST (BASIC SERVICES)	\$17,390.00	\$20,520.00	\$6,900.00	\$10,920.00	\$13,320.00	\$2,016.00	\$71,066.00
Reimbursable Direct Expenses							
8.5" x 11" Copies				EA	800	\$0.10	\$80
11" x 17" Copies				EA	800	\$0.15	\$120
Roll Plots 36" x 48"				SQ FT	108	\$1.60	\$173
Report Binding				EA	12	\$20.00	\$240
Mileage				MILE	550	\$0.54	\$297
FEMA Data				LS	2	\$350.00	\$700
CD/DVD				EA	5	\$5.00	\$25
Postage (Express Mail)				EA	6	\$3.00	\$18
Total Reimbursable Direct Expenses							\$1,652.80
Total ARS Engineers, Inc. Fee							\$72,718.80

**EXHIBIT "C" - FEE SCHEDULE
GORRONDONA & ASSOCIATES, INC.
Collin County Outer Loop Segment 3: FM 2478 to US 75**

<i>Collin County Outer Loop FM 2478 to US 75</i>	PROJECT MANAGER	STAFF SURVEYOR	PROJECT COORD. AM	SR. TECHNICIAN	SURV. TECHNICIAN	SURVEY 2 MAN FIELD CREW	PHOTOGRAM.	AERIAL TRIANG SPEC	DIGITAL ORTHO SPEC	COMP. SPEC	PILOT	PHOTOGR.	ADMIN/ CLERICAL	TOTAL LABOR HRS. & COSTS
TASK SS1 - SURVEY AND ROW														
Project Control	1	2		6	8	40								57
Set Horizontal and Vertical Control Monuments	1	2		6	8	40								57
Ground Survey/Preparation for Aerial Mapping	3	10		30	124	312								479
Obtain names and addresses of property owners along the corridor that will require right-of-entry. Prepare and mail ROE letters.	1	4			80									85
Set approximately 15 centerline and 45 wing panels Centerline and Wing panel points on approximate 1500 – 1800 foot intervals.	2	6		30	40	300								378
Remove panel points on private property once the project has been flown and the film received and verified.					4	12								16
Aerial Photography and Mapping			36				12	22	38	420	6	6	18	558
Fly project and process film. Scan negatives at 14 microns for use on softcopy digital photogrammetric workstations.			12				4				6	6	6	34
Prepare mapping to include all visible planimetrics for 1" = 50' scale mapping. Digital terrain model (DTM) breakline and mass point data will be collected suitable for producing 1' contours. TxDOT's Legend for Symbology will be used. In areas where the ground is not visible due to tree canopy or dense vegetation ground cover, the area will be outlined and defined as obscured. All electronic files shall be fully compatible with the State's MicroStation GeoPak system without further modification or conversion. The ENGINEER will utilize TxDOT MicroStation V8 seed files for all mapping.			12				4			420			6	442
Produce digital color orthophoto images in US feet at ¼-foot pixel resolution in HMR, TIFF, and MR. Sid format with associated world file formats.			12				4	22	38				6	82
HOURS SUB-TOTALS	4	12	36	36	132	352	12	22	38	420	6	6	18	1094
CONTRACT RATE PER HOUR	\$ 145.00	\$ 120.00	\$ 123.97	\$ 96.00	\$ 86.00	\$ 150.00	\$ 104.00	\$ 97.00	\$ 94.00	\$ 83.00	\$ 92.00	\$ 84.00	\$ 51.00	
TOTAL LABOR COSTS	\$580.00	\$1,440.00	\$4,462.92	\$3,456.00	\$11,352.00	\$52,800.00	\$1,248.00	\$2,134.00	\$3,572.00	\$34,860.00	\$552.00	\$504.00	\$918.00	\$117,878.92
SUBTOTAL (Aerial Mapping)	\$580.00	\$1,440.00	\$4,462.92	\$3,456.00	\$11,352.00	\$52,800.00	\$1,248.00	\$2,134.00	\$3,572.00	\$34,860.00	\$552.00	\$504.00	\$918.00	\$117,878.92

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<i>Collin County Outer Loop FM 2478 to US 75</i>	RPLS	SURVEY TECH	ABSTR.	RECORD RESEARCH	SURVEY CREW	ADMIN/ CLERICAL	TOTAL LABOR HRS. & COSTS
TASK SS1 - SUPPLEMENTAL TOPOGRAPHIC SURVEYING							
Field Surveying	12	160			80		252
Provide supplemental topo in aerial mapping void areas, surface utilities, and cross sections for all cross drainage structures and at Honey Creek and E. Fork Trinity River.	8	80			80		168
Update planimetric and TIN file developed by Gorrondona	4	80					84
HOURS SUB-TOTALS	12	160			80		252
CONTRACT RATE PER HOUR	\$ 111.13	\$ 90.72	\$ 72.58	\$ 72.58	\$ 160.00	\$ 72.58	
TOTAL LABOR COSTS	\$1,333.56	\$14,515.20	\$0.00	\$0.00	\$12,800.00	\$0.00	\$28,648.76
SUBTOTAL (SUPPLEMENTAL TOPOGRAPHIC SURVEYING)	\$1,333.56	\$14,515.20	\$0.00	\$0.00	\$12,800.00	\$0.00	\$28,648.76
TASK SS1 - ROW MAPPING							
Develop Right of Way Maps, Deed Descriptions and Plats	352	656		184	340	224	1756
Prepare overall Parcel Exhibit Strip Map	40	96					136
Research and locate existing property corners	40	96		120	160		416
Prepare up to 65 Parcel Exhibits	120	160		64		120	464
Prepare up to 65 Metes and Bounds descriptions	48	160				64	272
Place new pins at new property corners	64	80			180		324
Coordinate with outside Abstractor to abstract up to 65 parcels	40	64				40	144
HOURS SUB-TOTALS	352	656	0	184	340	224	1756
CONTRACT RATE PER HOUR	\$ 111.13	\$ 90.72	\$ 72.58	\$ 72.58	\$ 160.00	\$ 72.58	
TOTAL LABOR COSTS	\$39,117.76	\$59,512.32	\$0.00	\$13,354.72	\$54,400.00	\$16,257.92	\$182,642.72
SUBTOTAL (ROW MAPPING)	\$39,117.76	\$59,512.32	\$0.00	\$13,354.72	\$54,400.00	\$16,257.92	\$182,642.72

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Direct Costs							
Task Description	Per Item Rate	Number of Items	Unit				
ATV or Utility Vehicle (day)	\$75.00	5	DAY				\$ 375.00
Deed Copies (sheet)	\$5.00		SHEET				\$ -
GPS Unit (hours)	\$25.00		HOURS				\$ -
Map Records (sheet)	\$5.00		SHEET				\$ -
Mileage (miles)	\$0.54	1000	MILES				\$ 540.00
Photocopies B/W (8.5x11) (each)	\$0.10	1000	EACH				\$ 100.00
Plots (B/W on Bond) (square foot)	\$1.50		SQUARE FOOT				\$ -
Toll Charges (each)	\$10.00		EACH				\$ -
Abstractor Fee	\$510.00	65	EACH				\$ 33,150.00
Type II ROW & Control Monuments (each)	\$20.00	130	EACH				\$ 2,600.00
							\$ -
							\$ -
Direct Cost Totals							\$ 36,765.00
Project Totals							\$248,056.48