

COLLIN COUNTY
Park Boulevard Extension
PROJECT #????

	Labor Category	Project Mgr.	Principal	Sr. Civil Eng.	Civil Eng.	Civil EIT	Civil CADD	Sr. Struct. Eng.	Struct. Eng.	Struct. CADD / GIS	Sr. Env. Scientist/ Landscape Architect	Env. Scientist/ Landscape Architect	Survey RPLS	Survey SIT / Inspector	Survey Crew 2- Man	Clerical	SUE Crew	SUE Coordinator	hrs /sheet									
Collin County																												
Park Boulevard Extension	Team Member	All	All	All	All	All	All	All	All	All	All	All	All	All	All	All	All	All	All		All	All	Print	Plot	Deliv./Travel	All	All	Remarks
DRAFT fee proposal - October 25, 2018	Hourly Billing Rate	\$234.00	\$262.00	\$221.00	\$175.00	\$126.00	\$99.00	\$245.00	\$194.00	\$114.00	\$186.00	\$137.00	\$191.00	\$112.00	\$160.00	\$82.00	\$175.00	\$149.00		Total Manhour	Total Labor \$	\$0.50	\$2.00	Misc.	Total Expense \$	Total \$		
PHASE IV - FULL PROJECT ROW & CONSTRUCTION DOCUMENTS (WITHOUT CONSTRUCTION ADMINISTRATION)																												
Task Description	Scope Reference	Plan Sheets																										
1.0 PROJECT MANAGEMENT / COORDINATION																												
1.1 quarterly project status meetings and monthly reports	-	36			12	6	6									12				72	\$12,858	200		\$500	\$600	\$13,458		
1.2 design coordination meetings (8)	-	32	4	24	12		12	8	4							24				120	\$21,832	100	20	\$500	\$590	\$22,422		
1.3 utility relocation coordination and misc exhibits	-	16		12	8	24	40									16		80		196	\$28,012	200	50	\$200	\$400	\$28,412		
1.4 KCS coordination and meetings (4)	-	32		16	8		24	16	8							24				128	\$22,240	200	50	\$200	\$400	\$22,640		
1.4 Section 404 permit - PCN only		2			4	8				16	8	32				24				94	\$11,840	100	5	\$200	\$260	\$12,100		
1.5 NCTCOG Environmental Checklist		4								2	32	64		1		8				111	\$16,652	100		\$200	\$250	\$16,902		
1.6 TDLR submittal and review	-	2		8	16		8									4				38	\$6,156	2000		\$2,583	\$3,583	\$9,739	Misc costs include TDLR review fee	
2.0 DATA COLLECTION & SUE																												
2.1 collection and analysis of exist plans/record drwgs	-			2	4	8										4				18	\$2,478	500	50	\$200	\$550	\$3,028		
2.2 review City standards and prepare design criteria	-	2			4			2	4											12	\$2,434	100		\$50		\$2,484		
2.3 SUE locating (20 holes) <10' depth	-			2	8	12	24							4	8	4	24	24		110	\$15,562	200		\$27,000	\$27,100	\$42,662	Misc. costs include VAC truck and supplies	
2.4 SUE designating and mapping	-			2	8	32	64						2	16	40	4	96	48		312	\$45,064	500	100	\$200	\$650	\$45,714		
3.0 SURVEY / ROW																												
3.1 prepare and obtain ROE documents	-	4			8	24	8						4	8		24				80	\$9,780	200	20	\$200	\$340	\$10,120		
3.2 verify City benchmarks and survey controls	-				4								1	2						7	\$1,115	100		\$100	\$150	\$1,265		
3.3 topography and surface features - survey for design	-			8	16	32	64						4	40	160					324	\$45,780	200	20	\$400	\$540	\$46,320		
3.4 tie/stake ROW and easements	-					8							40	80	200					328	\$49,608	100	10	\$100	\$170	\$49,778		
3.5 boundary solutions, legal descriptions and exhibits	-	8		4	8	16	360						64	160		40				660	\$75,236	200	20	\$400	\$540	\$75,776		
3.6 geotechnical staking and ties	-				2	8	4							4	8					26	\$3,482	100		\$100	\$150	\$3,632		
4.0 GEOTECHNICAL																												
4.1 field work	-																				\$48,000					\$48,000	Total costs include PSI geotech fee	
4.2 lab and office work	-																				\$62,000					\$62,000	Total costs include PSI geotech fee	
4.3 admin/coordination		4		4	8	16														32	\$5,236	50	5	\$100	\$135	\$5,371		
5.0 ENGINEERING DESIGN / PLAN SET																												
5.1 General																												
a. title sheets		2		2	4		8													7	14	\$1,934	20	4		\$18	\$1,952	
b. sheet index		2			4	8	8		4											12	24	\$3,276	20	4		\$18	\$3,294	
c. project layout / survey control	15			8	16	32	24						8	16						6,9333	104	\$14,296	150	30	\$135	\$14,431		
d. general notes	2	2		4	2		4	4	2											9	18	\$3,466	20	4		\$18	\$3,484	
e. estimated quantity	2			4	8	24	16													26	52	\$6,892	20	4		\$18	\$6,910	
5.2 Roadway																												
a. typical sections	5	2		4	6	12	16													8	40	\$5,498	50	10		\$45	\$5,543	
b. removal/adjustment plan	24				24	72	96													8	192	\$22,776	240	48		\$216	\$22,992	
c. paving plan / profile	44	12	4	48	96	192	128													10,909	480	\$68,128	440	88		\$396	\$68,524	
d. roadway grading plan	24	8		24	72	120	144													15,333	368	\$49,152	240	48		\$216	\$49,368	
e. pavement misc. details	4	8		16	40	24	40													32	128	\$19,392	40	8		\$36	\$19,428	
f. street intersection layout	4	4		8	16	64	32													31	124	\$16,736	40	8		\$36	\$16,772	
g. Parker intersection study/memo	4	16	2	24	40	64	40									4				47.5	190	\$28,924	40	8		\$36	\$28,960	
5.3 Drainage																												
a. offsite drainage area map	2	4	1	4	8	16	8													20.5	41	\$6,290	20	4		\$18	\$6,308	
b. roadway drainage area map	10	2		4	8	20	16													5	50	\$6,856	100	20		\$90	\$6,946	
c. runoff, inlet and storm drain computations	8	4	1	4	8	20	12													6.125	49	\$7,190	80	16		\$72	\$7,262	
d. culvert hydrologic / hydraulic data	2	2																										

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PHASE IV - FULL PROJECT ROW & CONSTRUCTION DOCUMENTS (WITHOUT CONSTRUCTION ADMINISTRATION)																												
Task Description	Scope Reference	Plan Sheets																										
b. misc sign details		2			8	16	24													24	48	\$5,792	20	4		\$18	\$5,810	
5.8 Traffic Signals			2	12	24	8										8					54	\$8,768			\$1,170	\$1,170	\$9,938	Misc. costs include traffic count data
a. signal warrant study		2			8	16	8													16	32	\$4,208	20	4		\$18	\$4,226	
b. signal notes and item summary		4	2	8	16	40	32													24.5	98	\$13,244	40	8		\$36	\$13,280	
c. proposed traffic signal layout		1		4	16		8													28	28	\$4,476	10	2		\$9	\$4,485	
d. signal phase / circuit design		2		2	16	8	16													21	42	\$5,834	20	4		\$18	\$5,852	
e. intersection signing and striping		10		4	16	24	16													6	60	\$8,292	100	20		\$90	\$8,382	
f. misc signal details																												
5.9 Illumination		2	2					2	8	16										14	28	\$4,334	20	4		\$18	\$4,352	
a. lighting notes and fixture details		22	4		16	36		8	36	48										6.7273	148	\$22,688	220	44		\$198	\$22,886	
b. illumination layout		4	2		8			4	16	32										15.5	62	\$9,600	40	8		\$36	\$9,636	
c. power supply details																												
5.10 Lake Volume Mitigation Grading Plan		2		2	8	12	8													15	30	\$4,146	20	4		\$18	\$4,164	
a. access and haul route plan		4		4	16	8	12													10	40	\$5,880	40	8		\$36	\$5,916	
b. grading plan		4		2	8	12	16													9.5	38	\$4,938	40	8		\$36	\$4,974	
c. SWPPP																												
5.11 Standard Drawings		80	2	4	6	12	16	8	12	16										0.95	76	\$11,610	40			\$20	\$11,630	
a. select, review and modify appropriate standards																												
5.12 Earthwork Cross Sections		2			8	16	8													16	32	\$4,208	20	4		\$18	\$4,226	
a. summary sheets		60	12	18	60	120	60													4.5	270	\$38,346	30	600		\$1,215	\$39,561	
b. XS sheets					16	8															24	\$3,808					\$3,808	
c. produce / check DTM point file data																												
5.13 Prairie Grass Restoration Plans		8	4	2	8	16	24				32	64								18.75	150	\$21,890	30	80		\$175	\$22,065	
8.0 SPECIFICATIONS																												
8.1 Review master notes list and submit draft		8		4	8			2													22	\$4,646	200			\$100	\$4,746	
8.2 Review standard specifications		8		4	8																20	\$4,156	100			\$50	\$4,206	
8.3 Review std. special specs. / special provisions		4		2	4			4													14	\$3,058	100			\$50	\$3,108	
8.4 Prepare special specifications / provisions		4	2	8	16			8	16		4	8				8					74	\$13,588	200			\$100	\$13,688	
8.5 Prepare bid document / prepare bid item list		8		4	24	16	4	2	4		2	4				24					92	\$13,522	2000			\$1,000	\$14,522	
9.0 ESTIMATES																												
9.1 unit price data collection					4																4	\$700	50			\$25	\$725	
9.2 30% quantity takeoff and prepare estimate		8		4	8	16		4			2	8									50	\$8,620	100			\$50	\$8,670	
9.3 60% quantity takeoff and prepare estimate		4		2	8	16		4			2	4									40	\$6,694	100			\$50	\$6,744	
9.4 90% quantity takeoff and prepare estimate		2		2	8	16		2			2	4									36	\$5,736	100			\$50	\$5,786	
9.5 100% quantity takeoff and prepare estimate		2		2	8	16		2			2	4									36	\$5,736	100			\$50	\$5,786	
10.0 CONSTRUCTION PHASE																												
10.1 Pre-Construction Conference																												
10.2 Shop Drawings and Submittals																												
10.3 RFI's and Change Order Requests																												
10.4 Record Plan Set																												
10.5 Construction Inspection																												
Subtotal Summary																												
1.0 PROJECT MANAGEMENT / COORDINATION		124	4	60	60	38	90	24	12	18	40	96		1		112		80		759	\$119,590	2900	125	\$4,383	\$6,083	\$125,673		
2.0 DATA COLLECTION & SUE		2		6	24	52	88	2	4				2	20	48	12	120	72		452	\$65,538	1300	150	\$27,400	\$28,350	\$93,888		
4.0 SURVEY / ROW		12		12	38	88	436						113	294	368	64				1425	\$185,001	900	70	\$1,300	\$1,890	\$186,891		
5.0 GEOTECHNICAL		4		4	8	16														32	\$115,236	50	5	\$100	\$135	\$115,371		
7.0 ENGINEERING DESIGN / PLAN SET	562	134	14	380	1014	1676	1666	234	986	1302	64	128	8	16		16				7638	\$1,103,678	4240	1564	\$1,270	\$6,518	\$1,110,196		
8.0 SPECIFICATIONS		32	2	22	60	16	4	16	20		6	12				32				222	\$38,970	2600			\$1,300	\$40,270		
9.0 ESTIMATES		16		10	36	64		12			8	20								166	\$27,486	450			\$225	\$27,711		
10.0 CONSTRUCTION PHASE																												
TOTAL		562	324	20	494	1240	1950	2284	288	1022	1320	118	256	123	331	416	236	120	152		10694	\$1,655,499	12440	1914	\$34,453	\$44,501	\$1,700,000	