

Lake Lavon Bridge Route Study - From FM 1378 to SH 78
Collin County
March 5, 2009

	Project Manager \$198	Deputy Project Manager \$149	GIS Manager \$149	Environmental Manager \$186	Environmental Planner \$77.00	Environmental Scientist \$103	Engineer/ Planner \$97.00	PI Manager \$144.00	Sr. PI Rep. \$112.00	Graphic Designer \$82.00	Clerical \$66	Total
I. Project Management												
A. General Mgmt/Administration												
1. Coordinate and Attend Meetings (6) with various agencies	24	24	8	8		12	24				30	130
2. Prepare and update project schedule	3	14										17
3. QA/QC	6	12										18
B. Kickoff Meeting												
1. Preparation		2					2					4
2. Facilitate/Attend	4	4	4	4		4	4					24
3. Prepare Meeting Minutes		3									1	4
C. Project Team Mtg with Collin Co (6)												
1. Preparation	12	6					12				6	36
2. Facilitate/Attend	24	24	8	8		24	24					112
3. Prepare Meeting Minutes	6	18									6	30
II. Data Assembly and Review/Develop Constraints Map												
A. Map Information												
1. GIS Data Gathering and Coding		2	8		40	60						110
2. GIS Data Manipulation		2	42		40	80						164
3. GIS Data Deliverable		4	20	2		15						41
B. Evaluate Data and Preliminary Field Investigation												
1. Evaluate Existing Data		2	4	12	40	60						118
2. Conduct Field Reconnaissance As Needed			4	8	40	40						92
3. Documentation and Analysis of Collected Data		4	8	12	40	60						124
C. Prepare Constraints Map	4	8	12	8		72						104
III. Define Design and Evaluation Criteria												
A. Establish Design and Evaluation Criteria/Define Major Issues	2	8				24						34
B. Establish Technical Methodology Plan	2	8		4		24						38
IV. Alignment Studies												
A. Alternative Alignments												
1a. Develop horizontal alternative alignments (up to 8)	14	40	8			8	128					198
1b. Develop GIS Exhibits depicting alternative alignments (up to 8)	8	24	20	10		104	40					206
2a. Develop profiles of alternative alignments (up to 2)	5	6					40					51
2b. Develop plan/profile roll plots of alternative alignments (up to 2)		6					48					54
3a. Develop quantitative cost estimates (up to 2)	2	3					24					29
3b. Develop detailed preliminary cost estimate of approved alignment	1	2					10					13
B. Analyze Impacts												
1. Environmental/Add Field Data				24	80	120						224
2. ROW Assessment	2	8	12			24	34					80
3. Evaluate access and feasibility	3	6					36					45
4. Evaluate impacts to existing major utilities	3	6					36					45
5. Develop preliminary ROW and utility relocation costs	3	6	4				36					49
C. Evaluation Matrix and Route Study Report												
1. Develop evaluation matrix analyzing each alternative			4	10		30	50					94
2. Prepare draft Route Study Report	8	40	12	12		30	50					152
3. Incorporate revisions into final Route Study Report	2	4		4		10	8					28
V. ROE												
A. Prepare ROE Letters (up to 20)	2	8				30	12					52
VI. Public Involvement												
A. Public Meetings (2)												
1. Preparation for meeting logistics		8			8	8		2	16		30	72
2. Prepare meeting materials (postcards, exhibit boards, comment/speaker cards, sign-in sheets, PPT, etc.) (2)	6	24			12	12		24	60	80	40	258
3. Facilitate/attend meeting/take notes at meeting (2)	4	8			8				16			36
4. Develop and maintain project database		2	4					4	20		80	110
5. Compile and analyze comments		12										12
6. Prepare meeting summary report		8						4	8		24	44
7. Web site and information coordination with the county		4							4			8
B. Public Hearing (1)												
1. Hearing preparation/PPT development	6	24							4	16		50
2. Attendance	4	4										8
Total Hours	160	398	182	126	308	851	618	34	128	96	217	3118
Direct Labor	\$31,680.00	\$59,302.00	\$27,118.00	\$23,436.00	\$23,716.00	\$87,653.00	\$59,946.00	\$4,896.00	\$14,336.00	\$7,872.00	\$14,322.00	\$354,277.00

Total Labor	\$354,277.00
Expenses	\$12,710.00
TOTAL FEE	\$366,987.00

Expenses	Quantity	Unit	Unit Cost	Total
Travel	1200	mi	\$0.550	\$660.00
8.5 x11 (B/W)	900	EA	\$0.07	\$63.00
11x17 (B/W)	900	EA	\$0.14	\$126.00
8.5x11 (Color)	600	EA	\$0.78	\$468.00
11x17 (Color)	400	EA	\$1.55	\$620.00
Color Plotting	1060	SF	\$1.70	\$1,802.00
Postcards	2000	EA	\$0.50	\$1,000.00
PM/PH Exhibits	6	EA	\$133.00	\$798.00
Facility Rental	2	EA	\$1,000.00	\$2,000.00
ROE Letters	40	EA	\$0.45	\$18.00
Postage	2000	EA	\$0.42	\$840.00
Order Oil/Gas Data	1	EA	\$800.00	\$800.00
Archeology Study (Geo-Marine Inc.)	1	EA	\$3,515.00	\$3,515.00
Total Expenses				\$12,710.00