

DANNENBAUM ENGINEERING CORPORATION
Collin County Bridges

Exhibit D
County Road 618
(Existing Concrete Box Culverts)
Cedar Creek

TASK DESCRIPTION	Project Manager	Sr. Engineer	Project Engineer/RPLS	Struc/Drain Engineer	Jr. Engineer (EIT)	Sr. Engineer Tech	CADD Operator / Tech	Planner	Clerical	Total Labor Hrs. & Costs	No. of Dwgs.	Labor Hrs. per Sheet
ROADWAY DESIGN (160)												
PROJECT MANAGEMENT	2								1	3		
UPDATE ROADWAY PLAN AND PROFILE			2							2	1	2
UPDATE EXISTING PLAN SET FOR RE-LETTING			2							2	5	0.4
ROADWAY QUANTITIES CALCULATIONS			1							1		
PREPARE ESTIMATE			1							1		
GENERAL NOTES			1							1	1	1
QA/QC	1									1	1	1
DELIVER CADD FILES							1			1		
HOURS SUB-TOTALS	3	0	7	0	0	0	1	0	1	12	8	
LABOR RATE PER HOUR	\$206.08	\$173.88	\$141.68	\$144.90	\$86.94	\$90.16	\$77.28	\$119.14	\$57.96			
DIRECT LABOR COSTS	618.24	0.00	991.76	0.00	0.00	0.00	77.28	0.00	57.96	1,745.24		
TOTAL (160)										\$1,745.24		
DRAINAGE (161)												
ANALYZE HYDRAULICS FOR CULVERTS (GROUTING PART OF CULV 1)				4			2			6		
PREPARE BRIEF REPORT WITH FINDINGS				1						1		
UPDATE CULVERT SHEETS				2			2			4	2	2
										0		
HOURS SUB-TOTALS	0	0	0	7	0	0	4	0	0	11	2	
LABOR RATE PER HOUR	\$206.08	\$173.88	\$141.68	\$144.90	\$86.94	\$90.16	\$77.28	\$119.14	\$57.96			
DIRECT LABOR COSTS	0.00	0.00	0.00	1,014.30	0.00	0.00	309.12	0.00	0.00	1,323.42		
TOTAL (161)										\$1,323.42		
BID PHASE (200)												
COORDINATE AND DISTRIBUTE PLANS	1	1							6	8		
PRE-BID CONFERENCE	2	2					1		2	7		
BIDDING ASSISTANCE	0	0	0				0		0	0		
BID OPENING	0	0								0		
RECOMMENDATION OF AWARD	0									0		
SITE VISIT	2	10			12					24		
SHOP DRAWING REVIEW		8								8		
PREPARE AS-BUILT PLANS		0			2		2			4		
REQUEST FOR INFORMATION	0	0			2		2			4		
										0		
TOTAL (200)												
HOURS SUB-TOTALS	5	21	0	0	16	0	5	0	8	55	0	
LABOR RATE PER HOUR	\$206.08	\$173.88	\$141.68	\$144.90	\$86.94	\$90.16	\$77.28	\$119.14	\$57.96			
DIRECT LABOR COSTS	1,030.40	3,651.48	0.00	0.00	1,391.04	0.00	386.40	0.00	463.68	6,923.00		
ENGINEER TOTAL LABOR HOURS	8	21	7	7	16	0	10	0	9	78		
ENGINEER TOTAL LABOR COSTS	\$1,648.64	\$3,651.48	\$991.76	\$1,014.30	\$1,391.04	\$0.00	\$772.80	\$0.00	\$521.64	\$9,991.66		
DIRECT EXPENSES												
MILEAGE			Quantity	Unit	Cost	Total						
			600	Miles	\$0.585	\$351.00						
PRINTING AND REPRODUCTION												
MYLAR PLOTS (11" X 17")			0	Each	\$5.00	\$0.00						
CADD PLOTS			0	Sq Ft	\$1.25	\$0.00						
DIGITAL ORTHO PLOTTING				Sq Ft	\$2.50	\$0.00						
COPIES (8 1/2" X 11")			300	Each	\$0.15	\$45.00						
COPIES (11" X 17")			500	Each	\$0.20	\$100.00						
MISCELLANEOUS EXPENSES												
PRELIMINARY SUBMITTAL			100	Sheet	\$0.20	\$20.00						
100% SUBMITTAL			100	Sheet	\$0.20	\$20.00						
OVERNIGHT DELIVERY SERVICES			5	Package(s)	\$20.00	\$100.00						
TOTAL DIRECT EXPENSES						\$636.00						
County Road 618	(TOTAL LABOR, CADD & DIRECT EXPENSE)										\$10,627.66	

LABOR CHECK		
Total Labor		\$9,991.66
Direct Costs		\$636.00
Total		\$10,627.66