

Client: Collin County, Texas
Project: County Road 5 - Frontier Parkway Improvements
 Dallas North Tollway to State Highway 5 (Collin County Schematic)
 Engineering Fee Proposal (Hourly Rates)

MAN-HOUR ESTIMATE

Optional Services

Phase	Description	Rate/Hour	Multiplier	Hours	Cost
1	Traffic Warrant Study (One Intersection)				
	Traffic Engineer Sub-consultant				\$5,000.00
	Project Manager Coordination	\$99.02	2.35	2	\$465.39
	Printing & Postage Expense	\$35.00	1.0		\$35.00
	Total Traffic Warrant Study				\$5,500.00
2	Street Lighting Design	Rate/Hour	Multiplier	Hours	Cost
	Electrical Engineer Sub-consultant				\$40,000.00
	Project Manager Coordination	\$99.02	2.35	16	\$3,723.15
	Senior AutoCAD Technician Coordination	\$62.36	2.35	8	\$1,172.37
	Clerical Coordination	\$48.32	2.35	8	\$908.42
	Printing Expense	\$175.00	1.0		\$175.00
	Postage Expense	\$21.00	1.0		\$21.00
	Total Street Lighting Design				\$46,000.00
3	Full Irrigation Design Plans & Specifications	Rate/Hour	Multiplier	Hours	Cost
	Irrigation Sub-consultant				\$43,500.00
	Project Manager (Coordinate & Review)	\$99.02	2.35	16	\$3,723.15
	Senior AutoCAD Technician Coordination	\$62.36	2.35	12	\$1,758.55
	Clerical Coordination	\$48.32	2.35	7	\$794.86
	Printing Expense	\$198.00	1.0		\$198.00
	Postage Expense	\$25.00	1.0		\$25.00
	Total Full Irrigation Design Plans & Specs.				\$50,000.00
3a	Irrigation and Lighting Conduits Only	Rate/Hour	Multiplier	Hours	Cost
	Project Manager	\$99.02	2.35	4	\$930.79
	Design Engineer	\$63.75	2.35	4	\$599.25
	Engineer in Training	\$41.29	2.35	2	\$194.06
	Senior AutoCAD Technician	\$62.36	2.35	12	\$1,758.55
	AutoCAD Technician	\$51.58	2.35	12	\$1,454.56
	Clerical	\$48.32	2.35	0	\$0.00
	Printing Expense	\$63.00	1.0		\$63.00
	Total ROW, Plats & Field Notes				\$5,000.00
4	Sidewalks & Barrier Free Ramps	Rate/Hour	Multiplier	Hours	Cost
	Project Manager	\$99.02	2.35	40	\$9,307.88
	Design Engineer	\$63.75	2.35	40	\$5,992.50
	Engineer in Training	\$41.29	2.35	20	\$1,940.63
	Senior AutoCAD Technician	\$62.36	2.35	80	\$11,723.68
	AutoCAD Technician	\$51.58	2.35	80	\$9,697.04
	Clerical	\$48.32	2.35	8	\$908.42
	TDLR Fee	\$2,085.00	1.0		\$2,085.00
	Printing Expense	\$240.00	1.0		\$240.00
	Postage & Delivery Expense	\$105.00	1.0		\$105.00
	Total Sidewalks & Barrier Free Ramps				\$42,000.00

TOTAL OPTIONAL SERVICES BUDGET AMOUNT (All Included Except 3a)

\$143,500.00

TOTAL OPTIONAL SERVICES BUDGET AMOUNT (Warrant Study, Conduits & Sidewalks Only)

\$52,500.00

Totals are rounded to Nearest Whole \$ for each Phase