

**PROJECT FEE ESTIMATING SHEET**

Fee to Replace Downstream End of Pipe  
Lee's Summit, MO

Tasks	Eng. VII	Eng. V	Eng. III	Eng. Tech IV	Surv. VII	Surv. Tech VII	Admin. III	Labor Costs	Other Direct Costs		Total Fee	Subtotal Fee	
	Item	Cost	Item	Cost	Item	Cost	Item	Cost	Item	Cost	Item	Cost	
<b>1 PROPERTY SURVEYS AND LEGAL DESCRIPTIONS</b>													<b>\$4,638.00</b>
1.1 Field locate property pins and section corner to establish property lines and existing easements.	1				2	8		\$1,402.00	Mileage, Survey Equip	\$300.00	\$1,702.00		
1.2 Office calculations to draw property lines and existing easements.					8	4		\$1,700.00	CADD and Prints	\$20.00	\$1,720.00		
1.3 Develop legal descriptions and exhibits for proposed easements.	1				2	6		\$1,176.00	CADD and Prints	\$40.00	\$1,216.00		
<b>2 EVALUATE AND DESIGN DOWNSTREAM SECTION</b>													<b>\$15,181.00</b>
2.1 Coordinate with City and Contractor to evaluate the potential costs for replacing the downstream segment with a box culvert. Develop quantities for reconstruction.	4		2					\$1,016.00		\$0.00	\$1,016.00		
2.2 Evaluate future hydraulics and geometry of future box culvert and develop method for transitioning from CMPs to box culvert.	1	2	8	8				\$2,360.00	CADD and Prints	\$66.00	\$2,426.00		
2.3 Create plans to assist contractor in box culvert construction. Assumes that MoDOT standard box culvert size is used. Plans to include:								\$0.00	CADD and Prints	\$10.00	\$10.00		
2.3.1 Plan/Profile Sheet	1	1	1	12				\$1,633.00	CADD and Prints	\$94.00	\$1,727.00		
2.3.2 Box culvert layout sheet showing key dimensions of box culvert.	1	4		12				\$1,974.00	CADD and Prints	\$94.00	\$2,068.00		
2.3.4 Details for junction between CMPs and box culvert.	1	12		16				\$3,630.00	CADD and Prints	\$122.00	\$3,752.00		
2.3.3 Typical Section of box culvert showing reinforcement	1	6		12				\$2,292.00	CADD and Prints	\$94.00	\$2,386.00		
2.4 Submit plans to City and Contractor. Includes one set of plan revisions based on City comments.	2	2	2	8				\$1,730.00	CADD and Prints	\$66.00	\$1,796.00		
<b>3 PROJECT MANAGEMENT AND COORDINATION</b>													<b>\$2,396.00</b>
3.1 No additional meetings are included in this scope of services.													
3.2 Administration and Coordination													
3.2.1 Answer questions and assist contractor in interpretation of plans. Assumes 4 phone calls.	4	2						\$1,062.00		\$0.00	\$1,062.00		
3.2.2 General communication with City during design of new structure.	4	2	2					\$1,334.00		\$0.00	\$1,334.00		
<b>TOTALS</b>	21	31	15	68	12	18	0	\$21,309.00		\$906.00	\$22,215.00		
<b>Grand Total</b>											<b>\$22,215.00</b>		