



**JR Engineering, LLC**  
 7200 South Alton Way, Suite C400  
 Centennial, CO 80112  
 303-740-9393

Town of Palmer Lake  
 Dawn Collins  
 dawn@palmer-lake.org

Invoice number 86072  
 Date 01/31/2025

Project 2000-5324.00 Spruce Mountain Roadway  
 Improvements

For Professional Services through January 31,2025

**100 Project Initiation, Data Collection & Management**

**101 Kick-Off Meetings/Field Investigations**

Professional Personnel

	Hours	Rate	Billed Amount
Manager	6.00	200.00	1,200.00
Project Lead Engineer	2.50	175.00	437.50
Project Lead Surveyor	1.00	175.00	175.00
Phase subtotal			1,812.50

**102 Boundary & Right-of-Way Research & Survey**

Professional Personnel

	Hours	Rate	Billed Amount
Survey Crew (1 Person)	9.50	140.00	1,330.00
Survey Crew (2nd person)	9.50	50.00	475.00
Project Lead Surveyor	1.00	175.00	175.00
Project Surveyor	3.00	155.00	465.00
Reimbursable Expenses			

Maps & Plans

	Billed Amount
Maps & Plans	14.26
Phase subtotal	2,459.26

**103 Topographic, Design & Utility Survey**

Professional Personnel

	Hours	Rate	Billed Amount
Survey Crew (1 Person)	19.50	140.00	2,730.00
Survey Crew (2nd person)	19.50	50.00	975.00
Project Surveyor	3.00	155.00	465.00
Phase subtotal			4,170.00

**104 Prepare Base Files**

Professional Personnel

	Hours	Rate	Billed Amount
Project Lead Surveyor	12.50	175.00	2,187.50
Project Surveyor	4.00	155.00	620.00
Phase subtotal			2,807.50

**100 Project Initiation, Data Collection & Management**

**105 Utility Research (QL D)**

Professional Personnel

	Hours	Rate	Billed Amount
SUE Locating Crew (1 Person)	8.00	165.00	1,320.00

**106 Utility QL B Locates**

Professional Personnel

	Hours	Rate	Billed Amount
SUE Locating Crew (1 Person)	19.00	165.00	3,135.00

**110 Project Coordination**

Professional Personnel

	Hours	Rate	Billed Amount
Manager	2.25	200.00	450.00
Project Engineer	1.00	155.00	155.00

Phase subtotal 605.00

Project Initiation, Data Collection & Management subtotal 16,309.26

**400 FEMA CLOMR**

**401 FEMA Data Request**

Professional Personnel

	Hours	Rate	Billed Amount
Project Lead Engineer	1.00	175.00	175.00

FEMA CLOMR subtotal 175.00

Invoice total 16,484.26

**Billing Summary**

Description	Contract Amount	Total Billed	Remaining	Current Billed
<b>100 Project Initiation, Data Collection &amp; Management</b>				
101 Kick-Off Meetings/Field Investigations	1,500.00	1,812.50	-312.50	1,812.50
102 Boundary & Right-of-Way Research & Survey	7,280.00	2,459.26	4,820.74	2,459.26
103 Topographic, Design & Utility Survey	9,120.00	4,170.00	4,950.00	4,170.00
104 Prepare Base Files	3,980.00	2,807.50	1,172.50	2,807.50
105 Utility Research (QL D)	1,500.00	1,320.00	180.00	1,320.00
106 Utility QL B Locates	3,200.00	3,135.00	65.00	3,135.00
107 Prepare Utility Base Files	1,370.00	0.00	1,370.00	0.00
108 Project Meetings	6,000.00	0.00	6,000.00	0.00
109 Utility Coordination	6,400.00	0.00	6,400.00	0.00
110 Project Coordination	8,000.00	605.00	7,395.00	605.00
Subtotal	48,350.00	16,309.26	32,040.74	16,309.26
<b>200 Conceptual &amp; Preliminary Design Phase</b>				
201 Geotechnical Analysis & Report	17,300.00	0.00	17,300.00	0.00
202 Environmental Research & Analysis	25,550.00	0.00	25,550.00	0.00
203 Intersection Conceptual Design	4,210.00	0.00	4,210.00	0.00
204 Preliminary Design, Plans & Index of Specifications	13,120.00	0.00	13,120.00	0.00

**Billing Summary**

Description	Contract Amount	Total Billed	Remaining	Current Billed
<b>200 Conceptual &amp; Preliminary Design Phase</b>				
205 Preliminary SUE Plans	6,540.00	0.00	6,540.00	0.00
206 Preliminary Cost Estimate	2,120.00	0.00	2,120.00	0.00
207 FIR Meeting	1,500.00	0.00	1,500.00	0.00
208 Preliminary ROW Plans	7,900.00	0.00	7,900.00	0.00
209 ROWPR Meeting	1,500.00	0.00	1,500.00	0.00
Subtotal	79,740.00	0.00	79,740.00	0.00
<b>300 Stormwater Drainage Design</b>				
301 Hydrologic Calculations - Road Widening	2,385.00	0.00	2,385.00	0.00
302 Prepare Drainage Maps	2,945.00	0.00	2,945.00	0.00
303 Prepare Culvert Hydraulic Analysis	2,240.00	0.00	2,240.00	0.00
304 Preliminary Drainage Memo	2,800.00	0.00	2,800.00	0.00
305 Prepare Culvert Plans & Details	5,400.00	0.00	5,400.00	0.00
306 Prepare Culvert Wall Plans & Details	3,660.00	0.00	3,660.00	0.00
307 Prepare Final Drainage Report	7,170.00	0.00	7,170.00	0.00
Subtotal	26,600.00	0.00	26,600.00	0.00
<b>400 FEMA CLOMR</b>				
401 FEMA Data Request	400.00	175.00	225.00	175.00
402 Prepare Carpenter Creek Hydraulic Models (CLOMR)	8,300.00	0.00	8,300.00	0.00
403 Prepare Carpenter Creek Floodway Encroachment Hydraulic Model	3,470.00	0.00	3,470.00	0.00
404 Prepare Drainage Work Map	5,330.00	0.00	5,330.00	0.00
405 Prepare Annotated FIRM & Flood Profiles	4,230.00	0.00	4,230.00	0.00
406 Prepare MT-2 Forms	1,140.00	0.00	1,140.00	0.00
407 Prepare Carpenter Creek CLOMR Report	6,760.00	0.00	6,760.00	0.00
408 Prepare Draft Property Owner Notifications	1,590.00	0.00	1,590.00	0.00
409 Prepare ESA Compliance	970.00	0.00	970.00	0.00
410 Address FEMA/CWCB Additional Data Requests	7,800.00	0.00	7,800.00	0.00
411 FEMA LOMC Application Fee (Online LOMC)	6,500.00	0.00	6,500.00	0.00
Subtotal	46,490.00	175.00	46,315.00	175.00
<b>500 Final Design Phase &amp; Construction Documents</b>				
501 Update Plans for Final Design	12,620.00	0.00	12,620.00	0.00
502 Project Specifications	3,050.00	0.00	3,050.00	0.00
503 Final Cost Estimate	1,310.00	0.00	1,310.00	0.00
504 CDOT Clearances/Permitting	5,950.00	0.00	5,950.00	0.00
505 SUE Plans	2,740.00	0.00	2,740.00	0.00
506 Right-of-Way Plans	3,840.00	0.00	3,840.00	0.00
507 Legal Descriptions & Exhibits	2,740.00	0.00	2,740.00	0.00
508 FOR Meeting	1,500.00	0.00	1,500.00	0.00
509 Finalize Plans & Documents for Bidding	4,980.00	0.00	4,980.00	0.00
Subtotal	38,730.00	0.00	38,730.00	0.00
<b>600 Bidding Phase</b>				
601 Attend Pre-Bid Meeting & Site Walk Through	1,500.00	0.00	1,500.00	0.00
602 Respond to Bidder's Questions & Prepare Addenda	1,720.00	0.00	1,720.00	0.00
603 Meeting to Review Bids & Provide Recommendation	1,150.00	0.00	1,150.00	0.00
Subtotal	4,370.00	0.00	4,370.00	0.00
Total	244,280.00	16,484.26	227,795.74	16,484.26

Spruce Mtn Road  
 REIMB

10-51-6000-014

CB.  
