



Fee Schedule & Resource Allocation

Town of Palmer Lake

Spruce Mountain Road Project

TASKS	WORK ITEM	JR Engineering						Sub-Consultant	Direct Expense	Totals
		Principal	Manager / Group Lead	Project Lead	Project Engineer / Surveyor	Engineer / Surveyor	Two-Man Field Survey			
		\$250	\$200	\$175	\$155	\$140	\$190	L.S.	L.S.	
100	<u>Project Initiation, Data Collection, and Management</u>									
	Kick-Off Meeting / Field Investigations		4.0	4.0						\$1,500
	Boundary and Right-of-way Research and Survey		4.0	12.0	16.0		10.0			\$7,280
	Topographic, Design, and Utility Survey						48.0			\$9,120
	Prepare Base Files		4.0	4.0	16.0					\$3,980
	Utility Research (OL D)		4.0	4.0						\$1,500
	Utility OL B Locates		2.0	16.0						\$3,200
	Prepare Utility Base Files		2.0	2.0	4.0					\$1,370
	Project Meetings (assume 8 meetings)		16.0	16.0						\$6,000
	Utility Coordination		32.0							\$6,400
	Project Coordination		40.0							\$8,000
	Subtotal									\$48,350
200	<u>Conceptual and Preliminary Design Phase</u>									
	Geotechnical Analysis and Report		4.0					\$16,500		\$17,300
	Environmental Research and Analysis		4.0					\$24,750		\$25,550
	Intersection Conceptual Design		4.0	6.0	8.0	8.0				\$4,210
	Preliminary Design, Plans, and Index of Specifications		12.0	16.0	24.0	30.0				\$13,120
	Preliminary SUE Plans		8.0	8.0	12.0	12.0				\$6,540
	Preliminary Cost Estimate		4.0	4.0	4.0					\$2,120
	FIR Meeting		4.0	4.0						\$1,500
	Preliminary ROW Plans		10.0	16.0	20.0					\$7,900
	ROWPR Meeting		4.0	4.0						\$1,500
	Subtotal									\$79,740
300	<u>Stormwater Drainage Design</u>									
	Hydrologic Calculations - Road Widening		2.0	3.0	4.0	6.0				\$2,385
	Prepare Drainage Maps		2.0	3.0	4.0	10.0				\$2,945
	Prepare Culvert Hydraulic Analysis		2.0	2.0	6.0	4.0				\$2,240
	Preliminary Drainage Memo		2.0	2.0	6.0	8.0				\$2,800
	Prepare Culvert Plans and Details		3.0	4.0	12.0	16.0				\$5,400
	Prepare Culvert Wall Plans and Details		3.0	4.0	8.0	8.0				\$3,660
	Prepare Final Drainage Report		4.0	8.0	14.0	20.0				\$7,170
	Subtotal									\$26,600
400	<u>FEMA CLOMR</u>									
	FEMA Data Request								\$400	\$400
	Prepare Carpenter Creek Hydraulic Models (CLOMR)		6.0	20.0	16.0	8.0				\$8,300
	Prepare Carpenter Creek Floodway Encroachment Hydraulic Model		3.0	10.0		8.0				\$3,470
	Prepare Drainage Work Map		4.0	6.0	8.0	16.0				\$5,330
	Prepare Annotated FIRM and Flood Profiles		3.0	6.0	4.0	14.0				\$4,230
	Prepare MT-2 Forms		1.0	2.0	2.0	2.0				\$1,140
	Prepare Carpenter Creek CLOMR Report		6.0	8.0	16.0	12.0				\$6,760
	Prepare Draft Property Owner Notifications		2.0	2.0		6.0				\$1,590
	Prepare ESA Compliance			2.0	4.0					\$970
	Address FEMA/CWCB Additional Data Requests		8.0	12.0	12.0	16.0				\$7,800
	FEMA LOMC Application Fee (Online LOMC)								\$6,500	\$6,500
	Subtotal									\$46,490
500	<u>Final Design Phase and Construction Documents</u>									
	Update Plans for Final Design		6.0	12.0	24.0	40.0				\$12,620
	Project Specifications		2.0	2.0	4.0	12.0				\$3,050
	Final Cost Estimate		2.0	2.0		4.0				\$1,310
	CDOT Clearances/Permitting		6.0					\$4,750		\$5,950
	SUE Plans		4.0	4.0	8.0					\$2,740
	Right-of-way Plans		6.0	8.0	8.0					\$3,840
	Legal Descriptions and Exhibits (assume 3)		4.0	4.0	8.0					\$2,740
	FOR Meeting		4.0	4.0						\$1,500
	Finalize Plans and Documents for Bidding		4.0	4.0	8.0	16.0				\$4,980
	Subtotal									\$38,730
600	<u>Bidding Phase</u>									
	Attend Pre-bid Meeting and Site Walk Through		4.0	4.0						\$1,500
	Respond to Bidder's Questions, and Prepare Addenda		2.0	4.0	4.0					\$1,720
	Meeting to Review Bids and Provide Recommendation		4.0	2.0						\$1,150
	Subtotal									\$4,370
	Total:		261	260	284	276	58	\$46,000	\$6,900	\$244,280