

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									2		
TITLE SHEET / INDEX OF SHEETS							2			2	1	2
TYPICAL SECTIONS							2			2	1	2
PLAN & PROFILE SHEETS		1	4		8		8			21	1	21
X-SECTIONS		1	2		4		8			15	5	3
PRELIMINARY QA/QC	2	4								6		
PRELIMINARY REVIEW MEETING		0								0		
ADDRESS PRELIMINARY COMMENTS		2	2		6		4			14		
ROADWAY QUANTITIES CALCULATIONS		0	0		0					0		
PREPARE ESTIMATE		2	2							4		
HORIZONTAL ALIGNMENT DATA SHEET										0	1	0
MISCELLANEOUS ROADWAY DETAILS										0	1	0
CONSTRUCTION TIME ESTIMATE										0	1	0
ROADWAY QUANTITIES SUMMARY		1			2		2			5	1	5
GENERAL NOTES		1							1	2	1	2
STANDARD SHEETS		1					1			2		
GRADING PLAN										0		
RIGHT OF WAY EXHIBITS		1			1		2			4	1	4
DELIVER CADD FILES							2			2		
HOURS SUB-TOTALS	4	14	10	0	21	0	31	0	1	81	14	
LABOR RATE PER HOUR	\$209.30	\$177.10	\$144.90	\$144.90	\$93.38	\$103.04	\$83.72	\$119.14	\$57.96			
DIRECT LABOR COSTS	837.20	2,479.40	1,449.00	0.00	1,960.98	0.00	2,595.32	0.00	57.96	9,379.86		
TOTAL (160)										\$9,379.86		

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DRAINAGE (161)												
MISCELLANEOUS DRAINAGE DESIGN			0	0	0					0		
DEFINE DRAINAGE AREA MAP				1	1					2		
DATA COLLECTION				1	1					2		
DEVELOP HEC-RAS MODEL OF REVISED EXISTING CONDIITONS				2	6					8		
MODIFY HEC-RAS MODEL-PROPOSED CONDITIONS				2	4					6		
SCOUR ANALYSIS				2	4					6		
PREPARE BRIEF REPORT WITH FINDINGS				1						1		
INTERNAL QA/QC		2								2		
										0		
										0		
HOURS SUB-TOTALS	0	2	0	9	16	0	0	0	0	27	0	
LABOR RATE PER HOUR	\$209.30	\$177.10	\$144.90	\$144.90	\$93.38	\$103.04	\$83.72	\$119.14	\$57.96			
DIRECT LABOR COSTS	0.00	354.20	0.00	1,304.10	1,494.08	0.00	0.00	0.00	0.00	3,152.38		
TOTAL (161)										\$3,152.38		
MISCELLANEOUS ROADWAY (163)												
DETOUR LAYOUT		1					4			5	1	5
SW3P LAYOUTS		1					4			5	1	5
SIGN DETAIL		1					2			3	1	3
HOURS SUB-TOTALS	0	3	0	0	0	0	10	0	0	13	3	
LABOR RATE PER HOUR	\$209.30	\$177.10	\$144.90	\$144.90	\$93.38	\$103.04	\$83.72	\$119.14	\$57.96			
DIRECT LABOR COSTS	0.00	531.30	0.00	0.00	0.00	0.00	837.20	0.00	0.00	\$1,368.50		
TOTAL (163)										\$1,368.50		
BRIDGE (170)												
BRIDGE LAYOUT (TXDOT STANDARD WIDTH SLAB BEAM BRIDGE)	1	8		8		28				45		
BORING LOGS		3		1	2	4	2			12		
ESTIMATED QUANTITIES		4		2	10	8	10			34		
ABUTMENT DETAILS				6	10	28				44		
STANDARDS DRAWINGS	1	1			4		2			8		
RETAINING WALL COORDINATION					0					0		
PRELIMINARY SUBMITTAL REVIEW		4							1	5		
FINAL SUBMITTAL REVIEW		4							1	5		
HOURS SUB-TOTALS	2	24	0	17	26	68	14	0	2	153	0	
LABOR RATE PER HOUR	\$209.30	\$177.10	\$144.90	\$144.90	\$93.38	\$103.04	\$83.72	\$119.14	\$57.96			
DIRECT LABOR COSTS	418.60	4,250.40	0.00	2,463.30	2,427.88	7,006.72	1,172.08	0.00	115.92	17,854.90		
TOTAL (170)										\$17,854.90		

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BID / CONSTRUCTION PHASE (200)													
COORDINATE AND DISTRIBUTE PLANS	1	1							2	4			
PRE-BID CONFERENCE		3							1	4			
BIDDING ASSISTANCE	0	0	0				0		0	0			
BID OPENING	0	0							0	0			
BID TABULATION		0							0	0			
RECOMMENDATION OF AWARD	0									0			
SITE VISIT		14			14					28			
SHOP DRAWING REVIEW		8								8			
PREPARE AS-BUILT PLANS	0				0		0			0			
REQUEST FOR INFORMATION	2				2					4			
										0			
										0			
										0			
TOTAL (200)										0			
HOURS SUB-TOTALS	3	26	0	0	16	0	0	0	3	48	0		
LABOR RATE PER HOUR	\$209.30	\$177.10	\$144.90	\$144.90	\$93.38	\$103.04	\$83.72	\$119.14	\$57.96				
DIRECT LABOR COSTS	627.90	4,604.60	0.00	0.00	1,494.08	0.00	0.00	0.00	173.88	6,900.46			
ENGINEER TOTAL LABOR HOURS	9	69	10	26	79	68	55	0	6	322			
ENGINEER TOTAL LABOR COSTS	\$1,883.70	\$12,219.90	\$1,449.00	\$3,767.40	\$7,377.02	\$7,006.72	\$4,604.60	\$0.00	\$347.76	\$38,656.10			
DIRECT EXPENSES													
		Quantity	Unit	Cost	Total								
SURVEY		1	EA	8,305.00	\$8,305.00								
GEOTECH		1	EA	5,490.00	\$5,490.00								
MILEAGE			Miles	\$0.585	\$0.00								
PER DIEM			Day(S)	\$36.00	\$0.00								
HOTEL			Day(S)	\$85.00	\$0.00								
AIRFARE			Trip(S)	\$250.00	\$0.00								
CAR RENTAL			Day(S)	\$60.00	\$0.00								
PRINTING AND REPRODUCTION													
MYLAR PLOTS (11" X 17")			Each	\$3.00	\$0.00								
CADD PLOTS			Sq Ft	\$1.25	\$0.00								
DIGITAL ORTHO PLOTTING			Sq Ft	\$2.50	\$0.00								
COPIES (8 1/2" X 11")			Each	\$0.15	\$0.00								
COPIES (11" X 17")			Each	\$0.20	\$0.00								
MISCELLANEOUS EXPENSES			Lump Sum		\$0.00								
PRELIMINARY SUBMITTAL			Sheet	\$0.20	\$0.00								
100% SUBMITTAL			Sheet	\$0.20	\$0.00								
OVERNIGHT DELIVERY SERVICES			Package(s)	\$20.00	\$0.00								
TOTAL DIRECT EXPENSES					\$13,795.00								
County Road 419											(TOTAL LABOR, CADD & DIRECT EXPENSE)		\$52,451.10